

# 2014



  
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## Full Product Catalog

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Item ID: TitanFlex (See page 145)

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## A Note from Tom Campbell, CEO

In 2014, Packard reintroduces our full line catalog. We realize in order to fulfill our brand promise of *supplying HVACR solutions with your needs in mind*, we need to give our wholesale customers access to our complete product offering at all times.

Our printed catalog also now aligns much more seamlessly with Packard Online - our online virtual catalog - which underwent a major redesign in 2013. Providing a consistent customer experience between all of our selling platforms to make it easier for you to work with us is just one of the ways we look to constantly improve upon our level of service.

In fact, being a service focused company is what we are all about and it's the overriding theme of this catalog. As you can see from our cover, Packard is much more than just products - it's our people that set us apart from the rest. We believe the value extended to customers lies far beyond just products:

- It's found in the service received at every customer touch point.
- It's found in the "local" voice behind the phone call.
- It's found in the product support after the sale.
- It's found in our industry approved complete component training program delivered at your branch.
- It's going above and beyond to obtain answers for you.

This is what we strive to achieve every day. We invite you to get to know us.

*Thomas Campbell*

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## C-Frame Motors



### Applications

Evaporators, refrigerators, range hoods, ventilators, exhaust fans and unit heaters

### Features

- Shaded pole
- Sleeve bearings
- Stud mounting
- Rotation is determined by viewing the shaft end
- Direct Replacements for Nutone, Gemline, and Bohn

Item ID	Stack Size (In.)	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Hertz	Replaces	Notes
<b>Packard</b>										
65100	1/2	120	3000	0.60	1	CCW	7/32 x 1 5/8	60	Gemline EM550 Nutone C65878 Robertshaw VFM100	105 485
65100M	1/2	120	3000	0.60	1	CCW	7/32 x 1 5/8	60	Nutone C658878 Motor Only	464 485
65112	1/2	120	3000	0.76	1	CCW	7/32 x 1 3/4	60		104 105 485
82423K	1/2	120	3000	0.60	1	CW	7/32 x 1 1/2	60	Nutone 89423-000	106 485
65249	1/2	120	3000	0.45	1	CW	1/8 x 2 1/2	60	Gemline EM241 Gemline EM242 Gemline EM244 Gemline EM245 Gemline EM247 Gemline EM248 Gemline EM249	
65106	5/8	115	3000	0.70	1	CCW	7/32 x 2 3/8	60	Gemline EM555 Nutone C68627	485
65514	5/8	120	3000	0.44	1	CW	3/16 x 3/4	60	Delfield 1175-10-4439	
65691	5/8	120	3000	0.64	1	CW	7/32 x 1 3/8	60	BOHN 5007S Bohn 5018S Bohn 5036F Gemline EM691 UPPCO 85	354 472 474
65692	5/8	240	3000	0.32	1	CW	0.181 x 1 3/8	60	BOHN 5007T Bohn 5018T Bohn 5036G Gemline EM692 UPPCO 86	354 472 474
65709	5/8	120	3000	0.88	1	CCW	7/32 x 2 3/8	60	Nutone C53709	108 485
67154	3/4	120	3000	0.55	1	CCW	1/4 x 5/8	60	Russell Coil 102249-005	
65894K	3/4	120	3000	0.90	1	CCW	7/32 x 2 3/8	60	Nutone 82229 Nutone K5894	106 485
65104	3/4	120	3000	0.74	1	CCW	7/32 x 1 3/4	60	Gemline EM553 Nutone C66582	107
65105	7/8	120	3000	0.88	2	CCW	7/32 x 1 7/16	60	Gemline EM554 Nutone C27987	110
65101	7/8	120	3000	0.86	2	CW	7/32 x 1 5/16	60	Gemline EM551 Nutone C52367 Robertshaw VFM101	110
65103	7/8	120	3000	0.71	1	CCW	7/32 x 1 1/4	60	Gemline EM552 Nutone C63675	485
65272	1	120	3000	1.00	1	CCW	7/32 x 1 1/2	60	Nutone C23272	485

Notes:  
 104. Same as 65100 except mounting screws are on the shaft end  
 105. Includes A65100FB impeller  
 106. Assembled with bracket as illustrated

107. Has eyelet terminals on leads  
 108. Has a one shot overload  
 110. Includes two speed plug  
 354. Impedance protected

464. Same as 65100 except motor only  
 472. Includes stand offs for other Bohn applications  
 474. Used in Bohn commercial evaporators  
 485. Includes two prong plug

## C -Frame Utility Fan Motors And Kits



65670



65690



65672  
65673



65675



65686



65687  
65688

### Applications

Evaporators, refrigerators, range hoods, ventilators, exhaust fans and unit heaters

### Features

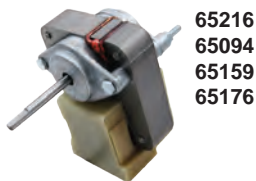
- Shaded pole
- 60 Hertz
- Rotation is determined by viewing the shaft end
- Open enclosure
- Mechanically reversible

Item ID	Stack Size (In.)	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Type	Bearings	Replaces	Notes
<b>Packard - Sleeve Bearings</b>											
65670	5/8	115	3000	0.50	1	CW	3/16 x 1 5/16	SP	Sleeve	Acme 600 Acme 700 Acme 710 Gemline EM670 Robertshaw 14001	
65690	5/8	120	3000	0.50	1	CW	3/16 x 1 1/2	SP	Sleeve	Gemline EM690	98
65672	5/8	240	3000	0.18	1	CCWSE	3/16 x 1 5/16	SP	Sleeve	Acme 602 Acme 702 Gemline EM672 Robertshaw 14005	
65673	5/8	115	3000/1550	0.60/0.40	2	CW	3/16 x 1 3/8	SP	Sleeve	Gemline EM673 Robertshaw 14007	
65675	1	120/240	3000	0.80/0.40	1	CW	3/16 x 2 3/8	SP	Sleeve	Acme 7502 Gemline EM675	
<b>Packard - Ball Bearings</b>											
65686	5/8	120	3000	0.41	1	CW	3/16 x 1 1/4	SP	Ball	Acme BB700 Gemline EM686	
65687	1 1/8	120/240	3000	0.64/0.32	1	CW	3/16 x 2 3/8	SP	Ball	Acme BB7502 Gemline EM687	
65688	1 1/8	120	3000	0.43	1	CW	3/16 x 1 5/8	SP	Ball	Acme BB750 Gemline EM688	

### Notes:

98. Same as 65670 except studs exit on the shaft end. Includes 5.5" fan blade only

## Direct C-Frame Replacements For Broan



65216  
65094  
65159  
65176



65366

### Features

- Shaded Pole
- Sleeve Bearing
- Automatic Overload
- Rotation is determined by viewing the shaft end

Item ID	Stack Size (In.)	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Hertz	Replaces	Notes
<b>Packard</b>										
65216	5/8	120	3000	0.51	1	CCW	0.181 x 1 1/2	60	Broan 99080090 Broan 99080216	485 491
65366	5/8	120	3000	0.50	2	CCW	3/16 x 1 1/4	60	Broan 99080365	110 491
65094	7/8	120	3000	0.75	1	CCW	7/32 x 1 3/8	60	Broan 99080094 Broan 99080099 Broan 99080166	485 491
65159	7/8	120	3000	0.71	1	CCW	1/4 x 2 3/4	60	Broan 99080159	485 491
65176	1 1/8	120	3000	1.00	1	CW	7/32 x 1 1/2	60	Broan 99080176	485 491

### Notes:

110. Includes Two Speed Plug

485. Includes two prong plug

491. Has a flattened shaft

## C-Frame Utility Fan Motors



### Applications

Evaporators, refrigerators, range hoods, ventilators, exhaust fans and unit heaters

### Features

- Open enclosure
- Shaded Pole, 60 Hertz
- Mechanically reversible
- Rotation is determined by viewing the shaft end

Item ID	Stack Size (In.)	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Type	Bearings	Replaces	Notes
<b>Packard</b>											
65210	3/8	120	3000	0.31	1	CW	0.181 x 1	SP	Sleeve		
65426	3/8	240	3000	0.17	1	CW	0.181 x 1	SP	Sleeve		
65455	1/2	120	3000	0.35	1	CW	7/32 x 1	SP	Sleeve	Kitchen Aid 240332-1 Kitchen Aid 4162472	
65533	1/2	120	3000	0.22	1	CW	Splined (3/16 Diameter)	SP	Sleeve	Choice Vending 863243	
65678	1/2	120	3000	0.55	1	CW	3/16 x 1 1/2	SP	Sleeve	Gemline EM678 Robertshaw 14015	
65693	1/2	120	3000	0.32	1	CW	0.181 x 1	SP	Sleeve		
65280	1/2	240	3000	0.32	1	CW	3/16 x 1	SP	Sleeve		
65671	5/8	115	3000	0.50	1	CW	3/16 x 1 1/4	SP	Sleeve	Gemline EM671 Robertshaw 14003	
65679	5/8	120	3000	0.50	1	CW	7/32 x 1 1/2	SP	Sleeve	Gemline EM679 Robertshaw 14017	
65681	5/8	120	3000/1550	0.55/0.34	2	CW	3/16 x 1 3/8	SP	Sleeve	Gemline EM681 Robertshaw 14021	
65102	5/8	120	3000	0.40	1	CW	7/32 x 2 3/16	SP	Sleeve		
65694	5/8	120	3000	0.45	1	CW	0.181 x 1	SP	Sleeve		
65467	7/8	120	3000/1550	1.00/0.60	2	CW	7/32 x 2 3/8	SP	Sleeve		103
65427	7/8	220-240	3000	0.28	1	CW	3/16 x 1	SP	Sleeve		
65283	7/8	120	3000/1550	0.76	2	CW	3/16 x 1	SP	Sleeve		
65685	1	120	3000/1550	0.81	2	CW	3/16 x 1 5/8	SP	Sleeve	GE WB26X45 Gemline EM685	
65682	1	120	3000/1500	0.60/0.36	2	CW	3/16 x 1 1/2	SP	Sleeve	Gemline EM682	
65683	1	240	3000	0.25	1	CW	3/16 x 1 1/4	SP	Sleeve	Gemline EM683	
65680	1 1/8	120	3000	0.90	1	CW	3/16 x 1 1/2	SP	Sleeve	Acme 750 Gemline EM680 Robertshaw 14019	
65468	1 3/8	120	3000/1550	1.25	2	CW	7/32 x 2 3/8	SP	Sleeve		
65428	1 1/2	220-240	3000	0.55	1	CW	1/4 x 1	SP	Sleeve		

**Notes:**

103. 2 speed plug for Nutone applications

## C-Frame Utility Ventilator Fan Motor



### Features

- 60 Hertz
- Rotation is determined by viewing the shaft end
- Has extended studs at 1 7/8" center, two 5/32" mounting holes on each side of stack on 1 7/8" center and includes two prong plug
- Mechanically reversible

Item ID	Stack Size (In.)	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Type	Bearings	Enclosure
<b>Packard</b>										
60100	5/8	115	2750	0.71	1	CW	3/16 x 1 1/8	SP	Sleeve	Open

## Plastic Fan Blades



### Applications

For use with unit bearing and C-Frame Motors

For full line of fan blade products, see page 173-183

Item ID	Diameter (In.)	Number of Blades	Rotation	Bore (In.)	Replaces Notes
<b>Packard</b>					
A61299	2 1/2	4	CW	3/16	
A61300	3	4	CW	1/8	
A61301	3	4	CW	3/16	
A61302	3 1/2	4	CCW	3/16	
A61353	4	4	CCW	Hub	
A61406	4	4	CW	1/8	
A61408	4	4	CW	3/16	
A61550	5 1/2	4	CCW	3/16	
A61551	5 1/2	4	CW	3/16	
A61602	6	4	CW	1/4	
A61603	6	4	CW	5/16	
A61604	6	4	CCW	3/16	
A61605	6	4	CCW	1/4	
A61606	6	4	CCW	5/16	
A61401	4	5	CW	1/8	
A61402	4	5	CW	3/16	
A61403	4	5	CCW	1/8	
A61404	4	5	CCW	3/16	
A61501	5	5	CW	3/16	
A61502	5	5	CW	1/4	
A61503	5	5	CW	5/16	
A61504	5	5	CCW	3/16	
A61505	5	5	CCW	1/4	
A61506	5	5	CCW	5/16	
A61455	5 9/16	5	CCW	3/16	
A61650	6 1/2	5	CW	3/16	
A61651	6 1/2	5	CW	1/4	
A61652	6 1/2	5	CW	5/16	
A61660	6 5/8	5	CW	7/32	D-STYLE BORE
A61665	6 5/8	5	CW	7/32	D-STYLE BORE
A61701	7	5	CW	1/4	
A61703	7	5	CCW	1/4	
A61718	7	5	CW	Hub	Germline FB718
A61801	8	5	CW	1/4	
A61802	8	5	CW	5/16	
A61601	6	6	CW	3/16	

## Plastic Blower Wheels And Impellers



A65900



A65100FB  
A65216FB  
A64031FB

Item ID	Bore (In.)	Diameter (In.)	Width (In.)	Bore	Replaces
<b>Packard</b>					
A65900	1/4	5 3/4	2	D Shape	Nutone 59000A000
A65100FB	7/32	4 9/16	—	D Shape	Nutone 68920
A65216FB	3/16	4 1/2	—	D Shape	
A64031FB	0.181	4 1/2	—	Round	



### Features

- Rotation is determined by viewing the lead end
- Totally enclosed



## Packard Unit Bearing Motors - Cast Iron 2-16 Watts - Single Foot Pad

Item ID	Watts	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Enclosure	Hertz	Mounting	Replaces
<b>Packard</b>											
61021	2	115	1550	0.22	CW	1/4 x 1/2	2 1/4	Totally Enclosed	50/60	No Foot Pad	
65111	2.5	115	1000	0.26	CW	1/4 x 1/2	2 1/4	Totally Enclosed	50/60	Single Foot Pad	GE 5111
65211	4	115	1550	0.29	CW	1/4 x 1/2	2 3/8	Totally Enclosed	50/60	Single Foot Pad	GE 5211
65212	4	115	1550	0.29	CCW	1/4 x 1/2	2 3/8	Totally Enclosed	50/60	Single Foot Pad	GE 5212
65311	6	115	1550	0.40	CW	1/4 x 1/2	2 7/8	Totally Enclosed	50/60	Single Foot Pad	GE 5311
65312	6	115	1550	0.40	CCW	1/4 x 1/2	2 7/8	Totally Enclosed	50/60	Single Foot Pad	GE 5312
65411	9	115	1550	0.55	CW	1/4 x 1/2	2 7/8	Totally Enclosed	50/60	Single Foot Pad	GE 5411
65412	9	115	1550	0.55	CCW	1/4 x 1/2	2 7/8	Totally Enclosed	50/60	Single Foot Pad	GE 5412
65421	9	230	1550	0.27	CW	1/4 x 1/2	2 7/8	Totally Enclosed	50/60	Single Foot Pad	GE 5421
65422	9	230	1550	0.27	CCW	1/4 x 1/2	2 3/4	Totally Enclosed	50/60	Single Foot Pad	GE 5422
65811	16	115	1550	1.00	CW	1/4 x 1/2	3 1/4	Totally Enclosed	50/60	Single Foot Pad	GE 5811
65812	16	115	1550	1.00	CCW	1/4 x 1/2	3 1/4	Totally Enclosed	50/60	Single Foot Pad	GE 5812
65821	16	230	1550	0.50	CW	1/4 x 1/2	3 1/4	Totally Enclosed	50/60	Single Foot Pad	GE 5821
65822	16	230	1550	0.50	CCW	1/4 x 1/2	3 1/4	Totally Enclosed	50/60	Single Foot Pad	GE 5822

## Packard Unit Bearing Motors - Cast Iron 2-16 Watts - Double Foot Pads

Item ID	Watts	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Enclosure	Hertz	Mounting
<b>Packard</b>										
61002	2	115	1550	0.22	CW	1/4 x 1/2	2 3/8	Totally Enclosed	50/60	Double Foot Pads
61004	4	115	1550	0.29	CW	1/4 x 1/2	2 3/8	Totally Enclosed	50/60	Double Foot Pads
61006	6	115	1550	0.40	CW	1/4 x 1/2	2 3/8	Totally Enclosed	50/60	Double Foot Pads
61029	9	230	1550	0.27	CW	1/4 x 1/2	2 1/2	Totally Enclosed	50/60	Double Foot Pads
61009	9	115	1550	0.55	CW	1/4 x 1/2	2 1/2	Totally Enclosed	50/60	Double Foot Pads
61099	9	115	1550	0.55	CCW	1/4 x 1/2	2 1/2	Totally Enclosed	50/60	Double Foot Pads
61059	9	230	1550	0.29	CCW	1/4 x 1/2	2 1/2	Totally Enclosed	50/60	Double Foot Pads
61015	16	115	1550	1.00	CW	1/4 x 1/2	3 1/32	Totally Enclosed	50/60	Double Foot Pads
61016	16	115	1550	1.00	CCW	1/4 x 1/2	3 1/32	Totally Enclosed	50/60	Double Foot Pads
61017	16	230	1550	0.50	CW	1/4 x 1/2	3 1/32	Totally Enclosed	50/60	Double Foot Pads
61018	16	230	1550	0.50	CCW	1/4 x 1/2	3 1/32	Totally Enclosed	50/60	Double Foot Pads

## Direct Replacement Unit Bearing Motors

Item ID	Watts	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Material	Hertz	Mounting	Replaces	Notes
<b>Packard</b>												
65119	5	115	1550	0.34	CW	1/4 x 1/2	2 3/8	Cast Iron	50/60	Double Foot Pads	Hill PP7577M	87 551
65018	5	115	1550	0.34	CW	1/4 x 1/2	2 1/2	Cast Iron	50/60	Single Foot Pad	GE 5KSM81FFL18	550 551
65017	9	115	1550	0.55	CW	1/4 x 1/2	2 3/4	Cast Iron	50/60	Single Foot Pad	GE 5KSM81FFL17	550 551
65133	9	115	1550	0.50	CW	1/4 x 1/2	2 1/2	Cast Iron	50/60	Single Foot Pad	GE 5KSM51ECG5133 Hussmann 58698	87
<b>Morrill Motors</b>												
10101	9	115	1550	0.53	CW	1/4 x 1/2	2 1/2	Aluminum	60	No Foot Pad	Kyser Warren 5991	530
10019	9	115	1550	0.53	CW	1/4 x 1/2	2 3/8	Aluminum	60	Double Foot Pads	Morrill Motors SPB9HUEM1	

**Notes:**

87. Includes straight Lyall plug

530. No foot pad

550. Includes 90 degree Lyall plug

551. Low temp. oil



## Packard Unit Bearing Motors - Aluminum 2-16 Watts - Single Foot Pad



### Features

- Rotation is determined by viewing the lead end
- Totally enclosed
- 50/60 Hertz



Item ID	Watts	Volts	RPM	Amps	Rotation	Shaft Dim. (In.)	Length Less Shaft (In.)	Enclosure	Hertz	Mounting	Replaces	Notes
<b>Packard</b>												
65109	2	115	1550	0.22	CW	1/4 x 1/2	2 3/8	Totally Enclosed	50/60	No Foot Pad	GE 5109	530
65213	4	115	1550	0.29	CW	1/4 x 1/2	2 3/8	Totally Enclosed	50/60	Single Foot Pad	GE 5213	
65214	4	115	1550	0.29	CCW	1/4 x 1/2	2 3/8	Totally Enclosed	50/60	Single Foot Pad	GE 5214	
64022	5	115	1550	0.34	CW	1/4 x 1/2	2 3/8	Totally Enclosed	50/60	No Foot Pad	Emerson 119	87
65313	6	115	1550	0.40	CW	1/4 x 1/2	2 3/8	Totally Enclosed	50/60	Single Foot Pad	GE 5313	
65413	9	115	1550	0.50	CW	1/4 x 1/2	2 1/2	Totally Enclosed	50/60	Single Foot Pad	GE 5413	
<b>NEW</b> 65813	16	115	1550	1.0	CW	1/4 x 1/2	3 3/16	Totally Enclosed	50/60	Single Foot Pad		

### Notes:

87. Includes straight Lyall plug  
530. No foot pad

## Packard Unit Bearing Motors - Aluminum 2-9 Watts - Double Foot Pads



### Features

- Rotation is determined by viewing the lead end
- Totally enclosed
- 50/60 Hertz



Item ID	Watts	Volts	RPM	Amps	Rotation	Shaft Dim. (In.)	Length Less Shaft (In.)	Enclosure	Hertz	Mounting	Replaces	Notes
<b>Packard</b>												
64102	2	115	1550	0.25	CW	1/4 x 1/2	2 3/8	Totally Enclosed	50/60	Double Foot Pads	Emerson 102	
64103	4	115	1550	0.29	CCW	1/4 x 1/2	2 3/8	Totally Enclosed	50/60	Double Foot Pads	Emerson 103	
64117	6	115	1550	0.40	CW	1/4 x 1/2	2 3/8	Totally Enclosed	50/60	Double Foot Pads	Emerson 117	
64277	6	277	1550	0.17	CW	1/4 x 1/2	2 1/2	Totally Enclosed	50/60	Double Foot Pads		557
64108	9	115	1550	0.50	CW	1/4 x 1/2	2 1/2	Totally Enclosed	50/60	Double Foot Pads	Emerson 108	
64110	9	230	1550	0.27	CW	1/4 x 1/2	2 1/2	Totally Enclosed	50/60	Double Foot Pads	Emerson 110	

### Notes:

557. 5 mounting holes opposite the shaft end

## Unit Bearing Motor Mounting Brackets



Item ID	Shaft Height (In.)
<b>Packard</b>	
A11601	4 1/8
A11602	4 9/16
A11603	5 3/8
A11605	6 1/4



Item ID	Brand
A68004	Packard



Cast Iron



Aluminum



10101



### Features

- Rotation is determined by viewing the lead end
- Totally enclosed
- 60 Hertz
- Made in USA



## Morrill Unit Bearing Motors - Cast Iron 2-16 Watts

Item ID	Watts	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Mounting	Replaces	Notes
<b>Morrill Motors</b>											
10002	2	115	1550	0.22	CW	1/4 x 1/2	2 3/8	SP	Double Foot Pads	Morrill Motors SPB2EM1	
10004	4	115	1550	0.29	CW	1/4 x 1/2	2 3/8	SP	Double Foot Pads	Morrill Motors SPB4EM1 GE 5211	
10044	4	115	1550	0.29	CCW	1/4 x 1/2	2 3/8	SP	Double Foot Pads	Morrill Motors SPB4EMR1	
10024	4	230	1550	0.14	CW	1/4 x 1/2	2 3/8	SP	Double Foot Pads	Morrill Motors SPB4EM2 GE 5221	
10054	4	230	1550	0.14	CCW	1/4 x 1/2	2 3/8	SP	Double Foot Pads	Morrill Motors SPB4EMR2 GE 5222	
10005	5	115	1550	0.34	CW	1/4 x 1/2	2 3/8	SP	Double Foot Pads	Morrill Motors SPB5EM1	
10287	5	115	1550	0.34	CW	1/4 x 1/2	2 3/8	SP	Double Foot Pads	Morrill Motors PB5SEV11 Hill PP7577M	551
10026	5	115	1550	0.15	CW	1/4 x 1/2	2 3/8	PSC	No Foot Pad	Hill PO39537FM0	94 530 531 551
10006	6	115	1550	0.36	CW	1/4 x 1/2	2 1/2	SP	Double Foot Pads	Morrill Motors SPB6EM1 GE 5311	
10066	6	115	1550	0.36	CCW	1/4 x 1/2	2 1/2	SP	Double Foot Pads	Morrill Motors SPB6EMR1	
10009	9	115	1550	0.53	CW	1/4 x 1/2	2 1/2	SP	Double Foot Pads	Morrill Motors SPB9EM1 GE 5411	
10099	9	115	1550	0.53	CCW	1/4 x 1/2	2 1/2	SP	Double Foot Pads	Morrill Motors SPB9EMR1	
10029	9	230	1550	0.27	CW	1/4 x 1/2	2 1/2	SP	Double Foot Pads	Morrill Motors SPB9EM2 GE 5421	
10059	9	230	1550	0.27	CCW	1/4 x 1/2	2 1/2	SP	Double Foot Pads	Morrill Motors SPB9EMR2 GE 5422	
10025	9	115	1550	0.23	CW	1/4 x 1/2	2 1/2	PSC	No Foot Pad	Hill PO41662HMO	95 530 531 551
10015	16	115	1550	0.80	CW	1/4 x 1/2	3 1/32	SP	Double Foot Pads	Morrill Motors SPBEP16EM1 GE 5811	
10017	16	115	1550	0.80	CCW	1/4 x 1/2	3 1/32	SP	Double Foot Pads	Morrill Motors SPBEP16EMR1 GE 5812	
10016	16	230	1550	0.40	CW	1/4 x 1/2	3 1/32	SP	Double Foot Pads	Morrill Motors SPBEP16EM2 GE 5821	
10018	16	230	1550	0.40	CCW	1/4 x 1/2	3 1/32	SP	Double Foot Pads	Morrill Motors SPBEP16EMR2 GE 5822	

## Morrill Unit Bearing Motors - Aluminum 2-14 Watts

Item ID	Watts	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Mounting	Replaces	Notes
<b>Morrill Motors</b>											
13002	2	115	1550	0.22	CW	1/4 x 1/2	2 3/8	SP	Double Foot Pads	Morrill Motors SPB2HUEM1	
13005	5	115	1550	0.34	CW	1/4 x 1/2	2 3/8	SP	Double Foot Pads	Morrill Motors SPB5HUEM1	
13055	5	115	1550	0.34	CCW	1/4 x 1/2	2 3/8	SP	Double Foot Pads	Morrill Motors SPB5HUEMR2	
13006	6	115	1550	0.50	CW	1/4 x 1/2	2 3/8	SP	Double Foot Pads	Morrill Motors SPB6HUEM1	
10101	9	115	1550	0.53	CW	1/4 x 1/2	2 1/2	SP	No Foot Pad	Hussmann SPB9HUBGV101	87 530
10019	9	115	1550	0.53	CW	1/4 x 1/2	2 3/8	SP	No Foot Pad	Kyser Warren 5991	530
13009	9	115	1550	0.58	CW	1/4 x 1/2	2 1/2	SP	Double Foot Pads	Morrill Motors SPB9HUEM1	
13029	9	230	1550	0.29	CW	1/4 x 1/2	2 1/2	SP	Double Foot Pads	Morrill Motors SPB9HUEM2	
13014	14	115	1550	0.66	CW	1/4 x 1/2	2 3/8	SP	Double Foot Pads	Morrill Motors SPB14HUEM1	
13124	14	230	1550	0.33	CW	1/4 x 1/2	2 3/8	SP	Double Foot Pads	Morrill Motors SPB14HUEM2	

**Notes:**

87. Includes LYALL Plug  
94. Capacitor furnished

95. PSC Motor With Cap Included and Has 4 Drilled and Tapped Holes for Hill Refr Mounting

530. No Foot Pad  
531. Rear hole mounting only  
551. Low temp. oil

## Direct Replacements For Oasis, Tyler, and Hussman



10037  
10038  
61104



15990



61103

### Features

- Totally enclosed
- 60 Hertz
- 15990 includes a special plug and plastic water shield; 50/60 Hertz
- Rotation is determined by viewing the lead end

Item ID	Watts	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Mounting	Replaces
<b>Packard</b>										
10037	5	115	1550	0.34	CWLE	1/4 x 1/2	2 3/8	SP	Double Foot Pads	Oasis 027354-026 Oasis 027354-037
10038	9	115	1550	0.53	CWLE	1/4 x 1/2	2 1/2	SP	Double Foot Pads	Oasis 027354-038
15990	9	115	1550	0.23	CWLE	1/4 Threaded	2 1/2	PSC	Rear Mounting	EMS RS4BEB9E12 Tyler 52179990 GE 5KPM51BL401B Morril Motors RPSC4BE9BGV16
61103	12	115	1550	0.62	CWLE	1/4 x 1/2	2 11/16	50/60	No Foot Pad	Hussmann 0047000 Hussmann 441-103 Hussmann 0440421 Hussmann 125-01-0615A LRC Coil 1602
<b>NEW</b> 61104	12	115	1550	0.62	CWLE	1/4 x 1/2	2 11/16	50/60	Double Foot Pads	Hussmann 4410311 Trane MOT13205

## Packard Unit Bearing Motors - Cast Iron 25-50 Watts



65001 65020  
65002 65021  
65003 65022  
65004 65023



65040  
65041  
65042  
65043



65045

### Features

- Double foot pad
- 50/60 Hertz
- Rotation is determined by viewing the lead end



Item ID	Watts	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Enclosure	Replaces
<b>Packard</b>									
65001	25	115	1500	1.10	CW	1/4 x 1/2	3 3/8	Totally Enclosed	GE 3251 002412283
65003	25	115	1500	1.10	CCW	1/4 x 1/2	3 3/8	Totally Enclosed	GE 3252
65002	25	230	1500	0.55	CW	1/4 x 1/2	3 3/8	Totally Enclosed	GE 3253
65004	25	230	1500	0.55	CCW	1/4 x 1/2	3 3/8	Totally Enclosed	GE 3254
65020	35	115	1500	1.40	CW	1/4 x 1/2	3 3/8	Totally Enclosed	GE 3351 810M035A29
65022	35	115	1500	1.40	CCW	1/4 x 1/2	3 3/8	Totally Enclosed	GE 3352
65021	35	230	1500	0.70	CW	1/4 x 1/2	3 3/8	Totally Enclosed	GE 3353 810M035A21
65023	35	230	1500	0.70	CCW	1/4 x 1/2	3 3/8	Totally Enclosed	GE 3354
65040	50	115	1500	1.70	CW	3/8 x 1 1/2	3 5/8	Semi Enclosed	GE 3501 050-0244-00
65042	50	115	1500	1.70	CCW	3/8 x 1 1/2	3 5/8	Semi Enclosed	GE 3502
65041	50	230	1500	0.85	CW	3/8 x 1 1/2	3 5/8	Semi Enclosed	GE 3503 050-0244-00
65043	50	230	1500	0.85	CCW	3/8 x 1 1/2	3 5/8	Semi Enclosed	GE 3504
65045	50	230	1500	0.85	CCW	5/16 x 2 1/2	3 3/4	Open	GE 3507 810M050A62

## Packard Unit Bearing Motor Plugs



90 Degree Plug And Cord

Item ID	Length (In.)
PLUG018	25

UL Recognized



See page 202



Straight Plug And Cord

Item ID	Length (In.)
PLUG119	25

UL Recognized



## Electric Motors And Specialties Unit Bearing Motors - 15-75 Watts



15009



15020 15003  
15021 15004  
15022 15005  
15023 15006  
15001 15007  
15002 15008



15040 15046  
15041 15049  
15042 15460  
15043 15075  
15044 15461



15010



15045  
15461



**New Models Available!**

### Features

- Double foot pad mounting
- Mounting hardware included
- Rotation is determined by viewing the lead end
- UL and CSA approved
- Cast iron
- Shaded pole
- Made in USA

Item ID	Watts	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Enclosure	Hertz	Replaces	Notes
<b>Electric Motor and Specialties</b>											
<b>NEW</b> 15009	15	115	1500	0.6	CCW	5/16 x 7 1/2	3 1/8	Semi Enclosed	60	ESPL15EMJR11	
<b>NEW</b> 15005	16	115	1500	1.1	CW	1/4 x 1/2	3 3/8	Totally Enclosed	60	ESPL16EM1	
<b>NEW</b> 15006	16	230	1500	0.6	CW	1/4 x 1/2	3 3/8	Totally Enclosed	60	ESPL16EM2	
<b>NEW</b> 15007	16	115	1500	1.1	CCW	1/4 x 1/2	3 3/8	Totally Enclosed	60	ESPL16EMR1	
<b>NEW</b> 15008	16	230	1500	0.6	CCW	1/4 x 1/2	3 3/8	Totally Enclosed	60	ESPL16EMR2	
<b>NEW</b> 15001	25	115	1500	1.1	CW	1/4 x 1/2	3 3/8	Totally Enclosed	60	GE 3251 ESPL25EM1	
<b>NEW</b> 15002	25	230	1500	0.6	CW	1/4 x 1/2	3 3/8	Totally Enclosed	60	GE 3253 ESPL25EM2	
<b>NEW</b> 15003	25	115	1500	1.1	CCW	1/4 x 1/2	3 3/8	Totally Enclosed	60	GE 3352 ESPL25EMR1	
<b>NEW</b> 15004	25	230	1500	0.6	CCW	1/4 x 1/2	3 3/8	Totally Enclosed	60	ESPL25EMR2	
<b>NEW</b> 15010	25	115	1500	1.1	CCW	5/16 x 3 1/2	3 1/16	Totally Enclosed	60	ESPL25ERD1	
15020	35	115	1500	1.40	CW	1/4 x 1/2	3 3/8	Totally Enclosed	60	Tecumseh 810M035A29 EMS ESPL35EM1	479
15022	35	115	1500	1.40	CCW	1/4 x 1/2	3 3/8	Totally Enclosed	60	EMS ESPL35EMR1	
15021	35	230	1500	0.70	CW	1/4 x 1/2	3 3/8	Totally Enclosed	60	Tecumseh 810M035A21 Tecumseh 810M035A28 EMS ESPL35EM2	479
15023	35	230	1500	0.70	CCW	1/4 x 1/2	3 3/8	Totally Enclosed	60	EMS ESPL35EMR2	
15040	50	115	1500	1.70	CW	3/8 x 1 1/2	3 5/8	Open	60	Copeland 050-0244-01 EMS ESPOL50EM1	96
15041	50	230	1500	0.85	CW	3/8 x 1 1/2	3 5/8	Open	60	Copeland 050-0244-00 EMS ESPOL50EM2	96
15045	50	230	1500	0.85	CCW	5/16 x 2 1/2	3 3/4	Open	60	Tecumseh 810M050A62 EMS ESPOL50EMJR21	479
15049	50	208-230	1500	0.85	CW	3/8 x 1 1/2	3 3/4	Open	50/60	Copeland 050-0244-00 EMS ESPOL50EM26	96 97
<b>NEW</b> 15460	50	460	1500	0.44	CW	3/8 x 1 1/2	3 5/8	Open	60	Copeland 050-0244-02 EMS ESPOL50EM461	96
<b>NEW</b> 15461	50	460	1500	0.44	CCW	5/16 x 2	3 5/8	Open	60	Copeland 050-0264-03 ESPOL50EMJR41	
<b>NEW</b> 15042	50	115	1500	1.7	CCW	3/8 x 1 1/2	3 5/8	Open	60	ESPOL50EMR1	
<b>NEW</b> 15043	50	230	1500	0.85	CCW	3/8 x 1 1/2	3 5/8	Open	60	ESPOL50EMR2	
<b>NEW</b> 15044	50	230	1500	0.85	CW	5/16 x 1 1/2	3 5/8	Open	60	ESPOL50EM2B	
<b>NEW</b> 15046	50	208-230	1500	1.20	CW	3/8 x 1 1/2	3 5/8	Open	60	ESPOL60EM2	97
15075	75	208-230	1500	1.50	CW	3/8 x 1 1/2	3 5/8	Open	60	EMS ESPOL75EM2	97

Notes:

96. Copeland replacement

97. May be used on 208 Volt applications

479. Tecumseh replacement

## Direct Replacements For General Electric 11 Frame



61431  
61441  
61442  
61432  
61331  
61332  
61232



41336

### Features

- All angle unit bearings
- 60 Hertz
- Automatic overload
- 2.25 inch resilient rings
- Single speed / single phase
- Stud and resilient mounting
- 4 Holes #8-32 UNF-2B on 2.84" bolt circle

Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Enclosure	Replaces
<b>Packard</b>											
61431	35 MHP	115	1550	1.70	CWOLE	5/16 x 1 1/4	4.82	Shaded Pole	Sleeve	Open	GE1431
61441	35 MHP	115	1550	1.70	CCWOLE	5/16 x 1 1/4	4.82	Shaded Pole	Sleeve	Open	GE1441
61442	35 MHP	208-230	1550	0.87	CCWOLE	5/16 x 1 1/4	4.82	Shaded Pole	Sleeve	Open	GE1442
61432	1/30	208-230	1550	0.87	CWOLE	5/16 x 1 1/4	4.82	Shaded Pole	Sleeve	Open	GE1432
<b>NEW</b> 41336	1/20	230	1550	1.10	CCWLE	5/16 x 1 5/8	4.25	Shaded Pole	Sleeve	Totally Enclosed	GE 1336
61331	1/20	115	1550	2.20	CWLE	5/16 x 2	4.82	Shaded Pole	Sleeve	Open	GE 1331
61332	1/20	208-230	1550	1.10	CWLE	5/16 x 2	4.82	Shaded Pole	Sleeve	Open	GE 1332
61232	1/15	208-230	1550	0.93	CWOLE	5/16 x 2	4.90	Shaded Pole	Sleeve	Open	GE 1232



### Features

- Shaded pole
- Sleeve bearing
- Open enclosure
- 60 Hertz
- Automatic overload
- Bolt circle 2.84"

Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Enclosure	Replaces	Notes
<b>Fasco</b>											
D477	1/35	208-230	1550	0.75	CCW	5/16 x 1 5/8	4 1/4	Sleeve	Open	GE 1432	40 43 44 46
D471	1/20	208-230	1550	1.10	CCW	5/16 x 2 1/2	4 1/4	Sleeve	Open	GE 1332	47
D473	1/20	115	1550	2.00	CCW	5/16 x 2 5/8	4 1/4	Sleeve	Open	GE 1331	47
D472	1/20	115	1550	1.90	CW	5/16 x 2 5/8	4 1/4	Sleeve	Open	GE 1341	47
D470	1/20	208-230	1550	0.94	CW	5/16 x 2 5/8	4 1/4	Sleeve	Open	GE 1342	47

#### Notes:

40. Mounting bracket designed to match the original motor (four 8-36 drilled and tapped holes)  
43. Mounting hardware included

44. Has 22" leads with 1/16" thick insulation  
46. Three studs opposite shaft end are 8-32 on a standard 2.84" bolt circle, 120° apart

47. Includes 1/2" studs for mounting



### Features

- Shaded pole
- Stud mounting
- 60 Hertz
- Automatic overload
- Single phase
- Rotation is determined by viewing the shaft end; leads are on shaft end
- Bolt circle 2.84"

Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Enclosure	Replaces	Notes
<b>Packard</b>											
81671	1/15	115/230	1550	2.10-1.10	CCW	5/16 x 1 5/8	4 1/4	Sleeve	Totally Enclosed	GE 1331 GE 1332	486 487 488 489
81672	1/15	115/230	1550	2.10-1.10	CW	5/16 x 1 5/8	4 1/4	Sleeve	Totally Enclosed	GE 1341 GE 1342	486 487 488 489

#### Notes:

486. Drilled and tapped holes for mounting  
487. Includes 1 7/8" diameter mounting rings

488. 8/32 mounting studs included  
489. Rotation is determined by viewing the lead end

## Square Frame Condenser Fan Motors



### Applications

- Industrial and commercial refrigeration fans for condensing, ventilating and evaporator units, walk-in and reach-in coolers, freezers, food and beverage chillers.

### Features

- All angle self-aligning sleeve bearings
- Totally Enclosed
- Continuous air over
- Class B insulation
- Standard operating temperatures: -40°F to + 104°F (-40°C to +40°C)
- UL listed, CSA approved
- Rear mount: 3 tapped holes #8-36 thread
- Foot mount: 4 holes, #8-36 thread

Item ID	Watts	Volts	RPM	Amps	Rotation	Protection
<b>Packard</b>						
PSQ4CW115	4	115	1550	0.36	CW Lead End	Impedence
PSQ5CW115	5	115	1550	0.40	CW Lead End	Thermal
PSQ6CW115	6	115	1550	0.41	CW Lead End	Impedence
PSQ9CW115	9	115	1550	0.58	CW Lead End	Thermal
PSQ9CW230	9	230	1550	0.35	CW Lead End	Thermal
PSQ18CW115	18	115	1550	1.00	CW Lead End	Thermal
PSQ18CW230	18	230	1550	0.50	CW Lead End	Thermal

## Bracket Adapter Kit



### Features

- This kit allows mounting “American style” ELCO motors (NU Series) on “European style” U-type or V-type brackets.
- See page 17 for bracket offering

Item ID	Contains
ELCO	Plastic Bracket
EUBKT01	M4x16 Screw (4 pcs.)
	Serrated M4 Hex nut (6 pcs.)

## Packard 3.3 Inch Diameter Motors - Open Enclosure



### Features

- Shaded pole
- Automatic overload
- Open enclosure
- 60 Hertz
- Single phase
- Rotation is determined by viewing the shaft end

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Mounting	Replaces	Notes
<b>Packard - Single Shaft</b>												
82621	1/10	115	1550	3.80	1	CCW	5/16 x 1 1/2	3 5/8	Ball	Stud	Nutone 67176 Nutone 32997	
40188	1/20	208-230	1550	0.80	1	CW	5/16 x 2 5/16	2 3/4	Sleeve	Stud	Emerson 9648	329
40189	1/20	208-230	1550	0.80	1	CCW	5/16 x 2 5/16	2 3/4	Sleeve	Stud	Emerson 9647	329
40132	1/20	115	1550	1.80	1	CW	5/16 x 2 1/4	2 3/4	Sleeve	Stud	Heatcraft/Bohn	329
40133	1/20	115	1550	1.80	1	CCW	5/16 x 2 1/4	2 3/4	Sleeve	Stud	Heatcraft/Bohn	329
40030	1/25	115	1550	1.70	1	CW	5/16 x 2 1/2	2 11/16	Sleeve	Stud		
40031	1/25	115	1550	1.70	1	CCW	5/16 x 2 1/2	2 3/4	Sleeve	Stud		
40514	1/30	115	1550	1.30	1	CW	5/16 x 2 3/8	2 1/2	Sleeve	Stud	Emerson 9628	
40515	1/30	115	1550	1.30	1	CCW	5/16 x 2 3/8	2 1/2	Sleeve	Stud		
82584	1/30	120	1550	1.3	1	CCW	5/16 x 1 7/8	2 1/2	Sleeve	Resilient Hubs	Broan 97008584	513
40126	1/40	115	1550	1.10	1	CW	5/16 x 2 1/4	2 7/16	Sleeve	Stud		329
40127	1/40	115	1550	1.10	1	CCW	5/16 x 2 1/4	2 7/16	Sleeve	Stud	Trane MOT-6227	
40752	1/40	120	1500	1.30	1	CCW	1/4 x 1 1/2	2 1/8	Sleeve	Stud	Broan 97009752 Broan 99080096 Broan 99080345	512 482
82036	1/40	115	3000	0.92	1	CW	1/4 x 2 1/2	3.06	Sleeve	Stud	Magnetek 36	
<b>Packard - Double Shaft</b>												
<b>NEW</b> 82973	1/15	120	1600	2.6	1	CCWLE	2 1/2 x 5/16 x 2 1/2	3 1/2	Sleeve	Stud	Broan 99080359	
82011	1/30	115	3000	1.10	1	CWLE	1 1/2 x 1/4 x 1 1/2	2 7/8	Sleeve	Stud		
82127	1/40	115	1550	1.10	3	CCWLE	2 1/2 x 1/4 x 2 1/2	2 1/2	Sleeve	Stud		
82128	1/40	115	1550	1.30	3	CCWLE	2 1/2 x 5/16 x 2 1/2	2 1/4	Sleeve	Stud		

#### Notes:

329. Motor has 4 studs on both ends  
482. Two prong plug and cord attached

512. With cord and 2 prong 90 degree plug  
513. Special plug and cord attached

## Packard 3.3 Inch Diameter Motors - Open Enclosure



### Features

- Shaded pole
- Automatic overload
- Open enclosure
- 60 Hertz
- Single phase
- Rotation is determined by viewing the shaft end

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Mounting	Replaces	Notes
<b>Packard</b>												
40933	1/50	120	1550	1.20	1	CCW	1/4 x 1	1 7/8	Sleeve	Stud	Nutone 86933 Nutone 86933000 UniversalJA2B104N	482
82633	1/50	120	1400	0.78	1	CW	5/16 x 1 3/8	2 1/2	Sleeve	Resilient Hubs	BROAN 99080273 BROAN 99080274 BROAN 99080633	513
40120	1/70	115	1550	0.70	1	CW	1/4 x 2 1/4	2 1/16	Sleeve	Stud	Emerson 9621	329
40121	1/70	115	1550	0.70	1	CCW	1/4 x 2 1/4	2 1/16	Sleeve	Stud	Trane MOT-6225	329
80865	1/70	115	1550	0.66	1	CCW	1/4 x 2 5/8	2 3/8	Sleeve	Resilient Hubs	Nutone 26721	41
80913	1/70	115	1550	0.66	1	CW	1/4 x 1 1/2	2 3/8	Sleeve	Resilient Hubs	Nutone C30434	41
82510	1/70	115	1320	0.85	1	CW	1/4 x 1 1/8	2 1/16	Sleeve	Stud	Nutone C65073	41 482
80600	1/80	115	3000	0.65	1	CW	1/4 x 2 1/8	2 1/2	Sleeve	Stud	Emerson 9613 Nutone 16553	41
82583	1/100	120	1550	0.55	1	CCW	5/16 x 1 3/4	2 1/2	Sleeve	Resilient Hubs	Broan 97008583	45 513
82308	1/100	115	3000	0.57	1	CCW	1/4 x 2 1/2	2 1/16	Sleeve	Stud	Emerson 9600 Magnetek 308 Universal U308	
41105	1/50	115	1550	1.0	1	CCWLE	1/4 x 2 1/2	2 1/3	Sleeve	Stud	RMR 1105	431
<b>NEW</b> 41107	1/20	115	1550	1.5	1	CCWLE	5/16 x 2 1/2	3	Sleeve	Stud	RMR 1107	431
<b>NEW</b> 44107	1/20	208-230	1550	1.1	1	CCWLE	5/15 x 2 1/2	3	Sleeve	Stud	RMR 4107	431
<b>NEW</b> 80391	1/20	115	1550	2.1	1	CCWLE	5/16 x 2 3/8	3 7/8	Sleeve	Stud		
<b>NEW</b> 82202	1/20	115	3000	0.45	1	CWLE	1/4 x 1	2 3/8	Sleeve	Stud		

### Notes:

41. 1 1/8" Hubs  
45. Impedence Protected

329. Motor has 4 studs on both ends  
431. Mechanically Reversible

482. Two prong plugs and cord attached  
513. Special plug and cord attached



## Fasco 3.3 Inch Diameter Motors - Open Enclosure



D128  
D129



D120 D188  
D121 D189  
D126 D202  
D127 D203  
D132 D206  
D133 D210



D130  
D131  
D208



D207



D209



D211  
D213

### Features

- Shaded pole
- Automatic overload
- Open enclosure
- 60 Hertz
- Single phase
- Rotation is determined by viewing the shaft end
- 4 studs on each end

Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Mounting	Replaces	Notes
<b>Fasco - Single Shaft</b>											
D202	1/85	115	3000	0.60	CW	1/4 x 2 1/4	2 3/8	Sleeve	Stud		496
D120	1/70	115	1500	0.70	CW	1/4 x 2 1/4	2 1/8	Sleeve	Stud		496
D121	1/70	115	1500	0.70	CCW	1/4 x 2 1/4	2 1/8	Sleeve	Stud		496
D126	1/40	115	1500	1.10	CW	5/16 x 2 1/4	2 1/2	Sleeve	Stud		496
D127	1/40	115	1500	1.00	CCW	5/16 x 2 1/4	2 1/2	Sleeve	Stud		496
D203	1/40	115	3000	1.00	CCW	1/4 x 2 1/4	2 3/4	Sleeve	Stud		496
D130	1/40	115	1500	1.00	CW	5/16 x 4 1/8	3 1/3	Sleeve	Stud	Emerson 3803 Trane MOT-6221	496
D131	1/40	115	1500	1.00	CCW	5/16 x 2 1/4	3 1/3	Sleeve	Stud		496
D206	1/30	115	3000	1.20	CW	1/4 x 2 1/4	2 3/4	Sleeve	Stud		496
D208	1/30	115	3000	1.10	CW	1/4 x 3	3 5/8	Sleeve	Stud		496
D210	1/25	115	3000	1.30	CW	1/4 x 2 1/4	3 1/4	Sleeve	Stud		496
D188	1/20	230	1500	0.90	CW	5/16 x 2 1/4	2 7/8	Sleeve	Stud		496
D189	1/20	230	1500	0.90	CCW	5/16 x 2 1/4	2 7/8	Sleeve	Stud		496
D133	1/20	115	1500	1.80	CCW	5/16 x 2 1/4	2 3/4	Sleeve	Stud		496
D132	1/20	115	1500	1.80	CW	5/16 x 2 1/4	2 3/4	Sleeve	Stud		496
<b>Fasco - Double Shaft</b>											
D129	1/125-1/200	115	1500	0.40-0.30	DS	3 1/4 x 1/4 x 3 1/4	2 1/8	Sleeve	Stud		496
D128	1/40-1/50-1/80	115	1500	1.30-0.90-0.60	DS	4 x 5/16 x 4	2 1/2	Sleeve	Stud		496
D207	1/30	230	3000	0.60	DS	2 1/4 x 1/4 x 2 1/4	2 3/4	Sleeve	Stud		496
D209	1/30	115	3000	1.10	DS	3 1/4 x 1/4 x 3 1/4	3 5/8	Sleeve	Stud		496
D213	1/15	115	3000	2.10	DS	2 3/4 x 1/4 x 2 3/4	3 7/8	Sleeve	Stud		496
D211	1/15	230	3000	1.10	DS	2 1/2 x 1/4 x 2 1/2	3 7/8	Sleeve	Stud		496

Notes:  
496. 4 studs on each end

## 3.3 Inch Diameter Motors - Totally Enclosed



40122  
40123  
40124  
40125  
82259  
82260



82500  
80402  
80403



41105



### Features

Ideal replacement for many range hoods

- Shaded pole
- Totally enclosed
- Stud mounting
- Automatic overload
- Single phase
- 60 Hertz
- Rotation is determined by viewing the shaft end

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dim. (In.)	Length Less Shaft (In.)	Bearings	Mounting	Notes
<b>Packard</b>											
40122	1/80	115	1550	0.65	1	CW	1/4 x 2 1/4	2 1/16	Sleeve	Stud	329
40123	1/80	115	1550	0.65	1	CCW	1/4 x 2 1/4	2 1/16	Sleeve	Stud	329
82500	1/70	115	3000	1.04	1	CCW	1/4 x 1	2 3/8	Sleeve	Stud	
80402	1/60	115	3000	0.75	1	CW	1/4 x 1 3/4	2 3/8	Sleeve	Stud	
80403	1/60	115	3000	0.75	1	CCW	1/4 x 1 3/4	2 3/8	Sleeve	Stud	
40124	1/50	115	1500	0.88	1	CW	1/4 x 2 1/4	2 3/8	Sleeve	Stud	329
40125	1/50	115	1550	0.80	1	CCW	1/4 x 2 1/4	2 3/8	Sleeve	Stud	329
<b>NEW</b> 41105	1/50	115	1550	1.0	1	CCWLE	1/4 x 2 1/2	2 3/8	Sleeve	Stud	431
<b>NEW</b> 82259	1/30-1/100	115	1550/1100	1.1/0.62	2	CWLE	5/16 x 1 3/4	2 3/4	Sleeve	Stud	
<b>NEW</b> 82260	1/30-1/100	115	1550/1100	1.1/0.62	2	CCWLE	5/16 x 1 3/4	2 3/4	Sleeve	Stud	

#### Notes:

329. Motor has 4 studs on both ends

431. Mechanically Reversible



D122  
D123  
D124  
D125



D205



D214

### Features

- Shaded Pole
- Totally Enclosed
- Automatic Overload
- 60 HZ
- Single Phase
- Rotation is determined by viewing the shaft end

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Mounting
<b>Fasco</b>										
D122	1/80	115	1500	0.60	1	CW	1/4 x 2 1/4	2 1/8	Sleeve	Stud
D123	1/80	115	1500	0.60	1	CCW	1/4 x 2 1/4	2 1/8	Sleeve	Stud
D124	1/50	115	1500	0.75	1	CW	1/4 x 2 1/4	2 1/2	Sleeve	Stud
D125	1/50	115	1500	0.75	1	CCW	1/4 x 2 1/4	2 1/2	Sleeve	Stud
D205	1/40-1/70	115	3000	1.00-0.50	1	DS	3 x 1/4 x 3	2 7/8	Sleeve	Stud
D214	1/20	115/230	3000	1.70-0.80	1	CW	5/16 x 6 1/2	4 5/8	Sleeve	Stud

**3.3 Inch Diameter Nutone Replacement Assemblies**



**Features**

- Complete assembly
- Includes motor, mounting bracket and blower wheel
- Shaded pole
- Automatic overload
- 60 Hertz
- Includes 2-prong plug

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Type	Bearings	Enclosure	Mounting	Replaces
<b>Packard</b>												
40695	1/100	120	1180	0.60	1	CWSE	1/4 x 1 1/8	SP	Sleeve	Open	Mounting Plate	Nutone 0695B000
40696	1/45	115	1400	0.86	1	CCWLE	1/4 x 1	SP	Sleeve	Open	Mounting Plate	Nutone 0696B000 Nutone 86322

**3.3 Inch Diameter Fan And Blower Duty Nutone Replacements**



**Features**

- Direct replacements for Nutone and many other popular range hoods
- Rotation is determined by viewing the shaft end
- Shaded pole
- Stud and ring mounting
- Automatic overload
- 60 Hertz

Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Enclosure	Replaces	Notes
<b>Packard</b>											
82512	1/100	115	1550	0.70	CCW	1/4 x 1 1/8	2 1/16	Sleeve	Totally Enclosed	Nutone 26750 Nutone 26761	42
82513	1/100	115	1550	0.70	CCW	1/4 x 1 1/4	2 1/16	Sleeve	Totally Enclosed	Nutone 23388 Nutone 23405	41 42
82514	1/100	115	1550	0.70	CW	1/4 x 1 1/8	2 1/16	Sleeve	Totally Enclosed		42
82635	1/91	115	1550	0.45	CCW	5/16 x 1 1/8	2.09	Sleeve	Totally Enclosed	Nutone 54123 Nutone 54257	42
80600	1/80	115	3000	0.65	CW	1/4 x 2 1/8	2 1/2	Sleeve	Open	Emerson 9613 Nutone 16553	41
82637	1/75	115	1550	0.63	CCW	1/4 x 1 1/8	2	Sleeve	Totally Enclosed	Nutone 53581	42
82510	1/70	115	1320	0.85	CW	1/4 x 1 1/8	2 1/16	Sleeve	Open	Nutone C65073	41 482
82694K	1/70	115	3000	1.04	CCW	1/4 x 1	2 3/8	Sleeve	Totally Enclosed	Emerson 2694	42
82733	1/50-1/80	115	3000	1.00-0.60	CW	1/4 x 1 1/4	2.59	Sleeve	Totally Enclosed	Nutone C26733	42
82621	1/10	115	1550	3.80	CCW	5/16 x 1 1/2	3 5/8	Ball	Open	Nutone 67176 Nutone 32997	
40933	1/50	120	1550	1.20	CCW	1/4 x 1	1 7/8	Sleeve	Open	Nutone 86933 Nutone 86933000 UniversalJA2B104N	482

Notes:  
41. 1 1/8" Hubs

42. Includes cord and plug

482. Two prong plug and cord attached

## 3.3 Inch Diameter Direct Replacements For Bohn & Larkin



### Features

- Single speed
- Stud mounting
- Single phase
- Special Lyall plug and cord included
- Sleeve bearings
- Open enclosure
- Automatic overload
- 60 Hertz
- All copper windings
- Low temp oil

Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Replaces	Notes
<b>Packard</b>										
41101	1/20	120	1500	1.90	CCWSE	5/16 x 2 1/4	2 3/4	Shaded Pole	Larkin 253-1194	329 551
41103	1/20	208-230	1500	0.93	CCWSE	5/16 x 2 1/4	2 7/8	Shaded Pole	Larkin 253-1195	329 551
41124	1/15	120	1550	2.00	CWSE	5/16 x 3	3	Shaded Pole	BOHN 5008S	329 551
41126	1/15	208-230	1550	1.10	CWSE	5/16 x 3	3 1/2	Shaded Pole	BOHN 5008T BOHN 5034L	329 551
41125	1/12	208-230	1550/1400	0.50	CCWSE	5/16 x 2 5/8	3 1/2	PSC	BOHN 25305101 BOHN 7071061	304 551

### Notes:

304. Run capacitor mounted on motor shell  
329. Motor has 4 studs on both ends

551. Low Temp. Oil

## 3.3 Inch Diameter Direct Replacement For Krack



### Features

#### Commercial Refrigeration Motor

- Shaded pole
- Totally enclosed
- Automatic overload
- 50/60 Hertz
- Rotation is determined by viewing the shaft end
- Low temp oil

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Mounting	Replaces
<b>Packard</b>											
41189	1/20	115/208-230	1350/1550	1.60/0.80	1	CWSE	5/16 x 1 5/8	3 1/16	Ball	Lug	Krack 11528 Krack 11529 Universal JA2P216N Universal JA2P217N Universal JB2P046N Universal JB2P047N Franklin 8254111030 Franklin 8354110940

## 3.3 Inch Permanent Split Capacitor Replacements for Heatcraft

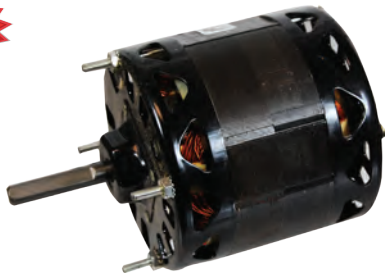


### Features

- Permanent split capacitor
- Multi-Horsepower
- Electrically reversible
- Open enclosure
- Single phase
- 50/60 Hertz
- 49101 has all copper windings
- All angle mounting
- UL and CSA recognized
- Capacitor mounted on motor
- Includes reversing plug
- Low temp oil

Item ID	H.P.	Volts	RPM	Amps	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Mounting	Replaces
<b>Century</b>									
9721	1/12	115/208-230	1550	1.10/0.50	5/16 x 3 1/4	3 5/8	Ball	Stud	Emerson 9656 Heatcraft 7071061 Emerson 9664 BOHN 25309101
<b>Packard</b>									
49101	1/12-1/15-1/20	115/208-230	1550/1400	1.10/0.60	5/16 x 3 1/8	3 5/8	Ball	Stud	GE 5KSM59ES2001 GE 5KSM59JSK1435 Heatcraft 7071061 GE 5KSM59JS036S GE 5KSM59LS2262AS Heatcraft 25309101

## 4 1/8 Fan and Blower Motor



### Features

- Stud and hub mount
- 1.2" diameter hubs both ends
- Replaces Franklin 8414040471 and 9414310111

Item ID	HP	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Type	Enclosure
<b>Packard</b>									
80958	1/8	115	1550	3.8	1	CWSE	3/8 x 2 3/8	Shaded Pole	Open



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### 4.4 Inch Diameter Fan Coil Motors

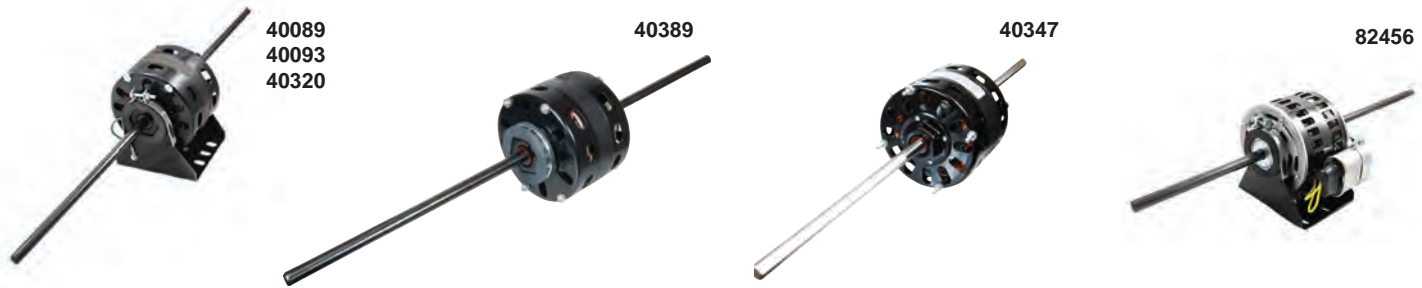


#### Features

- Sleeve bearings
- Automatic overload
- Open enclosure
- 60 Hertz
- Shaded pole
- Single phase

Item ID	H.P.	Volts	RPM	Amps	Shaft Dimension (In.)	Length Less Shaft (In.)	Enclosure	Mounting
<b>Fasco Shaded Pole</b>								
D236	1/10-1/15-1/25	115	1550	3.50-2.40-1.80	7 1/2 x 1/2 x 7 1/2	3 3/8	Open	Resilient Base
D336	1/10-1/15-1/25	115	1550	3.50-2.40-1.80	7 1/2 x 3/8 x 7 1/2	3 1/2	Open	Resilient Rings
D337	1/8-1/10-1/12-1/15	115	1550	4.10-2.70-2.30-1.90	7 1/2 x 1/2 x 7 1/2	3 5/8	Open	Resilient Rings
D339	1/8-1/12	230	1550	2.00-1.40	6 1/2 x 1/2 x 6 1/2	4 1/8	Open	Resilient Rings
D338	1/6-1/10-1/12-1/15	115	1550	5.40-3.20-2.50-2.10	7 1/4 x 1/2 x 7 1/4	4 1/8	Open	Resilient Rings

### 42 Frame Fan Coil Motors



#### Features

- Sleeve bearings
- Automatic overload
- Models without a base fit existing bases on most fan coil units
- Shaded pole and PSC
- Open enclosure
- Single phase
- 60 Hertz

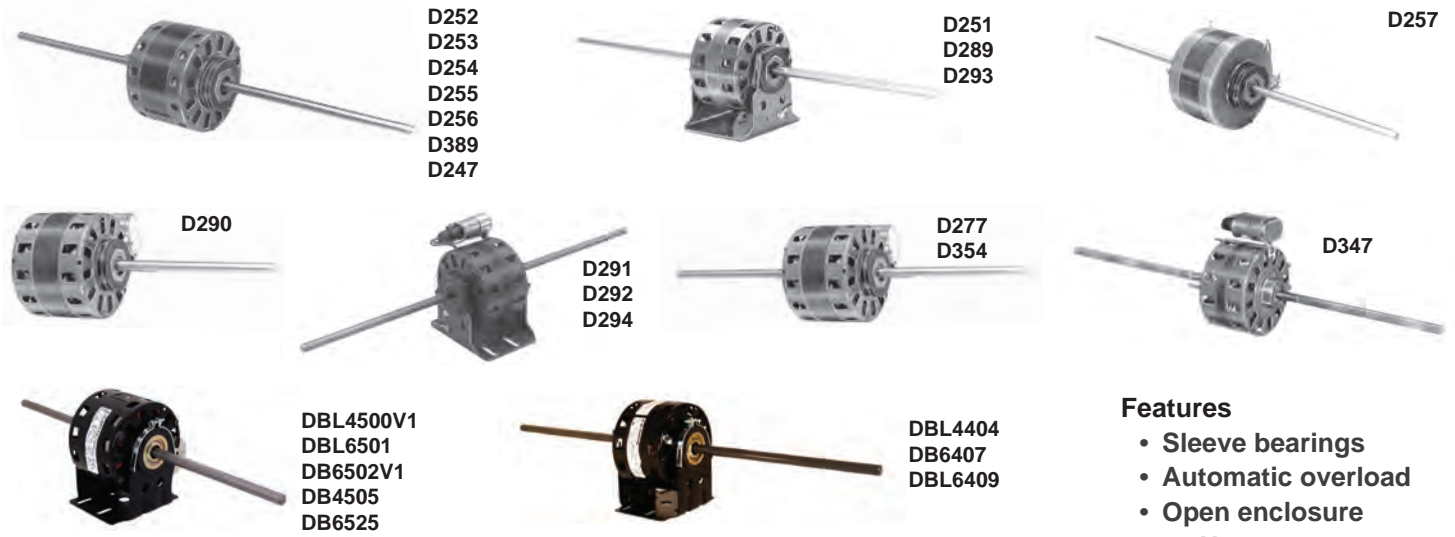
Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Mounting	Replaces	Notes
<b>Packard Shaded Pole</b>											
40089	1/10	115	1050	3.60	5	Double Shaft	10 5/8 x 1/2 x 10 5/8	3 3/8	Base		
40093	1/10	115	1050	3.60	5	Double Shaft	10 5/8 x 3/8 x 10 5/8	3 3/8	Base		
40320	1/10	208-230	1050	2.40	3	Double Shaft	10 5/8 x 1/2 x 10 5/8	3 3/8	Base		
40389	1/10	115	1050	3.60	5	Double Shaft	10 5/8 x 1/2 x 10 5/8	3 3/8	2 1/2 Rings		28
40347	1/8	115	1550	3.30	4	Double Shaft	10 x 1/2 x 10	4	Hex Hubs	Universal 347	9 28
<b>Packard PSC</b>											
82456	1/25	115	1075	0.80	5	CCWLE	10 5/8 x 1/2 x 10 5/8	3/3/8	Resilient Base	Trane	471

Notes: 9. No mounting rings

28. No base

471. Capacitor mounted on motor

## 42 Frame Fan Coil Motors



### Features

- Sleeve bearings
- Automatic overload
- Open enclosure
- 60 Hertz
- Single phase

Item ID	H.P.	Volts	RPM	Amps	Shaft Dimension (In.)	Length Less Shaft (In.)	Enclosure	Mounting	Notes
<b>Fasco Shaded Pole</b>									
D255	1/25-1/50-1/80	115	1050	1.50-1.00-0.60	7 1/2 x 1/2 x 7 1/2	3 1/4	Open	Resilient Rings	
D252	1/20-1/40-1/70	115	1050	1.60-0.80-0.50	7 1/2 x 3/8 x 7 1/2	2 5/8	Open	Resilient Rings	
D253	1/20-1/40-1/50	115	1050	2.20-1.40-0.80	7 1/2 x 1/2 x 7 1/2	2 5/8	Open	Resilient Rings	
D251	1/15-1/35-1/50	208-230	1050	1.20-0.50-0.40	9 1/4 x 1/2 x 8 1/2	2 5/8	Open	Resilient Base	34
D254	1/15-1/30-1/50	115	1050	2.10-1.30-0.80	8 x 3/8 x 8	3 1/4	Open	Resilient Rings	
D389	1/15-1/20-1/30-1/50	115	1050	2.40-1.60-1.10-0.80	10 1/4 x 1/2 x 10 1/4	3 1/8	Open	Resilient Rings	
D257	1/15-1/20-1/25	277	1050	1.10-0.70-0.60	9 x 1/2 x 9	3 1/4	Totally Enclosed	Resilient Rings	
D289	1/10-1/30-1/40-1/45-1/50	115	1050	3.60-1.60-1.20-0.80-0.60	10 3/4 x 1/2 x 10 3/4	3 1/4	Open	Resilient Base	34
D293	1/10-1/30-1/40-1/45-1/50	115	1050	3.60-1.60-1.20-0.80-0.60	10 3/4 x 3/8 x 10 3/4	3 1/4	Open	Resilient Base	34
D256	1/10-1/20-1/30	115	1050	3.40-1.70-1.00	8 x 1/2 x 8	3 7/8	Open	Resilient Rings	
<b>Fasco Permanent Split Capacitor</b>									
D294	1/10-1/20-1/25-1/35-1/50	115	1050	1.30-1.00-0.70-0.60-0.50	10 3/4 x 3/8 x 10 3/4	3 1/4	Open	Resilient Base	
D291	1/10-1/15-1/25-1/40	115	1050	2.20-1.40-1.00-0.70	10 3/4 x 1/2 x 10 3/4	3 1/4	Open	Resilient Base	514
D290	1/10-1/15-1/25-1/40	115	1050	2.20-1.40-1.00-0.70	1/2 x 8 1/2	3 1/4	Open	Resilient Rings	514 517
D292	1/10-1/15-1/25-1/35	208-230	1050	1.00-0.70-0.40-0.30	10 3/4 x 1/2 x 10 3/4	3 1/4	Open	Resilient Base	514
D277	1/10-1/12-1/20	277	1050	0.70-0.50-0.40	8 1/2 x 1/2 x 8 1/2	3 7/8	Open	Resilient Rings	514
D347	1/8-1/10-1/15-1/20	115	1550	2.30-1.50-1.10-1.70	10 1/2 x 1/2 x 10 1/2	3	Open	Resilient Rings	250 514
D354	1/6-1/10-1/20	115	1050	3.10-1.50-1.10	8 1/2 x 1/2 x 8 1/2	3 7/8	Open	Resilient Rings	514
D247	1/6-1/8-1/12	230	1550	1.00-0.70-0.50	8 x 1/2 x 8	3 7/8	Open	Resilient Rings	514
<b>Century Shaded Pole</b>									
DBL4404	1/10-1/15-1/20	115	1550	3.50	9 5/16 x 1/2 x 9 5/16	3 3/8	Open	Resilient Base	
DB6407	1/10-1/15-1/20-1/25	208-230	1050	1.60	9 5/16 x 1/2 x 9 5/16	3 3/8	Open	Resilient Base	
DBL6409	1/10-1/15-1/20-1/25-1/30	115	1050	3.50	10 5/16 x 1/2 x 10 5/16	3 3/8	Open	Resilient Base	
<b>Century Permanent Split Capacitor</b>									
DBL4500V1	1/10-1/12-1/15	115	1625	1.30-1.00-0.70	9 5/16 x 1/2 x 9 5/16	3 3/8	Open	Resilient Base	
DBL6501	1/10-1/12-1/15-1/20	115	1075	1.70	10 5/16 x 1/2 x 10 5/16	3 3/8	Open	Resilient Base	
DB6502V1	1/10-1/15-1/20-1/25	208-230	1075	0.70-0.50-0.40-0.30	9 5/16 x 1/2 x 9 5/16	3 3/8	Open	Resilient Base	
DB4505	1/5-1/10-1/20	230	1500	1.50	9 5/16 x 1/2 x 9 5/16	3 3/8	Open	Resilient Base	
DB6525	1/4-1/6-1/10	208-230	1075	2.00	10 x 1/2 x 10	4 1/16	Open	Resilient Base	

**Notes:**

34. 3 1/2" shaft height  
250. Mounting rings not included

514. 4M 370V capacitor included  
517. Electrically reversible

## MultiFit® Condenser Fan Motors



### Features

Replaces hundreds of 1/4 - 1/12 horsepower applications

- All angle mount
- Class B insulation
- Reversing plug
- Totally enclosed
- 36 inch leads
- 60°C ambient
- Single speed
- Multi-mounting system
- Double sealed ball bearings
- Energy efficient PSC design
- One simple connection eliminates the need to select various horsepower or change capacitor sizes

Item ID	H.P.	Volts	RPM	Amps	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Capacitor Required	Hertz	Replaces
<b>Century</b>										
9722	1/8	208-230	1075	0.90	1/2 x 3	4	Ball	5MFD/370V	60	GE 2243 GE 2248 GE 2249 GE 2251
	1/10		1135	0.60						
	1/12		1155	0.50						
9723	1/4	208-230	1075	2.00	1/2 x 3	4 1/2	Ball	7.5MFD/370V	60	GE 2244 GE 2245 GE 2246 GE 2247 GE 2250
	1/5		1145	1.20						
	1/6		1165	1.00						
9724	1/4	208-230	1625	1.60	1/2 x 3	4 1/2	Ball	5MFD/370V	60	
	1/5		1715	1.00						
	1/6		1759	0.70						

## 5 Inch Diameter Unit Heater Motors



### Features

- U6520 and U6521 have capacitor mounted on motors
- Permanent split capacitor and shaded pole
- Automatic overload
- Sleeve bearings
- Totally enclosed
- 60 Hertz
- Single phase

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Mounting	Notes
<b>Century</b>											
U6520	1/8	115	1075	2.60	1	Reversible	1/2 x 3	3 7/8	PSC	Resilient Rings	201 504
U6521	1/8	115	1075	2.60	1	Reversible	1/2 x 2 7/8	3 7/8	PSC	Resilient Base	201 504 505
U6432	1/15	115	1050	3.30	1	CWSE	1/2 x 2 5/8	3 5/8	Shaded Pole	Resilient Base	555
U6433	1/15	115	1050	3.30	1	CWSE	1/2 x 2 7/8	3 5/8	Shaded Pole	Stud	
<b>Packard</b>											
70222	1/40	115	1050	1.60	1	CWSE	1/2 x 2 1/2	2 5/8	Shaded Pole	Stud	9
70385	1/40	115	1050	1.60	1	CWSE	1/2 x 2 1/2	2 3/4	Shaded Pole	Stud and Mounting Rings	
70224	1/20	115	1050	2.30	1	CWSE	1/2 x 3	3 7/8	Shaded Pole	Stud	9
40387	1/15	115	1050	3.30	1	CWSE	1/2 x 2 5/8	3 5/8	Shaded Pole	Stud and Mounting Rings	
40386	1/8	115	1050	5.50	1	CWSE	1/2 x 3 3/8	3 7/8	Shaded Pole	Stud and Mounting Rings	

#### Notes:

9. No mounting rings  
201. 3 thru bolts, 4.42 dia. bolt circle

504. 60" leads  
505. 2.6" shaft height

555. 3.5" shaft height



## 5 5/8 Inch Diameter Unit Heater Motors



### Features

- Permanent split capacitor
- Continuous duty air over
- Ball bearing
- Class B insulation
- Single phase
- Includes capacitor mounted on motor
- Horizontal or vertical mounting
- Dual bolt circle applications, 30-60 degree and 45 degree
- Automatic overload
- UL recognized
- Mounting clamps included

### Replaces

Brownell MTG3206	Packard 70066
Emerson 9034	Reznor 55682
GE 3206	Rotom R12834
Marathon X302	Trane MOT6195

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearing	Enclosure	Mounting	Hertz	Overload	Frame
<b>Packard</b>															
40066	1/6	115	1075	2.40	1	Reversible	1/2 x 3 3/8	4 1/2	PSC	Ball	Totally Enclosed	Stud & Resilient	60	Automatic	48



### Features

- Permanent split capacitor
- Totally enclosed
- Automatic overload
- 60 Hertz
- Single phase

Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Frame	Mounting	Notes
<b>Century</b>												
US1016NB	1/6	115	1075	2.80	Reversible	1/2 x 3	4 3/8	PSC	Sleeve	48	Stud	28 210 411 504
UH1016	1/6	115	1075	2.20	Reversible	1/2 x 3 1/4	4 1/4	PSC	Ball	48	Resilient Base	27 208 411 504
US1016	1/6	115	1075	2.80	Reversible	1/2 x 2 1/2	4 3/8	PSC	Sleeve	48	Resilient Base	27 210 411 504
UH1026	1/4	115	1075	4.90	Reversible	1/2 x 2 1/2	4 3/8	PSC	Ball	48	Resilient Base	27 210 411 504
US1026	1/4	115	1075	4.90	Reversible	1/2 x 2 1/2	4 3/8	PSC	Sleeve	48	Resilient Base	27 210 411
US1026NB	1/4	115	1075	4.90	Reversible	1/2 x 2 1/2	4 3/8	PSC	Sleeve	48	Stud	28 210 411 504
US1036	1/3	115	1075	5.30	Reversible	1/2 x 3	4 5/8	PSC	Sleeve	48	Resilient Base	210 411 504
US1036NB	1/3	115	1075	5.30	Reversible	1/2 x 3	4 5/8	PSC	Sleeve	48	Stud	28 210 411
UH1036	1/3	115	1075	5.30	Reversible	1/2 x 3	4 5/8	PSC	Ball	48	Resilient Base	210 411 504

### Fasco

D732	1/3	115	1075	4.10	Reversible	1/2 x 5	4 3/4	PSC	Ball	48	Resilient Mount	135 150 151 517
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Notes:

27. Has a 3" shaft height	151. Ideal for unit heaters	504. 60° leads
28. No base	208. 60° C ambient	517. Electrically reversible
135. All angle mount bearings	210. 40° C ambient	
150. Capacitor and base are included	411. 4 thru bolts and 4 dummy studs on a 5.15" diameter bolt circle	

## 5 Inch Diameter Shaded Pole Direct Drive Blower Motors



### Features

- Shaded pole
- CWSE rotation
- Automatic overload
- 42 Frame
- 60 Hertz
- Single phase

Item ID	H.P.	Volts	RPM	Amps	Speeds	Shaft Dim. (In.)	Length Less Shaft (In.)	Type	Bearings	Enclosure	Mounting	Replaces
<b>Packard</b>												
NEW 40140	1/15	115	1050	2.7	1	3/8 x 2 3/8	2 5/8	SP	Sleeve	Open	Stud	
NEW 40096	1/15-1/30	115	1050	2.65	2	3/8 x 2 3/8	2 5/8	SP	Sleeve	Open	Stud	
NEW 40180	1/8-1/11	115	1050	4.5-3.4	2	1/2 x 4	3 3/16	SP	Sleeve	Open	Belly Band	Coleman
NEW 40317	1/8-1/10	230	1050	2.1-1.8	2	1/2 x 3 1/2	3 3/16	SP	Sleeve	Open	Resilient Hub/ Stud	
40099	1/8-1/10-1/12	115	1050	4.30-3.5-3.0	3	1/2 x 3 1/2	4.19	SP	Sleeve	Open	Stud	GE 3541 GE 3931 Magnetek 98
40318	1/6	208-230	1050	3.10-2.20	2	1/2 x 3 1/2	4.00	SP	Sleeve	Open	Belly Band	Trane MOT-6139
40166	1/6	115	1050	6.60	2	1/2 x 4 1/2	3 7/8	SP	Sleeve	Open	Resilient Rings	
40849	1/6	115	1050	5.50	1	1/2 x 3 3/4	3 7/8	SP	Sleeve	Open	Resilient Rings	
40850	1/5	115	1050	6.50	1	1/2 x 5 1/2	3 3/8	SP	Sleeve	Open	Resilient Rings	
40851	1/5	115	1050	6.30	2	1/2 x 4 1/4	3 7/8	SP	Sleeve	Open	Resilient Rings	
40852	1/5	115	1050	7.3-4.8-3.8	3	1/2 x 5	3 7/8	SP	Sleeve	Open	Resilient Rings	
40853	1/5	208-230	1050	3.20	3	1/2 x 5 1/2	3 7/8	SP	Sleeve	Open	Resilient Rings	



### Features

- Shaded pole
- 1050 RPM
- Automatic overload
- Single phase
- 60 Hertz

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	ENCL.	Bearings	Mounting	Notes
<b>Fasco Shaded Pole</b>												
NEW D340	1/40	115	1050	1.1	1	CWSE	3/8 x 2 5/8	2 5/8	TE	Sleeve	Stud	
NEW D143	1/30-1/40	115	1050	1.5-1	2	CCWSE	1/2 x 1 5/8	2 1/4	Open	Sleeve	Belly Band	
NEW D176	1/10-1/20	115	1050	3.9 - 1.7	2	CWSE	3/8 x 3	2 5/8	Open	Sleeve	Resilient Rings	
D156	1/6	115	1050	6.60	1	CWSE	1/2 x 3 7/8	3 7/8	Open	Sleeve	Resilient Rings	
D166	1/6-1/9	115	1050	7.20	2	CWSE	1/2 x 3 1/2	3 7/8	Open	Sleeve	Resilient Rings	
D318	1/6-1/8	230	1050	3.10	2	CWSE	1/2 x 3 1/2	4	Open	Sleeve	Stud	9
D158	1/5-1/6-1/7	115	1050	6.70	3	CWSE	1/2 x 4 1/8	3 7/8	Open	Sleeve	Resilient Rings	
D180	1/8	115	1050	4.50	2	CWSE	1/2 x 4	3 1/4	Open	Sleeve	Resilient Rings	9 19 20

#### Notes:

9. No mounting rings

19. Drilled and tapped for Coleman mounting

20. For International Oil Burner Co.

## 42 Frame Direct Drive Blower Motors



D356



D156  
D318  
D158



D150  
D151  
D152

### Features

- Shaded pole or permanent split capacitor
- Sleeve bearings
- Open enclosure
- Automatic overload
- Single phase
- 60 Hertz

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Mounting	Notes
<b>Fasco Shaded Pole</b>												
D356	1/8-1/10-1/12	115	1050	4.70-3.70-3.20	3	CWSE	1/2 X 3 1/2	3 1/8	SP	Sleeve	Stud	
D156	1/6	115	1050	6.60	1	CWSE	1/2 x 3 7/8	3 7/8	SP	Sleeve	Resilient Rings	
D318	1/6-1/8	230	1050	3.10	2	CWSE	1/2 x 3 1/2	4	SP	Sleeve	Stud	9
D158	1/5-1/6-1/7	115	1050	6.70	3	CWSE	1/2 x 4 1/8	3 7/8	SP	Sleeve	Resilient Rings	
<b>Fasco Permanent Split Capacitor</b>												
D151	1/4-1/5-1/6	230	1050	2.00-1.40-1.10	3	Reversible	1/2 x 6	4 1/8	PSC	Sleeve	Stud	
D150	1/4-1/5-1/6	115	1050	4.10-3.20-2.50	3	Reversible	1/2 x 6	4 1/8	PSC	Sleeve	Stud	
D152	1/4-1/5-1/6-1/8	277	1050	1.50-1.10-0.80-0.70	4	Reversible	1/2 x 6	4 1/8	PSC	Sleeve	Stud	

### Notes:

9. No mounting rings



BL6407  
BL6408  
BL6409



B6415 BL6414  
BL6410 BL6416  
BL6412 BL6420  
BL6413



9640



B6507



B6520



### Features

- 42 Frame
- 60 Hertz
- Open enclosure
- Single phase
- Automatic overload

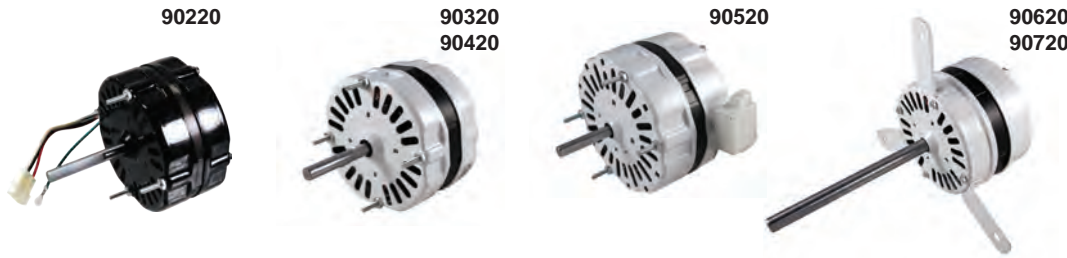
Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dim. (In.)	Length Less Shaft (In.)	Bearings	Type	Mounting	Notes
<b>Century</b>												
BL6409	1/12	115	1050	3.10	1	CCWLE	1/2 x 3	3 7/8	Sleeve	SP	Resilient Rings	
BL6408	1/10	115	1050	3.90	1	CCWLE	1/2 x 3	3 7/8	Sleeve	SP	Resilient Rings	
BL6410	1/8	115	1050	5.20	1	CWSE	1/2 x 5 1/2	3 3/8	Sleeve	SP	Resilient Rings	187 201 205
BL6407	1/6	115	1000	7.80	1	CCWLE	1/2 x 3	3 7/8	Sleeve	SP	Resilient Rings	
BL6412	1/6	115	1050	5.50	1	CWSE	1/2 x 3 5/8	3 7/8	Sleeve	SP	Resilient Rings	187 201 205
9640	1/6	115	1550	6.40	1	CWLE	1/2 x 3 5/16	4	Sleeve	SP	Resilient Base	256
BL6420	1/6-1/9	115	1050	5.60	2	CWSE	1/2 x 4 1/2	3 7/8	Sleeve	SP	Resilient Rings	187 201 205
BL6413	1/5	115	1050	6.00	1	CWSE	1/2 x 5 1/2	3 3/8	Sleeve	SP	Resilient Rings	187 201 205
B6415	1/5-1/8-1/10	208-230	1050	3.20	3	CWSE	1/2 x 5 1/2	3 7/8	Sleeve	SP	Resilient Rings	187 201 205
BL6414	1/5-1/8-1/10	115	1050	6.50	3	CWSE	1/2 x 5 1/2	3 7/8	Sleeve	SP	Resilient Rings	187 201 205
BL6416	1/5-1/8-1/10-1/15	115	1050	7.10	4	CWSE	1/2 x 2 5/8	3 7/8	Sleeve	SP	Resilient Rings	187 201 205
<b>NEW</b> B6507	1/5-1/6-1/10	230	1075	1.3-.9-.7	3	Rev.	1/2 x 3	3.5	Sleeve	PSC	Resilient Rings	187 201 205
<b>NEW</b> B6520	1/4-1/5-1/6	230	1075	2.0	3	Rev.	1/2 x 4 5/8	4 1/16	Sleeve	PSC	Resilient Rings	201

### Notes:

187. Resilient mounting rings included  
201. 3 thru bolts, 4.42 dia. bolt circle

205. Extended thru bolts, shaft end only  
256. Includes base

## Direct Replacements For Loren Cook's Gemini Motors



- Features**
- Permanently lubricated sealed sleeve bearings
  - Open enclosure
  - Automatic overload
  - 60 Hertz

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Diameter (In.)	Mounting	Replaces
<b>Packard</b>												
90220	1/114	115	1500	0.75	2	CW	3/8 x 2 3/4	2 3/8	Shaded Pole	4.4	Thru Bolt	Gemini Loren Cook 220/240
90320	1/16	115	1550	2.20	2	CW	3/8 x 2 1/2	2 5/8	Shaded Pole	4.4	Thru Bolt	Gemini Loren Cook 320/340
90420	1/23	115	1500	1.50	1	CW	3/8 x 2 3/4	2 5/8	Shaded Pole	4.4	Thru Bolt	Gemini Loren Cook 420
90520	1/16	115	1200	1.50	1	CW	3/8 x 2 1/4	3	PSC Cap Included	5.12	Thru Bolt	Gemini Loren Cook 520
90620	1/11	115	1500	4.60	2	CW	1/2 x 6 1/4	3	Shaded Pole	4.4	Lug Mount	Gemini Loren Cook 620/640
90720	1/4	115	1625	3.90	2	CW	1/2 x 6 1/4	3 3/8	PSC Cap Included	5.12	Lug Mount	Gemini Loren Cook 720/740

## Direct Replacements For Broan / Lomanco / Greenheck



- Features**
- Open enclosure
  - Automatic overload
  - 60 Hertz
  - 42 Frame
  - Single phase

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Mounting	Replaces
<b>Packard</b>												
69316	—	115	1100	3.40	1	CWSE	1/2 x 3 1/16	2 5/8	SP	Sleeve	Stud	Broan 97009316
69317	—	115	1100	4.30	1	CWSE	1/2 x 2 5/8	2 1/4	SP	Sleeve	Stud	Broan 97009317 Broan 99080267
70059	1/10	115	1100	3.40	1	CWSE	1/2 x 1 5/8	2 1/4	SP	Sleeve	Lug	Lomanco AO510B2497 Lomanco AO416B2059 Lomanco AO510B2389
90318	1/8	115	1550/1300/1050	2.60	3	CCWSE	1/2 x 2 3/4	3 5/8	PSC Cap Included	Ball	Thru Bolt	Greenheck 308318

## Direct Replacement For L.L. Building Products



- Features**
- Open enclosure
  - Automatic overload
  - 60 Hertz
  - Single phase
  - Direct replacements for Leslie Locke

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Diameter (In.)	Capacitor Included	Replaces
<b>Packard</b>												
99320	—	120	900	3.40	1	CWSE	1/2 x 2.05	2.25	SP	5.12	—	L.L. Building V909320
99319	1/4	120	1050	3.30	1	CWSE	1/2 x 2.30	3.33	PSC	5.12	10MFD/ 250V	L.L. Building V909319
99321	1/5	120	1050	3.30	1	CWSE	1/2 x 2.30	3.33	PSC	5.12	10MFD/250V	L.L. Building V909321 L.L. Building V909337
99371	1/7	120	1050	2.80	1	CWSE	1/2 x 2.30	3.08	PSC	5.12	8MFD/250V	L.L. Building V909371 L.L. Building V909336

## Permanent Split Capacitor Condenser Fan Motors



### Features

- Permanent split capacitor
- Single speed
- Reversible rotation
- Totally enclosed
- Automatic overload
- 48 Frame
- 60 Hertz
- Single phase
- Rheem Mounting

Item ID	H.P.	Volts	RPM	Amps	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Capacitor Required	Replaces	Notes
<b>Century</b>										
FSE1016SV1	1/6	208-230	1075	0.90	1/2 x 6 1/2	4	Sleeve	5MFD/370V		189 422
FSE1026SV1	1/4	208-230	1075	2.00	1/2 x 6 1/2	4 3/8	Sleeve	5MFD/370V		189 422
FE1026SC	1/4	208-230	1075	1.30	1/2 x 6	4 5/8	Ball	5MFD/370V		189 246
FSE1036SV1	1/3	208-230	1075	1.80	1/2 x 6 1/2	4 7/8	Sleeve	7.5MFD/370V		189 422
FE1036SC	1/3	208-230	1075	1.80	1/2 x 6	5 1/4	Ball	7.5MFD/370V		189
FSE1056SV1	1/2	208-230	1075	2.80	1/2 x 6 1/2	5 3/8	Sleeve	10MFD/370V		189 422
FE1056SC	1/2	208-230	1075	2.80	1/2 x 6	5 5/8	Ball	10MFD/370V		189
FSE1076SV1	3/4	208-230	1075	4.20	1/2 x 6 1/2	5 5/8	Sleeve	15MFD/370V		189 422
<b>Fasco</b>										
D799	1/8	208-230	825	0.90	1/2 x 6	4	Sleeve	5MFD/370V		126 138 208 517
D919	1/8	208-230	1075	0.90	1/2 x 6 1/2	3 3/4	Sleeve	5MFD/370V		126 135 208 517
D917	1/6	208-230	1075	1.00	1/2 x 6 1/2	3 3/4	Sleeve	5MFD/370V		126 135 208 517
D794	1/5	208-230	825	1.30	1/2 x 6	4 1/3	Sleeve	5MFD/370V		126 138 208 517
D906	1/5	208-230	1075	1.20	1/2 x 6 1/2	4	Sleeve	5MFD/370V		126 135 208 517
D934	1/4	208-230	825	1.90	1/2 x 6	4 1/3	Sleeve	5MFD/370V		126 138 208 517
D909	1/4	208-230	1075	1.80	1/2 x 6 1/2	4	Sleeve	5MFD/370V		126 135 208 517
D7909	1/4	208-230	1075	1.80	1/2 x 6 1/2	4	Ball	5MFD/370V		126 135 208 517
D936	1/3	208-230	825	2.00	1/2 x 6	5	Sleeve	7.5MFD/370V		138 208 517
D908	1/3	208-230	1075	2.40	1/2 x 6 1/2	4 1/2	Sleeve	7.5MFD/370V		126 135 208 517
D7908	1/3	208-230	1075	2.60	1/2 x 6 1/2	4 1/2	Ball	7.5MFD/370V		126 135 208 517
D907	1/2	208-230	1075	3.70	1/2 x 6 1/2	4 3/4	Sleeve	10MFD/370V		135 208 517
D7907	1/2	208-230	1075	3.70	1/2 x 6 1/2	5	Ball	10MFD/370V		135 208 517
D933	3/4	208-230	1075	5.00	1/2 x 6 1/2	5 3/4	Sleeve	15MFD/370V		135 141 208 517
D931	3/4	208-230	1075	4.50	1/2 x 6 1/2	5 1/4	Ball	15MFD/370V		135 208 517
<b>Packard</b>										
80825	1/8	208-230	825	1.00	1/2 x 6 1/2	3 7/8	Ball	5MFD/370V	Emerson 1872	126
43727B	1/6	208-230	1075	1.0-1.1	1/2 x 6 1/2	3 7/8	Ball	5MFD/370V	Emerson 1859	126
60825	1/6	208-230	825	1.0-1.1	1/2 x 6 1/2	4 1/8	Ball	5MFD/370V	Emerson 1873	126
40825	1/4	208-230	825	1.3-1.4	1/2 x 6 1/2	4 5/8	Ball	5MFD/370V	Emerson 1874	126
43732	1/4	208-230	1075	1.8-2.0	1/2 x 6 1/2	4 1/8	Ball	5MFD/370V	Emerson 1860 & 1876	126
30825	1/3	208-230	825	1.6-1.8	1/2 x 6 1/2	5 1/8	Ball	7.5MFD/370V	Emerson 1875	126
43733	1/3	208-230	1075	2.2-2.5	1/2 x 6 1/2	4 5/8	Ball	7.5MFD/370V	Emerson 1861 & 1877	126
43734	1/2	208-230	1075	3.0-3.5	1/2 x 6 1/2	5 1/8	Ball	10MFD/370V	Emerson 1862 & 1878	126
43735	3/4	208-230	1075	4.6-5.3	1/2 x 6 1/2	5 3/8	Ball	10MFD/370V	Emerson 1868 & 1879	126

#### Notes:

126. 4 drilled and tapped holes in shell for Rheem applications  
 135. All angle mount bearings  
 138. All angle mount bearings. Use rain shield when necessary

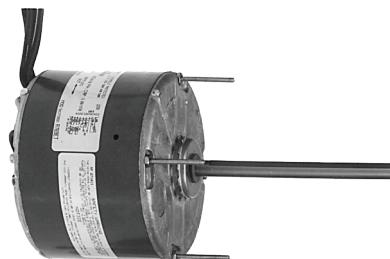
141. Motor has increased stack for higher ambient temperatures  
 189. Reversing plug  
 208. 60°C ambient  
 246. No hubs on either end

422. 1/2" hub on shaft end frame with slinger. Grommet on lead exits.  
 517. Electrically reversible

## Condenser Fan Motors



Shaft Up or Down Application



Shaft Up or Horizontal Application

### Applications

- Designed for condenser fan and heat pump units requiring vertical shaft up or vertical shaft down positioning with “belly band” or extended clamp screw mounting.

### Features

- Permanent split capacitor
- Standard efficiency designs
- Sleeve or ball bearings
- Designed for 370 Volt capacitor, not included
- Mounting holes in shell for capacitor bracket
- Water slinger on shaft
- 26 inch motor leads
- Single phase
- 48 Frame

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Notes
<b>genteq - Shaft Up or Down Application</b>									
3201	1/10	208-230	825	0.80	1	Reversible	PSC	Ball	1, 5
3202	1/8	208-230	825	1.10	1	Reversible	PSC	Ball	1, 5
3727	1/6	208-230	1075	1.00	1	Reversible	PSC	Sleeve	
3203	1/6	208-230	825	1.00	1	Reversible	PSC	Ball	
3403	1/6	208-230	825	1.00	1	Reversible	PSC	Sleeve	
3728	1/4	208-230	1075	1.80	1	Reversible	PSC	Sleeve	1
3732	1/4	208-230	1075	1.80	1	Reversible	PSC	Ball	2
3204	1/4	208-230	825	1.50	1	Reversible	PSC	Ball	
3404	1/4	208-230	825	1.50	1	Reversible	PSC	Sleeve	
3729	1/3	208-230	1075	2.30	1	Reversible	PSC	Sleeve	1, 4
3733	1/3	208-230	1075	2.30	1	Reversible	PSC	Ball	1
3205	1/3	208-230	825	2.20	1	Reversible	PSC	Ball	
3405	1/3	208-230	825	2.20	1	Reversible	PSC	Sleeve	
3730	1/2	208-230	1075	3.50	1	Reversible	PSC	Sleeve	1
3734	1/2	208-230	1075	3.50	1	Reversible	PSC	Ball	
3731	3/4	208-230	1075	4.70	1	Reversible	PSC	Sleeve	
3735	3/4	208-230	1075	4.70	1	Reversible	PSC	Ball	
<b>genteq - Shaft Up or Horizontal Application</b>									
3327	1/6	208-230	1075	0.90	1	Reversible	PSC	Sleeve	1, 3, 6
3328	1/4	208-230	1075	1.80	1	Reversible	PSC	Sleeve	1, 3
3329	1/3	208-230	1075	2.40	1	Reversible	PSC	Sleeve	1, 3, 6
3330	1/2	208-230	1075	3.60	1	Reversible	PSC	Sleeve	1, 3, 6
3331	3/4	208-230	1075	5.10	1	Reversible	PSC	Sleeve	3, 6

**Notes:**

1. Designed for 60°C ambient  
2. Designed for 65°C ambient

3. Opposite shaft-end endshield is open  
4. TENV construction

5. Designed for 50 or 60 Hertz operation  
6. 6" shaft extension with two flats 90° apart

## HeatMaster® Condenser Fan Motor



### Features

- 70°C (158°F) max ambient
- UL/CSA approved Class F insulation
- High-temperature UL/CSA approved overload protector
- Energy-efficient PSC design
- All-angle mount
- Mounts by belly band, adjustable extended thru-bolts, or Rheem mounting holes, with screws supplied
- Lead length 26 to 48 inch
- Water-resistant reversing plug
- Double sealed ball bearing, or dependable all-angle sleeve bearings
- 60 Hertz
- 48 Frame
- Class F insulation
- Totally enclosed
- Single speed
- Continuous duty, air over
- UL and CSA recognized

Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Capacitor Required	Replaces
<b>Century 825 RPM Sleeve Bearing</b>										
FSE1008SF	1/8	208-230	825	1.00	Reversible	1/2 x 6 1/2	4 1/4	Sleeve	5MFD/370V	Emerson 1872
FSE1018SF	1/6	208-230	825	1.10	Reversible	1/2 x 6 1/2	4 1/8	Sleeve	5MFD/370V	Emerson 1873 GE 3403
FSE1028SF	1/4	208-230	825	1.50	Reversible	1/2 x 6 1/2	4 5/8	Sleeve	5MFD/370V	Emerson 1874 GE 3404
FSE1038SF	1/3	208-230	825	2.10	Reversible	1/2 x 6 1/2	5 1/8	Sleeve	7.5MFD/370V	Emerson 1875 GE 3405
FSE1058SF	1/2	208-230	825	2.50	Reversible	1/2 x 6 1/2	5 5/8	Sleeve	10MFD/370V	Emerson 1870
<b>Century 825 RPM Ball Bearing</b>										
FE1008SF	1/8	208-230	825	1.00	Reversible	1/2 x 6 1/2	4 1/4	Ball	5MFD/370V	GE 3202
FE1018SF	1/6	208-230	825	1.10	Reversible	1/2 x 6 1/2	4 1/8	Ball	5MFD/370V	GE 3203
FE1028SF	1/4	208-230	825	1.50	Reversible	1/2 x 6 1/2	4 5/8	Ball	5MFD/370V	GE 3204
FE1038SF	1/3	208-230	825	2.10	Reversible	1/2 x 6 1/2	5 1/8	Ball	7.5MFD/370V	GE 3205
FE1058SF	1/2	208-230	825	2.50	Reversible	1/2 x 6 1/2	5 5/8	Ball	10MFD/370V	
<b>Century 1075 RPM Sleeve Bearing</b>										
FSE1016SF	1/6	208-230	1075	1.40	Reversible	1/2 x 6 1/2	4	Sleeve	5MFD/370V	Emerson 1859 GE 3727
FSE1026SF	1/4	208-230	1075	2.00	Reversible	1/2 x 6 1/2	4 3/8	Sleeve	5MFD/370V	Emerson 1860 GE 3728
FSE1036SF	1/3	208-230	1075	2.80	Reversible	1/2 x 6 1/2	4 7/8	Sleeve	7.5MFD/370V	Emerson 1861 GE 3729
FSE1056SF	1/2	208-230	1075	4.00	Reversible	1/2 x 6 1/2	5 3/8	Sleeve	10MFD/370V	Emerson 1862 GE 3730
FSE1076SF	3/4	208-230	1075	5.10	Reversible	1/2 x 6 1/2	5 5/8	Sleeve	15MFD/370V	Emerson 1868 GE 3731
<b>Century 1075 RPM Ball Bearing</b>										
FE1016SF	1/6	208-230	1075	1.40	Reversible	1/2 x 6 1/2	4	Ball	5MFD/370V	
FE1026SF	1/4	208-230	1075	2.00	Reversible	1/2 x 6 1/2	4 3/8	Ball	5MFD/370V	Emerson 1876 GE 3732
FE1036SF	1/3	208-230	1075	2.80	Reversible	1/2 x 6 1/2	4 7/8	Ball	7.5MFD/370V	Emerson 1877 GE 3733
FE1056SF	1/2	208-230	1075	4.00	Reversible	1/2 x 6 1/2	5 3/8	Ball	10MFD/370V	Emerson 1878 GE 3734
FE1076SF	3/4	208-230	1075	5.10	Reversible	1/2 x 6 1/2	5 5/8	Ball	15MFD/370V	Emerson 1879 GE 3735

## Vulcan High Temperature Outdoor Condenser Fan Motors



### Features

- Class F Insulation
- 70°C Ambient
- Ball Bearing
- Single Speed
- Drilled and tapped holes in the shell for Rheem mounting
- Reversible
- All Angle Mounting
- Extended Thru Bolts
- 36" Leads
- Energy Efficient PSC Design

Item ID	H.P.	Volts	RPM	Amps	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Capacitor Required	Replaces
<b>Packard</b>									
60825F	1/6	208-230	825	1.0-1.1	1/2 x 6 1/2	4 1/8	Ball	5MFD/370V	20403, Rheem 51-20760-11 US Motors 1873H
40825F	1/4	208-230	825	1.3-1.4	1/2 x 6 1/2	4 5/8	Ball	5MFD/370V	20404, Rheem 51-23054-13 US Motors 1874H
30825F	1/3	208-230	825	1.6-1.8	1/2 x 6 1/2	5 1/8	Ball	7.5MFD/370V	20405, Rheem 51-21853-83, US Motors 1875H
43727BF	1/6	208-230	1075	1.0-1.1	1/2 x 6 1/2	3 7/8	Ball	5MFD/370V	20727, Rheem 51-21854-17, US Motors 1859H
43732F	1/4	208-230	1075	1.8-2.0	1/2 x 6 1/2	4 1/8	Ball	5MFD/370V	20728, Rheem 51-23054-11, US Motors 1860H
43733F	1/3	208-230	1075	2.2-2.5	1/2 x 6 1/2	4 5/8	Ball	7.5MFD/370V	20729, Rheem 51-21583-21, US Motors 1861H
43734F	1/2	208-230	1075	3.0-3.5	1/2 x 6 1/2	5 1/8	Ball	10MFD/370V	20730, US Motors 1862H
43735F	3/4	208-230	1075	4.6-5.3	1/2 x 6 1/2	5 3/8	Ball	10MFD/370V	20731, US Motors 1868H

## Vulcan High Temperature Multi-Horsepower Condenser Fan Motors



### Features

Replaces Rheem and Hundreds of Other Condenser Motors!

- Permanent split capacitor
- UL and CSA approved
- Mounts by belly band, thru bolts or Rheem mounting holes with screws
- Single speed
- Totally enclosed
- Single phase
- 48 Frame
- 60 Hertz
- Ball bearings
- Electrically reversible
- All angle mounting
- Automatic overload
- 70°C Ambient

Item ID	H.P.	Volts	RPM	Amps	Shaft Dimension (In.)	Length Less Shaft (In.)	Frame	Bearings	Rotation
45458BF	1/3-1/4-1/5-1/6	208-230	1075	1.8-2.0	1/2 x 6 1/2	4 1/8	48	Ball	Reversible
45488BF	1/4-1/5-1/6-1/8	208-230	825	1.8-2.0	1/2 x 6 1/2	4 1/8	48	Ball	Reversible



## MasterFit® Pro Outdoor Condenser Fan Motors



### Features

- All purpose, multi-rating
- Permanent split capacitor
- Extended thru bolts
- Rheem mounting holes in shells
- 4 end frame mounting holes for Trane
- Class F insulation
- Energy efficient
- Ball bearing
- Reversible
- Totally enclosed
- 60 Hertz
- 70°C ambient
- 2 Speed

Item ID	H.P.	Volts	RPM	Amps	Speed to Use	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Frame	Capacitor @ 208V	Capacitor @ 230V	Replaces
<b>Century</b>												
FE6001F	1/3	208-230	825	1.90	High	Reversible	1/2 x 6 1/2	5 1/4	48Y	10MFD/370V	7.5MFD/370V	Emerson 5464
	1/4			1.50	High							
	1/5			1.20	Low							
	1/6			1.00	Low							
FE6000F	1/3	208-230	1075	2.60	High	Reversible	1/2 x 6 1/2	4 7/8	48Y	7.5MFD/370V	5MFD/370V	Emerson 5462
	1/4			2.50	High							
	1/5			2.00	Low							
	1/6			1.80	Low							
FE6002F	1/2	208-230	1075	3.90	High	Reversible	1/2 x 6 1/2	5 3/8	48Y	12.5MFD/370V	10MFD/370V	Emerson 5465
	1/3			2.20	High							
	1/4			1.60	Low							
	1/5			1.30	Low							

## 5 5/8 Inch Diameter Multi-Horsepower Condenser Fan Motors



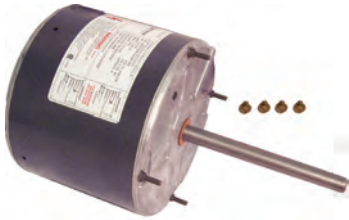
### Features

Replaces Rheem and Hundreds of Other Condenser Motors!

- Permanent split capacitor
- UL and CSA approved
- Mounts by belly band, thru bolts or Rheem mounting holes with screws
- Single speed
- Totally enclosed
- Single phase
- 48 Frame
- 60 Hertz
- Ball bearings
- Electrically reversible
- All angle mounting
- Automatic overload

Item ID	H.P.	Volts	RPM	Amps	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Replaces
<b>Packard</b>								
45488B	1/4-1/5-1/6-1/8	208-230	825	1.8-2.0	1/2 x 6 1/2	4 1/8	Ball	Emerson 5464 Rheem 51-20760-11 Rheem 51-21276-01 Rheem 51-23054-13 Rheem 51-23055-12
45458B	1/3-1/4-1/5-1/6	208-230	1075	1.8-2.0	1/2 x 6 1/2	4 1/8	Ball	Emerson 5458 Emerson 5462 Rheem 51-20354-11 Rheem 51-20668-11 Rheem 51-23053-11 Rheem 51-23055-11

## Life-Line Multi-Horsepower Motors



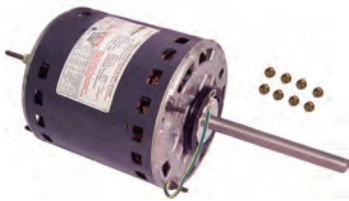
### Applications

- Designed for condenser fan and heat pump units requiring vertical shaft up or vertical shaft down positioning with “belly band” or extended clamp screw mounting.

### Features

- Ball bearings
- Water slinger on shaft
- Class B insulation
- Single phase
- Automatic overload
- Permanent split capacitor
- Designed for 370 Volt capacitor, not included
- Different capacitor/speed combinations to fit various HP applications
- Holes in motor shell for mounting brackets
- Extended clampbolts or studs for mounting

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Base
<b>genteq</b>									
3465	1/3-1/6	208-230	1075	2.60	2	Reversible	PSC	Ball	NB
3458	1/3-1/6	208-230	1075	2.80	1	Reversible	PSC	Ball	NB
3469	1/3-1/6	208-230	825	1.90	2	Reversible	PSC	Ball	NB
3459	1/3-1/8	208-230	825	2.40	1	Reversible	PSC	Ball	NB
3468	1/2-1/5	208-230	1075	3.00	2	Reversible	PSC	Ball	NB



### Applications

- Designed for continuous air over applications, such as direct drive residential, commercial and industrial air conditioners, fan and blowers.

### Features

- Permanent split capacitor
- Ball and sleeve bearings
- Class B insulation
- Single phase
- Automatic overload
- Different capacitor/speed combinations to fit various HP applications
- Holes in motor shell for mounting brackets
- Extended clamp screws and resilient rings to fit multiple mounting requirements

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Base
<b>genteq - Shaft Up or Horizontal Application</b>									
3463	1/2-1/6	115	1075	6.20	4	Reversible	PSC	Sleeve	2RR
3464	1/2-1/6	208-230	1075	2.70	4	Reversible	PSC	Sleeve	2RR
3466	3/4-1/5	115	1075	8.40	4	Reversible	PSC	Ball	2RR
3467	3/4-1/5	208-230	1075	4.20	4	Reversible	PSC	Ball	2RR

## Capacitor/Speed Selection Guide

Item ID	H.P.	Speeds to Use	Capacitor @ 208V	Capacitor @ 230V	Amps
3465	1/3	Hi	7.5/370	5/370	2.60
	1/4	Hi	7.5/370	5/370	2.50
	1/5	Lo	7.5/370	5/370	2.00
	1/6	Lo	7.5/370	5/370	1.80
3458	1/3	Hi	7.5/370	7.5/370	2.80
	1/4	Hi	7.5/370	7.5/370	2.80
	1/5	Hi	7.5/370	7.5/370	2.80
3469	1/3	Hi	10/370	7.5/370	1.90
	1/4	Hi	10/370	7.5/370	1.50
	1/5	Lo	10/370	7.5/370	1.20
3459	1/3	Hi	12.5/370	12.5/370	2.40
	1/4	Hi	12.5/370	12.5/370	2.40
	1/5	Hi	12.5/370	12.5/370	2.40
3468	1/6	Hi	12.5/370	12.5/370	2.40
	1/8	Hi	12.5/370	12.5/370	2.40
	1/2	Hi	12.5/370	10/370	3.00
	1/3	Hi	12.5/370	10/370	2.20
	1/4	Lo	12.5/370	10/370	1.60
	1/5	Lo	12.5/370	10/370	1.30

Item ID	H.P.	Capacitor	Speeds to Use	Amps
3463	1/2	10/370	All Speeds	6.20
	1/3	5/370 or 7.5/370*	All Speeds	6.10
	1/4	5/370 or 7.5/370*	Med-Hi or Med-Lo:Lo	4.40
	1/5	5/370 or 7.5/370*	Med-Lo:Lo	3.20
	1/6	5/370 or 7.5/370*	Lo	2.40
3464	1/2	10/370	All Speeds	2.70
	1/3	5/370 or 7.5/370*	All Speeds	2.60
	1/4	5/370 or 7.5/370*	Med-Hi or Med-Lo:Lo	1.90
	1/5	5/370 or 7.5/370*	Med-Lo:Lo	1.40
3466	1/6	5/370 or 7.5/370*	Lo	1.10
	3/4	20/370	All Speeds	8.40
	1/2	10/370	All Speeds	7.50
	1/3	10/370	Med-Hi or Med-Lo:Lo	4.20
	1/4	10/370	Med-Lo:Lo	3.20
3467	1/5	10/370	Lo	2.60
	3/4	20/370	All Speeds	4.20
	1/2	10/370	All Speeds	3.80
	1/3	10/370	Med-Hi or Med-Lo:Lo	2.30
	1/4	10/370	Med-Lo:Lo	1.90
	1/5	10/370	Lo	1.50

\* Using a 7.5 MFD/370V capacitor will result in approximately 10% stronger motor.

## 4-in-1® And HeatMaster® Condenser Fan Motors

### 4-in-1® Fan Motors (Economy Models) - 60°C Ambient

#### Features

- Class B insulation
- Energy-efficient PSC design
- Reversing connectors
- Durable ball bearings or dependable all-angle sleeve bearings
- Mounts by belly band, adjustable extended thru-bolts or Rheem mounting holes with supplied screws
- All-angle mount
- Lead length 36 inch to 48 inch
- Single speed
- Totally enclosed
- Continuous duty, air over
- UL and CSA approved
- 48 Frame
- 60 Hertz
- 60°C ambient



Item ID	H.P.	Volts	RPM	Amps	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Capacitor Required	Replaces
<b>Century</b>										
ORM5488	1/3-1/8	208-230	825	2.10	1/2 x 6 1/2	4 7/8	PSC	Sleeve	7.5MFD/370V	Emerson 5457 Rheem 51-23055-12 Rheem 51-20760-11
ORM5488B	1/3-1/8	208-230	825	2.10	1/2 x 6 1/2	4 7/8	PSC	Ball	7.5MFD/370V	Rheem 51-20761-11
ORM5458	1/3-1/6	208-230	1075	2.00	1/2 x 6 1/2	4	PSC	Sleeve	7.5MFD/370V	Emerson 5458 Rheem 51-41465-01 Rheem 51-20668-11
ORM5458B	1/3-1/6	208-230	1075	2.00	1/2 x 6 1/2	4	PSC	Ball	7.5MFD/370V	Rheem 51-20672-01 Rheem 51-20668-11 Rheem 51-23053-11 Rheem 51-23055-11

### 4-in-1® HeatMaster® Fan Motors (Deluxe Models) - 70°C Ambient

#### Features

- Energy-efficient PSC design
- Reversing connectors
- Water-resistant reversing plug
- Double sealed ball bearings or dependable all-angle sleeve bearings
- Mounts by belly band, adjustable extended thru-bolts or Rheem mounting holes with supplied screws
- All-angle mount
- Lead length 36 inch to 48 inch
- Single speed
- Totally enclosed
- Continuous duty, air over
- UL and CSA recognized
- 48 Frame
- Class F insulation
- 60 Hertz
- 70°C ambient
- High-temperature UL/CSA approved overload protector



Item ID	H.P.	Volts	RPM	Amps	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Capacitor Required	Replaces
<b>Century</b>										
ORM5484F	1/8-1/15	208-230	825	0.80	1/2 x 6 1/2	4 1/4	PSC	Sleeve	5MFD/370V	Emerson 5456 Rheem 51-20761-01 Trane MOT6314
ORM5484BF	1/8-1/15	208-230	825	0.80	1/2 x 6 1/2	4 1/4	PSC	Ball	5MFD/370V	Rheem 51-20760-01 Trane MOT6314
ORM5454F	1/8-1/15	208-230	1075	0.80	1/2 x 6 1/2	4	PSC	Sleeve	5MFD/370V	Emerson 5459
ORM5454BF	1/8-1/15	208-230	1075	0.80	1/2 x 6 1/2	4	PSC	Ball	5MFD/370V	
ORM5488F	1/3-1/8	208-230	825	2.10	1/2 x 6 1/2	4 7/8	PSC	Sleeve	7.5MFD/370V	Emerson 1875H Marathon X072
ORM5458F	1/3-1/6	208-230	1075	2.00	1/2 x 6 1/2	4	PSC	Sleeve	7.5MFD/370V	Emerson 1860H
ORM5488BF	1/3-1/8	208-230	825	2.10	1/2 x 6 1/2	4 7/8	PSC	Ball	7.5MFD/370V	
ORM5489BF	1/2-1/5	208-230	825	2.50	1/2 x 6 1/2	5 5/8	PSC	Ball	10MFD/370V	
ORM4688BF	1/3-1/8	460	825	1.00	1/2 x 6 1/2	5 1/8	PSC	Ball	7.5MFD/370V	
ORM5458BF	1/3-1/6	208-230	1075	2.00	1/2 x 6 1/2	4	PSC	Ball	7.5MFD/370V	Emerson 5458H
ORM5459BF	1/2-1/5	208-230	1075	3.60	1/2 x 6 1/2	5 3/8	PSC	Ball	10MFD/370V	
ORM4658BF	1/3-1/6	460	1075	1.20	1/2 x 6 1/2	4 7/8	PSC	Ball	7.5MFD/370V	Emerson 3736H Rheem 51-23063-11
ORM4659BF	1/2-1/5	460	1075	1.50	1/2 x 6 1/2	5 5/8	PSC	Ball	10MFD/370V	

## HeatMaster® Ultra Condenser Fan Motors



### Features

- 80°C (176°F) max ambient
- Double sealed ball bearings with high temperature synthetic grease
- Energy-efficient PSC design
- Mounts by belly band, adjustable extended thru-bolts, or Rheem/Trane mounting holes, with screws supplied
- Works with Johnson Controls Speed controls

## 4-in-1® HeatMaster® Ultra Multi-horsepower Replacement Motors- 80°C Ambient

Item ID	H.P.	Volts	RPM	Amps	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Capacitor Required
<b>Century</b>									
ORM5488BU	1/3-1/8	208-230	825	1.8	1/2 x 6 1/2	4.86	PSC	Double Sealed Ball	7.5MFD/370V
ORM5458BU	1/3-1/6	208-230	1075	1.9	1/2 x 6 1/2	4.11	PSC	Double Sealed Ball	7.5MFD/370V

## HeatMaster® Ultra Condenser Fan Motors- 80°C Ambient

Item ID	H.P.	Volts	RPM	Amps	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Capacitor Required
<b>Century</b>									
FE1028SU	1/4	208-230	825	1.2	1/2 X 6.5	4.61	PSC	Double Sealed Ball	5MFD/370V
FE1038SU	1/3	208-230	825	1.6	1/2 X 6.5	5.11	PSC	Double Sealed Ball	7.5MFD/370V
FE1058SU	1/2	208-230	825	2.3	1/2 X 6.5	5.61	PSC	Double Sealed Ball	10MFD/370V
FE1026SU	1/4	208-230	1075	1.9	1/2 X 6.5	4.36	PSC	Double Sealed Ball	5MFD/370V
FE1036SU	1/3	208-230	1075	2.5	1/2 X 6.5	4.86	PSC	Double Sealed Ball	7.5MFD/370V
FE1056SU	1/2	208-230	1075	3.8	1/2 X 6.5	5.36	PSC	Double Sealed Ball	10MFD/370V
FE1076SU	3/4	208-230	1075	5.1	1/2 X 6.5	5.61	PSC	Double Sealed Ball	15MFD/370V
FEH1026SU	1/4	460	1075	0.9	1/2 X 6.5	4.74	PSC	Double Sealed Ball	7.5MFD/370V
FEH1036SU	1/3	460	1075	1.2	1/2 X 6.5	5.24	PSC	Double Sealed Ball	7.5MFD/370V
FEH1056SU	1/2	460	1075	1.5	1/2 X 6.5	5.61	PSC	Double Sealed Ball	10MFD/370V

## 5 5/8 Inch Diameter Direct Drive Blower Motors



### Features

- Permanent split capacitor
- Continuous air over
- 2 1/2 inch mounting rings
- Class B insulation
- 40°C ambient
- Electrically reversible
- Open enclosure
- Automatic overload
- 48 Frame
- 60 Hertz
- Single phase

Item ID	H.P.	Volts	RPM	Amps	Speeds	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Capacitor Required	Notes
<b>Century</b>											
DL1026	1/4	115	1075	3.50	3	1/2 x 4 1/2	4 1/8	PSC	Sleeve	5MFD/370V	
D1026	1/4	208-230	1075	1.80	3	1/2 x 4 1/2	4 1/8	PSC	Sleeve	5MFD/370V	
DL1036	1/3	115	1075	4.90	3	1/2 x 4 1/2	4 1/2	PSC	Sleeve	7.5MFD/370V	
D1036AO	1/3	208-230	1075	2.60	3	1/2 x 4 1/2	4 3/8	PSC	Sleeve	5MFD/370V	
DL1056	1/2	115	1075	6.50	3	1/2 x 4 1/2	5	PSC	Sleeve	10MFD/370V	
D1056AO	1/2	208-230	1075	3.20	3	1/2 x 4 1/2	4 7/8	PSC	Sleeve	7.5MFD/370V	
DL1076	3/4	115	1075	8.90	3	1/2 x 4 1/2	5 5/8	PSC	Sleeve	15MFD/370V	264
D1076	3/4	208-230	1075	4.00	3	1/2 x 4 1/2	5 5/8	PSC	Sleeve	10MFD/370V	
BDL1106	1	115	1075	12.30	3	1/2 x 6	6	PSC	Ball	20MFD/370V	
BD1106	1	208-230	1075	5.10	3	1/2 x 6 1/2	5 5/8	PSC	Ball	20MFD/370V	187 424
BDH1106	1	460	1100	3.20	3	1/2 x 6 1/2	5 7/8	PSC	Ball	15MFD/370V	187 308 321
<b>Fasco</b>											
D721	1/4-1/5-1/6	115	1075	4.80	3	1/2 x 6	4	PSC	Sleeve	15MFD/370V	138 148
D725	1/4-1/6-1/8	208/230	1075	2.20	3	1/2 x 6	4	PSC	Sleeve	15MFD/370V	138 148
D727	1/3-1/4-1/5	115	1075	5.90	3	1/2 x 6	4 1/4	PSC	Sleeve	5MFD/370V	138 148
D923	1/3-1/4-1/5	208-230	1075	2.90	3	1/2 x 6	4 1/4	PSC	Sleeve	5MFD/370V	138 148
D701	1/2-1/3-1/4-1/5	115	1075	7.70	4	1/2 x 5 1/2	5 1/4	PSC	Sleeve	10MFD/370V	138 148
D703	1/2-1/3-1/4	208-230	1075	4.00	3	1/2 x 6	5	PSC	Sleeve	7.5MFD/370V	138 148
D728	3/4-1/2-1/3	115	1075	10.50	3	1/2 x 6	5 1/2	PSC	Sleeve	10MFD/370V	138 148
D729	3/4-1/2-1/3	208-230	1075	5.40	3	1/2 x 6	5 1/2	PSC	Sleeve	10MFD/370V	138 148
<b>NEW</b> D768	1	277	1075	4.4	3	1/2 x 6	6.3	PSC	Ball	30MFD/370V	
D712	1-1/2-1/3	115	1075	11.80	3	1/2 x 6	6	PSC	Sleeve	20MFD/370V	138 148
D711	1-1/2-1/3	208-230	1075	5.30	3	1/2 x 6	5 1/2	PSC	Sleeve	20MFD/370V	138
<b>Packard</b>											
43581	1/6-1/8-1/10	115	1075	2.50	3	1/2 x 5 1/2	4	PSC	Sleeve	5MFD/370V	GE 3581 Emerson 8891
43582	1/6-1/8-1/10	208-230	1075	1.40	3	1/2 x 7	4	PSC	Sleeve	5MFD/370V	GE 3582 Emerson 8896
43583	1/4-1/6-1/8	115	1075	4.40	3	1/2 x 4 1/2	4	PSC	Sleeve	5MFD/370V	GE 3583 Emerson 1863
43584	1/4-1/6-1/8	208-230	1075	1.70	3	1/2 x 4 1/2	4	PSC	Sleeve	5MFD/370V	GE 3584 Emerson 1971
43585	1/3-1/4-1/6	115	1075	6.00	3	1/2 x 4 1/2	4 1/4	PSC	Sleeve	5MFD/370V	GE 3585 Emerson 1864
43586	1/3-1/4-1/6	208-230	1075	2.60	3	1/2 x 4 1/2	4 1/4	PSC	Sleeve	5MFD/370V	GE 3586 Emerson 1972
43587	1/2-1/3-1/4	115	1075	7.80	3	1/2 x 4 1/2	5 1/8	PSC	Sleeve	5MFD/370V	GE 3587 Emerson 1865
43588	1/2-1/3-1/4	208-230	1075	3.60	3	1/2 x 4 1/2	5 1/8	PSC	Sleeve	5MFD/370V	GE 3588 Emerson 1973
43589	3/4-1/2-1/3	115	1075	10.50	3	1/2 x 4 1/2	5 1/8	PSC	Sleeve	15MFD/370V	GE 3589 Emerson 8904
43590	3/4-1/2-1/3	208-230	1075	4.60	3	1/2 x 4 1/2	5 1/8	PSC	Sleeve	10MFD/370V	GE 3590 Emerson 8905
48906	1	115	1075	9.70	3	1/2 x 6 1/2	5.87	PSC	Ball	20MFD/370V	GE 3595 Emerson 8906
48907	1	208/230	1075	4.4 - 5.4	3	1/2 x 6 1/2	5.87	PSC	Ball	20MFD/370V	GE 3596 Emerson 8907

### Notes:

138. All angle mount bearings. Use rain shield when necessary  
148. Ideal for blowers and fans used in furnaces and air-conditioners

187. Resilient mounting rings included  
264. 50°C ambient  
308. Reconnect for separate speeds

321. No extended thru bolts  
424. 1/2" double flat shaft, 2 1/2" rings

## 5 5/8 Inch Diameter Multi-Horsepower Direct Drive Blower Motors



FDL6001  
FD6000  
7FD6000  
FDL6002  
FD6001  
7FD6001



45460  
45461  
45470  
45471

### Features

- Permanent split capacitor
- Multiple capacitor/speed combinations
- Continuous duty, air over
- Mounting rings, thru bolts and holes in shell
- Class B insulation
- Reversible rotation
- Automatic overload
- 48 Frame
- 60 Hertz
- Single phase
- 4 Speed

Item ID	H.P.	Volts	RPM	Amps	Rotation	Type	Bearings	Enclosure	Replaces
<b>Century</b>									
FDL6001	1/2, 1/3, 1/4, 1/5, 1/6	115	1075	7.00, 6.70, 4.40, 3.20, 2.40	Reversible	PSC	Sleeve	Open	Emerson 5460 Rheem 51-23012-41
FD6000	1/2, 1/3, 1/4, 1/5, 1/6	208-230	1075	3.90, 3.60, 2.50, 1.80, 1.30	Reversible	PSC	Sleeve	Open	Emerson 5461 Rheem 51-23022-41
7FD6000A	1/2, 1/3, 1/4, 1/5, 1/6	277	1075	3.30, 2.30, 1.70, 1.30, 1.00	Reversible	PSC	Sleeve	Open	—
FDL6002	3/4, 1/2, 1/3, 1/4, 1/5	115	1075	9.10, 6.60, 5.50, 3.00, 2.30	Reversible	PSC	Ball	Open	Emerson 5470
FD6001	3/4, 1/2, 1/3, 1/4, 1/5	208-230	1075	3.90, 3.60, 3.00, 2.30, 2.00	Reversible	PSC	Ball	Open	Emerson 5471
7FD6001A	3/4, 1/2, 1/3, 1/4, 1/5	277	1075	3.60, 2.30, 1.70, 1.30, 1.00	Reversible	PSC	Ball	Open	—
<b>Packard</b>									
45460	1/2-1/3-1/4-1/5-1/6	115	1075	5.80-5.10-3.50-3.20-2.20	Reversible	PSC	Sleeve	Open	Emerson 5460 Rheem 51-23012-41
45461	1/2-1/3-1/4-1/5-1/6	208-230	1075	2.90-2.50-1.80-1.40-1.30	Reversible	PSC	Sleeve	Open	Emerson 5461 Rheem 51-23022-41
45470	3/4-1/2-1/3-1/4-1/5	115	1075	9.10-6.50-5.50-4.00-2.30	Reversible	PSC	Ball	Open	Emerson 5470 Rheem 51-23017-41
45471	3/4-1/2-1/3-1/4-1/5	208-230	1075	4.60-3.30-3.40-2.30-1.70	Reversible	PSC	Ball	Open	Emerson 5471 Rheem 51-21898-01



## Did you know?

**WE CARRY A FULL ARRAY OF BRACKETS TO COMPLEMENT YOUR MOTOR PURCHASES. ACCESSORIES START ON PAGE 201.**



## Two And Three Speed Direct Drive Blower Motors

### Applications

- Designed for continuous air over applications, such as furnace blowers or central air handling units with single shaft requirements.

### Features

- Reversible rotation
- Automatic overload
- Single phase
- 5 1/2 inch diameter
- Permanent split capacitor
- Standard efficiency designs
- 4 inch shaft extension
- Extended thru bolts on shaft end with a mounting ring kit provided
- Ring kit allows both 2 1/4 inch and 2 1/2 inch resilient ring mounting
- Mounting holes in shell for capacitor bracket
- Designed for 370 Volt capacitor, not included.



Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings
<b>genteq</b>								
3383	1/4	115	1075	4.20	2	Reversible	PSC	Sleeve
3583	1/4	115	1075	4.20	3	Reversible	PSC	Sleeve
3384	1/4	208-230	1075	2.00	2	Reversible	PSC	Sleeve
3584	1/4	208-230	1075	2.00	3	Reversible	PSC	Sleeve
3385	1/3	115	1075	6.20	2	Reversible	PSC	Sleeve
3585	1/3	115	1075	6.10	3	Reversible	PSC	Sleeve
3386	1/3	208-230	1075	2.90	2	Reversible	PSC	Sleeve
3586	1/3	208-230	1075	2.70	3	Reversible	PSC	Sleeve
3387	1/2	115	1075	9.00	2	Reversible	PSC	Sleeve
3587	1/2	115	1075	9.00	3	Reversible	PSC	Sleeve
3388	1/2	208-230	1075	4.30	2	Reversible	PSC	Sleeve
3588	1/2	208-230	1075	4.30	3	Reversible	PSC	Sleeve
3389	3/4	115	1075	10.30	2	Reversible	PSC	Sleeve
3589	3/4	115	1075	11.20	3	Reversible	PSC	Sleeve
3390	3/4	208-230	1075	5.20	2	Reversible	PSC	Sleeve
3590	3/4	208-230	1075	5.00	3	Reversible	PSC	Sleeve

## 460 Volt Two Speed Direct Drive Blower Motors

### Applications

- Designed for continuous air over applications, such as high voltage fan and blower systems.

### Features

- Energy Saver designs
- Ball bearings
- Extended thru bolts
- Designed for 50Hz or 60Hz operation
- Single phase
- 5 1/2 inch diameter
- Open enclosure
- Single shaft
- Automatic overload



Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings
<b>genteq</b>								
3470	1/4	460	1625	0.80	2	Reversible	PSC	Ball
3280	1/3	460	1075	1.10	2	Reversible	PSC	Ball
3490	1/2	460	1625	1.70	2	Reversible	PSC	Ball
3290	3/4	460	1075	2.10	2	Reversible	PSC	Ball

## 5 5/8 Inch Diameter Torsion Flex Direct Drive Blower Motors



43782 43787  
43783 43788  
43784 43789  
43785 43790  
43786



D1730  
D1731  
D1732  
D1733  
D1734  
D1735

### Features

- Permanent split capacitor
- Continuous air over
- Energy efficient
- Electrically reversible
- Automatic overload
- Open enclosure
- Single phase
- 48 Frame
- 60 Hertz

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dim. (In.)	Length Less Shaft (In.)	Type	Bearings	Capacitor Required	Replaces
<b>Packard</b>												
43782	1/6	115	1075	2.50	3	Reversible	1/2 x 5	4	PSC	Sleeve	5MFD/370V	3782
43783	1/4	115	1075	3.60	4	Reversible	1/2 x 6	4	PSC	Sleeve	5MFD/370V	3783
43784	1/4	208-230	1075	1.80-2.00	4	Reversible	1/2 x 6	4	PSC	Sleeve	5MFD/370V	3784
43785	1/3	115	1075	4.80	4	Reversible	1/2 x 6	4 1/4	PSC	Sleeve	10MFD/370V	3785 & 9377
43786	1/3	208-230	1075	2.30-2.60	4	Reversible	1/2 x 6	4 1/4	PSC	Sleeve	10MFD/370V	3786
43787	1/2	115	1075	8.00	4	Reversible	1/2 x 6	5 7/8	PSC	Sleeve	10MFD/370V	3787
43788	1/2	208-230	1075	3.30-4.00	4	Reversible	1/2 x 6	5 7/8	PSC	Sleeve	10MFD/370V	3788
43789	3/4	115	1075	9.00	3	Reversible	1/2 x 5	5.41	PSC	Sleeve	15MFD/370V	3789
43790	3/4	208-230	1075	4.50	3	Reversible	1/2 x 5	5.41	PSC	Sleeve	10MFD/370V	3790
<b>Fasco</b>												
<b>NEW</b> D1730	1/4-1/5-1/6	115	1075	4.8-3.3-2.6	3	Reversible	1/2 x 6	4	PSC	Sleeve	5MFD/370V	
<b>NEW</b> D1731	1/3-1/4-1/5	115	1075	5.9-4.6-3.8	3	Reversible	1/2 x 6	4 1/4	PSC	Sleeve	5MFD/370V	
<b>NEW</b> D1732	1/2-1/3-1/4	115	1075	7.7-5.5-4.2	3	Reversible	1/2 x 6	4 4/3	PSC	Sleeve	10MFD/370V	
<b>NEW</b> D1733	1/4-1/5-1/6	208-230	1075	2.2-1.6-1.2	3	Reversible	1/2 x 6	4	PSC	Sleeve	5MFD/370V	
<b>NEW</b> D1734	1/3-1/4-1/5	208-230	1075	2.8-2.2-1.8	3	Reversible	1/2 x 6	4 1/4	PSC	Sleeve	5MFD/370V	
<b>NEW</b> D1735	1/2-1/3-1/4	208-230	1075	3.4-2.5-1.9	3	Reversible	1/2 x 6	4 3/4	PSC	Sleeve	10MFD/370V	

## Helpful Tip



Help ensure successful repairs by offering a new fan blade with every motor purchase. This will reduce the risk of installing an out of balance or bent blade onto a new motor.

Air Handling starts on page 172.



## HeatMaster® Fan Canopy



### Features

- 70°C (158°F) max ambient
- UL/CSA approved Class F insulation
- Energy-efficient PSC and three phase designs
- Patented fan canopy
- Vertical shaft up only
- Double sealed ball bearing
- Open, air over
- Reversible
- 60 Hertz
- Totally Enclosed
- Single Speed
- 48 Frame
- UL and CSA recognized

Item ID	H.P.	Volts	RPM	Amps @		Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Capacitor Required	Replaces	Notes
				230V	460V						
<b>Century Single Phase</b>											
FC1046F	0.4	200-230/460	1075	3.20	1.60	Reversible	1/2" Flat x 3 9/16	5 5/16	5MFD/370V	GE 03945	511
FC1066F	0.6	200-230/460	1075	4.00	2.00	Reversible	1/2" Flat x 3 9/16	6 15/16	7.5MFD/370V	GE 03946	511
FC1066AF	0.6	200-230/460	1075	4.00	2.00	Reversible	5/8" Flat & Key x 3 9/16	6 15/16	7.5MFD/370V	GE 03196	511
FC1086F	0.8	200-230/460	1075	4.60	2.30	Reversible	1/2" Flat x 3 9/16	8 13/16	20MFD/370V	GE 03197	352 511
FC1086AF	0.8	200-230/460	1075	4.60	2.30	Reversible	5/8" Flat & Key x 3 9/16	8 13/16	20MFD/370V	GE 03198	511
FC1106F	1	200-230/460	1075	6.40	3.20	Reversible	5/8" Flat & Key x 4 1/16	9 9/16	25MFD/370V	GE 03199	403 511
FC1156F	1 1/2	200-230/460	1075	7.00	3.50	Reversible	5/8" Flat & Key x 4 1/16	10 1/6	25MFD/370V		403
<b>Century Three Phase</b>											
FC3056F	1/2	200-230/460	1140	3.00	1.50	Reversible	1/2" Flat x 3 9/16	6 15/16	—	GE K1403	
FC3076F	3/4	200-230/460	1140	4.00	2.00	Reversible	5/8" Flat & Key x 4 1/16	9 1/16	—	GE K1404	
FC3106F	1	200-230/460	1140	5.60	2.80	Reversible	5/8" Flat & Key x 4 1/16	9 9/16	—		
FC3156F	1 1/2	200-230/460	1140	5.80	2.90	Reversible	5/8" Flat & Key x 4 1/16	9 9/16	—		

**Notes:**

352. Includes 5/8" adapter and key  
 403. All 1 HP and 1 1/2 HP Motor supplied with conversion kit allowing motor to be used in most 56 frame applications

511. Suitable for use with some solid state speed control devices

## 56 Frame Three Phase Commercial Condenser Fan Motors



### Features

- Class B moisture resistant insulation
- 5/8 inch diameter shaft with keyway and flat
- Double sealed ball bearings
- 1.0 service factor
- Automatic overload
- 60°C ambient
- Single speed
- 60 Hertz
- Three phase
- Air over

Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Frame	Enclosure	Mounting	Notes
H567	3/4	460/200-230	1140	1.50/2.80-3.00	Reversible	5/8 x 6	10 3/8	56	Open Shaft End	Belly Band	
H686	1	460/200-230	850	2.00/4.40-4.00	Reversible	5/8 x 4 7/8	9 3/8	56	Open Shaft End	Belly Band	319
H667	1	460/200-230	1140	2.60/5.30-5.20	Reversible	5/8 x 6	10 7/8	56	Open Shaft End	Belly Band	
H767	1 1/2	460/200-230	1140	3.00/5.80-6.00	Reversible	5/8 X 6	10 7/8	56	Open Shaft End	Belly Band	407 520

**Notes:**

319. No keyway, double flat

407. 70°C ambient

520. 1.15 service factor

## JuggerNaut® Three Phase Inverter Duty Condenser Fan Motors



### Features

- Inverter duty
- 70°C (158°F) max ambient
- Class F moisture resistant insulation
- Automatic overload protector
- Large water slinger
- Double sealed ball bearings
- Lugs for belly-band mounting
- Shaft up mounting
- Quick connect design
- Energy-efficient three phase design
- Conductive bearing grease for inverter applications
- 50/60 Hertz
- Three phase
- Energy-efficient three phase design

### Removable 56H Base 70°C (158°F) Max Ambient

Item ID	H.P.	Volts	RPM	Amps	Shaft Dimension (In.)	Length Less Shaft (In.)	Belly Band	Replaces Belly Band	Rigid Base
<b>Century</b>									
H1055A	1/2	460/200-230	1140	1.3/2.8-2.6	5/8 X 6	10.4			
H1056A	3/4	460/200-230	1140	1.5/2.8-3.0	5/8 X 6	10.5			
H1050A	1	460/208-230	1140	2.20/4.40-4.00	5/8 x 6	10 5/8	Marathon X502 Emerson 1818 G.E. K379 Fasco D6608	Leeson 111147 Baldor CFM3156A Mars 3189	Marathon X513 Emerson 1820 G.E. K1485 Leeson 115778
H1051A	1 1/2	460/208-230	1140	2.90/5.80-5.80	5/8 x 6	11 5/8	Marathon X503 Emerson 1819 G.E. K380 Fasco D6610	Leeson 111148 Baldor CFM3166A Mars 3190	Marathon X523 Emerson 1821 G.E. K1486 Leeson 115779
H1052A	2	460/208-230	1140	3.70/7.40-7.00	5/8 x 6	12 5/8	Marathon X509	Emerson 8987	Marathon X525 Emerson 1822
H1053A	1	460/208-230	850	2.60/5.20-5.00	5/8 x 6	12 5/8	Marathon X507 Emerson 1828	G.E. K1482 Mars 1482	Marathon X528
H1054	1 1/2	460/208-230	850	3.60/6.70-7.20	5/8 x 6	13 1/8	Marathon X530		Marathon X531

**Note:** It is the responsibility of the installer to properly adjust the drive to the motor for the specific application. The correct volts/Hz settings are application specific and unique to each motor. Failure to perform proper set up can lead to substandard performance and/or premature failure of the system components. All other replacements are not inverter duty.



### Features

- Inverter duty
- 70°C (158°F) max ambient
- Class F moisture resistant insulation
- Automatic overload protector
- Large water slinger
- Double sealed ball bearings
- Shaft up mounting
- Quick connect design
- Energy-efficient three phase design
- Conductive bearing grease for inverter applications
- 50/60 Hertz
- Three phase
- Energy-efficient three phase design

### Rigid 56H Base 70°C (158°F) Max Ambient

Item ID	H.P.	Volts	RPM	Amps	Shaft Dimension (In.)	Length Less Shaft (In.)
<b>Century</b>						
<b>NEW</b> H1050RB	1	460/208-230	1140	2.20/4.40-4.00	5/8 x 6	10.3
<b>NEW</b> H1051RB	1 1/2	460/208-230	1140	2.90/5.80-5.80	5/8 x 6	11.3
<b>NEW</b> H1052RB	2	460/208-230	1140	3.70/7.40-7.00	5/8 x 6	12.3
<b>NEW</b> H1053RB	1	460/208-230	850	2.60/5.20-5.00	5/8 x 6	12.3
<b>NEW</b> H1054RB	1 1/2	460/208-230	850	3.60/6.70-7.20	5/8 x 6	12.3

**Note:** It is the responsibility of the installer to properly adjust the drive to the motor for the specific application. The correct volts/Hz settings are application specific and unique to each motor. Failure to perform proper set up can lead to substandard performance and/or premature failure of the system components. All other replacements are not inverter duty.

## Evaporative Cooler Motors

### Applications

- Belt driven evaporative coolers

### Features

- Brass current carrying terminal board parts
- Class B insulation
- Continuous oil filtration
- Electro-zinc plated governor parts, dust caps, terminal board cover
- Heavy magnet wire insulation
- High viscosity encapsulating varnish
- Moisture resistance terminal board
- No ventilation openings in the top portion of the frame
- 7 1/2" ring to ring dimension (Split Phase)
- 60 Hertz
- Automatic overload
- NEMA 56Z Frame
- 1.0 Service Factor



Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Enclosure
<b>Century Split Phase</b>											
VB2034	1/3	115	1725	6.50	1	CCWLE	1/2 x 1 5/8	9.45	Split Phase	Ball	Open drip proof
SVB2034	1/3-1/10	115	1725/1140	6.50/3.60	2	CCWLE	1/2 x 1 5/8	9.45	Split Phase	Ball	Open drip proof
VB2054	1/2	115	1725	7.80	1	CCWLE	1/2 x 1 5/8	9.45	Split Phase	Ball	Open drip proof
SVB2054	1/2-1/6	115	1725/1140	8.50/4.10	2	CCWLE	1/2 x 1 5/8	9.45	Split Phase	Ball	Open drip proof
SVB2054H	1/2-1/6	230	1725/1140	4.40	1	CCWLE	1/2 x 1 5/8	9.45	Split Phase	Ball	Open drip proof
VB2074	3/4	115	1725	10.60	1	CCWLE	1/2 x 1 5/8	9.45	Split Phase	Ball	Open drip proof
SVB2074	3/4-1/4	115	1725/1140	10.50/5.00	2	CCWLE	1/2 x 1 5/8	9.45	Split Phase	Ball	Open drip proof
SVB2074H	3/4-1/4	230	1725/1140	5.60/2.80	2	CCWLE	1/2 x 1 5/8	9.45	Split Phase	Ball	Open drip proof
<b>Century Capacitor Start</b>											
SV2104L	1-1/3	115	1725/1140	12.70/7.60	1	CCWLE	1/2 X 1 5/8	12.1	Capacitor Start	Sleeve	Open
SV2104HL	1-1/3	230	1725/1140	6.40/3.90	2	CCWLE	1/2 X 1 5/8	12.1	Capacitor Start	Sleeve	Open

## 48/56 Frame, Split Phase Belt Drive Fan And Blower Motors

### Applications

- Centrifugal pumps, belt drive furnace blowers, fans

### Features

- 40°C ambient
- Continuous duty
- 5/8 inch shaft adapter and key included
- Resilient base has 48 and 56 Frame mounting holes
- Full Service Factor ratings
- Class B insulation
- Electrically reversible
- Open drip proof enclosure
- 5 5/8 inch diameter
- Split phase
- Automatic overload
- 60 Hertz
- Single speed



Item ID	H.P.	Volts	RPM	Amps	Rotation	Service Factor	Shaft Dimension (In.)	Length Less Shaft (In.)	Frame	Bearings	Replaces
<b>Packard - Single Voltage</b>											
45014	1/4	115	1725	4.80	Reversible	1.35	1/2 x 1 7/8	6 3/4	48/56	Sleeve	Emerson 8000 GE 4701 Marathon B206
45013	1/3	115	1725	5.40	Reversible	1.35	1/2 x 1 7/8	6 3/4	48/56	Sleeve	Emerson 8100 GE 4706 Marathon B207
45012	1/2	115	1725	9.20	Reversible	1.25	1/2 x 1 7/8	7 3/4	48/56	Sleeve	Emerson 8200 GE 4708 Marathon B208
<b>Packard - Dual Voltage</b>											
45014D	1/4	115/208-230	1725	4.60/2.20-2.10	Reversible	1.30	1/2 x 1 7/8	6.75	48/56	Ball	Marathon B303
45013D	1/3	115/208-230	1725	6.60/3.40-3.10	Reversible	1.35	1/2 x 1 7/8	6.75	48/56	Ball	Marathon B305
45012D	1/2	115/208-230	1725	7.60/3.70-3.80	Reversible	1.25	1/2 x 1 7/8	8.58	48/56	Ball	Marathon B307
45230D	3/4	115/208-230	1725	11.60/5.90-5.80	Reversible	1.25	5/8 x 1 7/8	10.55	56H	Ball	Marathon 56S17D2060

## Split Phase Resilient Base Motors



### Features

- Continuous duty
- Resilient base mounting
- Reversible rotation
- 40°C ambient
- Open and open drip proof enclosure
- Automatic overload
- Split phase
- 60 Hertz
- Single phase

Item ID	H.P.	Volts	RPM	Full Load Amps	Service Factor	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Enclosure	Diameter (In.)	Frame	Notes
<b>Century Single Voltage</b>												
GF2014	1/6	115	1725	4.90	1.35	1/2 x 1 5/8	7.30	Sleeve	Open	5 5/8	48/56	3 266
GF2024	1/4	115	1725	5.40	1.35	1/2 x 1 5/8	7.50	Sleeve	Open Drip Proof	5 5/8	48/56	3 266
GF2034	1/3	115	1725	6.80	1.35	1/2 x 1 5/8	7.80	Sleeve	Open	5 5/8	48/56	3 266
GF2054	1/2	115	1725	8.00	1.25	1/2 x 1 5/8	8.30	Sleeve	Open Drip Proof	5 5/8	48/56	3 266
GK2074	3/4	115	1725	12.20	1.25	5/8 x 1 7/8	8.80	Sleeve	Open	6 1/2	56	
<b>Century Dual Voltage</b>												
GF2024D	1/4	115/208-230	1725	5.20/2.60	1.35	1/2 x 1 5/8	7 1/2	Sleeve	Open	5 5/8	48/56	266
GF2034D	1/3	115/230	1725	6.40/3.20	1.35	1/2 x 1 5/8	7 1/3	Sleeve	Open	5 5/8	48/56	196 266
GF2054D	1/2	115/208-230	1725	8.20/4.10	1.25	1/2 x 1 5/8	8 1/3	Sleeve	Open	5 5/8	48/56	266
F681	3/4	230/115	1725	5.20/10.40	1.25	5/8 x 1 7/8	9.50	Sleeve	Open Drip Proof	6 1/2	56	
GK2104DV1	1	115/230	1725	15.60/7.80	1.25	5/8 x 1 7/8	10.30	Sleeve	Open	6 1/2	56	

**Notes:**  
 3. 5/8" Shaft adapter and key Included  
 196. Suitable for 208 volts @ 1.0 service factor

266. 48/56 FR = 1/2" X 1 1/2" shaft with 5/8" shaft adapter - 48/56 slotted 3" height base

## Capacitor Start Resilient Base Motors



### Features

- Capacitor start, dual voltage
- Single speed
- Resilient base mounting
- Reversible rotation
- Ball bearings
- Automatic overload
- 56 Frame
- 60 Hertz
- Single phase
- Class B insulation

Item ID	H.P.	Volts	RPM	Full Load Amps	Service Factor	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Diameter (In.)	Frame	Enclosure	Notes
<b>Century</b>												
C412V1	1/2	115/208-230	1725	9.00/4.00-4.50	1.25	5/8 x 2	9 1/8	Ball	6 1/2	56	Open Drip Proof	205
C426V1	3/4	115/208-230	1725	11.00/5.40-5.50	1.25	5/8 x 2	9 1/8	Ball	6 1/2	56	Open Drip Proof	205
C523V1	1	115/208-230	1725	12.60/6.20-6.30	1.15	5/8 x 2 3/8	9 1/2	Ball	6 1/2	56Z	Open Drip Proof	205 510

**Notes:**  
 205. Extended thru bolts, shaft end only

510. 5/8" keyed shaft - 2.31" long

## Permanent Split Capacitor Oil Burner Motor



### Features

- Direct replacement for Beckett 21805U as well as a suitable replacement for many other oil burner motors
- Easy installation with new flange style
- 18 1/2 Inch lead sets
- Continuous duty
- Automatic thermal protection
- Class F insulation
- 40°C ambient
- UL and CSA recognized
- Open shaft end bracket
- Totally Enclosed

### Replaces

Beckett 21805U	GE 4777
Emerson 3083	Marathon 0700
Emerson 3248	Nordyne 621945
Emerson 3274	Rotom R21805U

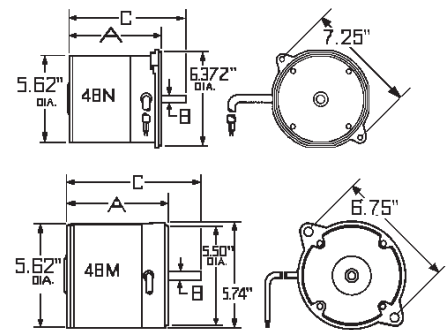
Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Type	Bearing	Frame	Mounting	Flange Material	Flange Type	Hertz	Capacitor Included
<b>Century</b>															
OBK6002V1	1/7	115	3450	1.80	1	CWOSE	1/2 x 1 7/8	PSC	Ball	48M	Flange	Aluminum	Ventilated	60	20MFD/250V

## Split Phase Oil Burner Motors

N Flange



M Flange



### Features

- Continuous duty
- Totally enclosed
- 40°C ambient
- 5 5/8 Inch diameter
- Split phase
- Manual reset overload
- Single speed
- 60 Hertz
- Single phase

Item ID	H.P.	Volts	RPM	Approximate Full Load Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Frame	Mounting
<b>Century</b>										
EL2004V1	1/8	115	1725	2.50	Reversible	1/2 x 1 13/16	5 1/4	Sleeve	48N	N Flange
EL2002	1/7	115	3450	2.50	Reversible	1/2 x 1 13/16	5 1/2	Sleeve	48M	M Flange
EL2002V1	1/7	115	3450	2.50	CCWOSE	1/2 x 1 13/16	5 1/2	Sleeve	48M	M Flange
XEL2014	1/6	115	1725	3.20	Reversible	1/2 x 1 13/16	5 3/4	Sleeve	48N	N Flange
EL2012	1/6	115	3450	2.70	Reversible	1/2 x 1 13/16	6	Sleeve	48M	M Flange
EL2014V1	1/6	115	1725	3.20	Reversible	1/2 x 1 13/16	5 3/4	Sleeve	48N	N Flange
EL2022	1/4	115	3450	3.40	Reversible	1/2 x 1 13/16	6 3/4	Sleeve	48N	N Flange
EL2024	1/4	115	1725	3.70	Reversible	1/2 x 1 13/16	6 3/4	Sleeve	48N	N Flange

## Hot Water Circulator Pump Motors

With Cushion Rings

Base Included



### Features

- Replacement motors for use on hot water circulator pumps by Bell and Gossett, Armstrong, Taco and others
- Sleeve and ball bearings
- Cushion rings and base included
- For use with adjustable base
- Special red paint
- Open drip proof
- Automatic overload
- 60 Hertz
- Single phase

Item ID	H.P.	Volts	RPM	Full Load Amps	Service Factor	Rotation	Bearings	Hub to Hub	Shaft Dimension (In.)	Frame	Mouting Type	Replaces
<b>Century</b>												
HW20084L	1/12	115	1725	2.70	1.00	CCWLE	Sleeve	7 5/8	1/2 x 1/2 flat	48YZ	Cushion Rings	Armstrong Bell & Gossett
OTA2004	1/12	115	1725	2.90	1.00	Reversible	Sleeve	6 1/8	1/2 x 7/8 flat	48Y	Cushion Rings	Taco
OBG2004 *	1/8	115	1725	3.10	1.00	Reversible	Sleeve	—	1/2 x 5/8 set screw	48Y	Base Included	Bell & Gossett
HW2014L	1/6	115	1725	3.60	1.35	CWLE	Sleeve	7 5/8	1/2 x 5/8 flat	48YZ	Cushion Rings	Armstrong Bell & Gossett
HW2014V1L	1/6	115	1725	3.60	1.00	CWLE	Sleeve	7 7/8	1/2 x 5/8 flat	48YZ	Cushion Rings	Armstrong Bell & Gossett
C240	1/2	115/230	1725	7.20/3.60	1.25	Reversible	Sleeve	8 7/8	5/8 x 1 7/8 flat	56Y	Cushion Rings	Taco
C242	1/2	115/230	1725	7.20/3.60	1.25	Reversible	Sleeve	9 3/4	5/8 x 1 3/8 flat	56Y	Cushion Rings	Armstrong
C241	1/2	115/230	1725	9.60/4.80	1.25	CWLE	Sleeve	9	5/8 x 1 1/8 flat	56Y	Cushion Rings	Bell & Gossett
C243	3/4	115/230	1725	11.80/5.90	1.25	CWLE	Sleeve	9	5/8 x 1 1/8 flat	56Y	Cushion Rings	Bell & Gossett
C233	3/4	115/230	1725	10.40/5.20	1.30	Reversible	Sleeve	9 3/4	5/8 x 1 3/8 flat	56Y	Cushion Rings	Armstrong
C244	3/4	115/230	1725	10.40/5.20	1.30	Reversible	Sleeve	9 7/16	5/8 x 1 7/8 flat	56Y	Cushion Rings	Taco
C247	1	230/115	1725	6.50/13.00	1.25	Reversible	Sleeve	9 5/8	5/8 x 1 7/8 flat	56Y	Cushion Rings	Taco
C245	1	230/115	1725	6.50/13.00	1.25	Reversible	Sleeve	9 3/4	5/8 x 1 3/8 flat	56Y	Cushion Rings	Armstrong
C246	1	230/115	1725	6.50/13.00	1.25	Reversible	Sleeve	9 3/8	5/8 x 1 1/8 flat	56Y	Cushion Rings	Bell & Gossett
C248	1 1/2	230/115	1725	7.50/15.00	1.20	Reversible	Ball	10 1/5	5/8 x 1 7/8 flat	56Y	Cushion Rings	Taco

**Notes:**

\* Suitable replacement for 1/12 HP and 1/10 HP

## Three Phase Hot Water Circulator Pump Motors



H946  
H982  
H984  
H985  
H986  
H987



H988

### Features

- Cushion ring mounting
- Bell and Gossett, Armstrong and Taco replacement motors
- Sleeve and ball bearings
- No base
- Three phase
- Special red paint
- Open drip proof
- No protector

Item ID	H.P.	Volts	RPM	Full Load Amps	Service Factor	Bearings	Hub to Hub	Shaft Dimension (In.)	Frame	Hertz	Replaces
<b>Century</b>											
H982	3/4	208-230/460	1800	2.50-2.60/1.30	1.30	Sleeve	9.43	5/8 x 1 7/8	56Y	60	Taco
H984	1	208-230/460	1800	3.40-3.40/1.70	1.25	Sleeve	9.82	5/8 x 1 3/8	56Y	60	Armstrong
H985	1	208-230/460	1800	3.40-3.40/1.70	1.25	Sleeve	9.38	5/8 x 1 1/8	56Y	60	Bell & Gossett
H946	1	208-230/460	1800	3.40-3.40/1.70	1.25	Sleeve	9.43	5/8 x 1 7/8	56Y	50/60	Taco
H986	1 1/2	208-230/460	1800	4.80-5.00/2.50	1.15	Sleeve	9.62	5/8 x 1 3/8	56Y	60	3N826 Armstrong Bell & Gossett
H987	2	208/230/460	1800	6.30-6.40/3.20	1.15	Ball	9.71	5/8 x 1 7/8	56Y	60	Taco
H988	3	208/230/460	1800	4.40/9.00-8.80	1.15	Ball	11.70	7/8 x 2 1/4	56Y	60	Taco

## Square Flange Pool Pump Motors



### Features

- Used on many Sta-Rite, Red Jacket, Pac Fab, American Products and Sears jet and pool pumps
- High and low service factors
- Open drip proof enclosure
- Sealed ball bearings
- CCW pump end rotation
- 303 Stainless steel threaded shaft
- 50°C ambient
- Square flange mounting
- Capacitor start
- 3450 RPM
- Automatic overload
- 60 Hertz
- Single speed
- Single phase

Item ID	H.P.	Volts	Max Amps	Service Factor	Frame	Notes
<b>Century Square Flange/High Service Factor (Full Rated)</b>						
SQ1032	1/3	115/230	9.90/5.00	1.95	48Y	
SQ1052	1/2	115/230	13.40/6.70	1.90	48Y	
QC1052	1/2	115/230	9.60/4.80	1.90	48Y	199
SQ1072	3/4	115/230	15.30/7.60	1.65	48Y	
QC1072	3/4	115/230	12.60/6.30	1.65	48Y	199
SQ1102	1	115/230	19.20/9.60	1.65	48Y	
QC1102	1	115/208-230	16.00/8.00	1.65	48Y	199
SQ1152	1 1/2	230	10.40	1.47	48Y	199
SQ1202	2	230	11.20	1.30	48Y	199
SQ1302V1	3	230	15.40	1.15	56Y	199
<b>Century Square Flange / Low Service Factor (Up-Rated)</b>						
USQ1052	1/2	115/230	9.90/5.00	1.30	48Y	
USQ1072	3/4	115/230	13.40/6.70	1.27	48Y	
USQE1072	3/4	115/230	11.80/5.90	1.27	48Y	452
UQC1072	3/4	115/230	9.60/4.80	1.27	48Y	199
USQ1102	1	115/230	15.30/7.60	1.25	48Y	
UQC1102	1	115/230	12.60/6.30	1.25	48Y	199
USQE1102	1	115/230	14.80/7.40	1.25	48Y	452
USQ1152	1 1/2	115/230	19.20/9.60	1.10	48Y	
USQE1152	1 1/2	115/230	19.20/9.60	1.10	48Y	452
UQC1152	1 1/2	115/230	16.00/8.00	1.10	48Y	199
USQ1202	2	230	10.40	1.10	48Y	199
USQ1252	2 1/2	230	11.20	1.00	48Y	199

### Notes:

199. \$ Energy efficient capacitor start, capacitor run Conservationist motor  
452. eMod equipped motor

## NEMA C Face Pool Pump Motors

Total output (HP x service factor) of replacement motor must equal or exceed motor being replaced



### Features

- Sealed ball bearings
- Sealed switch design
- 50°C ambient
- 3450 RPM
- Not reversible
- Capacitor start and capacitor start-capacitor run
- NEMA "56C" face mount
- 303 Stainless shaft (56J (threaded shaft) and 56C (keyed shaft))
- 304 Ball bearing on shaft end
- High service factor (full rated)
- Standard efficiency and high efficiency design (conservationist)
- Open drip proof enclosure
- Automatic overload
- CCWPE rotation
- "1081" Design
- 60 Hertz
- Single speed
- Single phase

Item ID	H.P.	Volts	Max Amps	Service Factor	Frame	Notes
<b>Century NEMA C Face Pool Filter Motors</b>						
SK1052	1/2	115/230	10.60/5.30	1.60	56C	
CK1052	1/2	115/230	8.00/4.00	1.60	56C	199
ST1052	1/2	115/230	11.00/5.50	1.60	56J	
CT1052	1/2	115/230	8.00/4.00	1.60	56J	199
SK1072	3/4	115/230	14.60/7.30	1.50	56C	
CK1072	3/4	115/230	11.00/5.50	1.50	56C	199
ST1072	3/4	115/230	15.00/7.50	1.50	56J	
CT1072	3/4	115/230	11.00/5.50	1.50	56J	199
SK1102	1	115/230	17.00/8.50	1.50	56C	
CK1102	1	115/230	13.60/6.80	1.40	56C	199
ST1102	1	115/230	18.60/9.30	1.50	56J	
STE1102	1	115/230	18.60/9.30	1.50	56J	452
CT1102	1	115/230	13.60/6.80	1.40	56J	199
SK1152	1 1/2	115/230	19.40/9.70	1.30	56C	199
ST1152	1 1/2	115/208-230	19.60/10.40-9.80	1.50	56J	199
SK1202	2	230	11.20	1.30	56C	199
ST1202	2	208-230	12.60-11.40	1.30	56J	199
ST1302V1	3	208-230	14.50-13.80	1.15	56J	199

### Notes:

199. \$ Energy efficient capacitor start, capacitor run Conservationist motor  
452. eMod equipped motor



## Evergreen EM

### Replace 100s of Different OEM X13 ECM Models

Evergreen **EM** is Designed to replace direct-drive blower motors in residential and light commercial indoor furnaces, air handlers, and package systems that were designed with a standard ECM motor, such as an X13 or equivalent competitor model.

#### Features

- Multi-speed, constant torque, brushless DC motor
- Available in 1/3, 1/2, 3/4 and 1HP ratings
- Automatically determines motor rotation direction
- 5 discrete speeds using 24VAC (3 using 18VDC)
- Operating speed range of 600-1200 rpm
- NEMA 48-frame (5.6 inch diameter) Belly Band Mount with 5-inch long 1/2 inch diameter shaft
- UL and CSA recognized component.
- Standard ECM Replacement (Does not replace premium ECM constant airflow products such as Eon, 3.0, 2.3, and 2.5)
- Maintains ECM-level Efficiency up to 80%
- Soft Start and Off Ramp for quiet operation
- Electronic Overload Protection



Scan for more info



Item ID	H.P.	Volts	RPM	Amps	Rotation	Dim A (In.)	Dim B (In.)
<b>genteq - Evergreen EM Motors</b>							
6103E	1/3	115	600-1200	4.8	CCW/CW	10.17	5.25
6203E	1/3	208/230	600-1200	2.8	CCW/CW	10.17	5.25
6105E	1/2	115	600-1200	6.8	CCW/CW	10.67	5.75
6205E	1/2	208/230	600-1200	4.1	Auto Sensing	10.67	5.75
6107E	3/4	115	600-1200	8.4	Auto Sensing	11.42	6.5
6207E	3/4	208/230	600-1200	6	Auto Sensing	11.42	6.5
6110E	1	115	600-1200	10.9	Auto Sensing	12.17	7.25
6210E	1	208/230	600-1200	7.6	Auto Sensing	12.17	7.25

## Evergreen IM

### Energy Savings . Quiet Operation Comfort . Indoor Air Quality

Evergreen **IM** is a high-efficiency ECM replacement motor that is designed to replace factory PSC blower motors in HVAC systems including fossil fuels, electric heat, A/C, heat pump, dual fuel and geothermal; does not replace variable speed or X13 ECM motors.

Evergreen uses up to 25% fewer watts in operating mode and up to 74% fewer Watts than a PSC motor in constant fan.

#### Features

- Two Motors cover most applications
- Multi-volt 115/230VAC, 50/60 Hertz
- Integrated with HVAC system controls/operation
- Four speed selections for heating and cooling
- Optimized constant fan speed
- 1/2 inch diameter flat shaft
- CW/CCW rotation
- 5.5 inch diameter
- Automatic overload protection
- Ball bearing
- Open enclosure
- Band mounting
- Continuous duty



Item ID	H.P.	Volts	RPM	Amps	Replaces
<b>genteq - Evergreen IM Motors</b>					
6005	1/5, 1/4, 1/3, 1/2	115/230	1070	6.70/4.00	GE 5SME39HXL110
6010	1	115/230	1070	11.00/6.70	GE 5SME39SXL111



Item ID	Mounting I.D. (In.)
<b>genteq - Evergreen Belly Band Mounting Kit</b>	
5K003	10
5K004	11
5K005	13



Scan for more info





## Evergreen CM

### ECM Replacement for Commercial VAV Boxes

Evergreen CM replaces standard 48 frame motors in VAV systems enhancing the ability of energy efficient systems to qualify for government rebate programs. With slow ramp up and ramp down there is less system noise and greater occupant comfort.

#### Features

- Variable speed, constant torque, brushless DC motor
- 277V AC single-phase input, 50/60Hz
- Designed for direct-drive blower replacement applications in commercial building systems
- Standard CCW Rotation (CW Rotation option available)
- 5 discrete speeds using 24VAC (3 using 18VDC); 600-1200 RPM
- Efficiency up to 80%
- Ready for Building Automation System Control interface using a PWM speed controller
- Constant torque with better External Static Pressure Control than standard PSC motors.
- Soft Start and Off Ramp for quieter operation



Item ID	H.P.	Volts	RPM	Amps	Rotation	Dim A (In.)	Dim B (In.)
<b>genteq - Evergreen CM Motors</b>							
<b>NEW</b> 6703	1/3	208-230/277	600-1200	2.8	Auto Sensing	9.17	5.25
<b>NEW</b> 6705	1/2	208-230/277	600-1200	4.1	Auto Sensing	9.67	5.75
<b>NEW</b> 6707	3/4	208-230/277	600-1200	6	Auto Sensing	10.42	6.5
<b>NEW</b> 6710	1	208-230/277	600-1200	7.6	Auto Sensing	11.17	7.25

## Comfort Select™ ~ FB ECM Motors

### High Efficiency Furnace Blower Motors Utilizing ECM Technology

Comfort Select~FB motors offer ultra quiet operation, premium air quality, and Green Choice® technology resulting in comfort for the home and comfort for the environment. Designed to replace PSC motors in residential and light commercial indoor blower applications.

#### Features

- Available in 1/2 HP and 1 HP configurations to replace 1/4 HP to 1 HP 6-pole PSC motors
- Rated for operation in 50°C ambient in a continuous air-over environment
- Advanced motor protection provides greater operating life and increased reliability
- Connects directly to the Control Board same as the PSC motor was connected
- Five speed taps provide speed-torque profiles similar to multi-speed PSC motors
- Automatic detection of correct rotation for both backward and forward curved blowers
- Peak efficiency up to 82%
- Class F motor insulation



Item ID	H.P.	Volts	RPM	Amps	Replaces
<b>Century - Comfort Select ~ FB ECM Motors</b>					
CS1056	1/2	208-277	1100-600	3.60-3.00	Emerson 5531ET
CS1106	1	208-277	1100-600	6.90-5.70	Emerson 5551ET

## ARKTIC™ 142 Motor

#### Features

- Shaft water slinger
- 26 inch cord set attached to motor
- Horizontal - vertical down orientation desired
- Totally enclosed, Non-vented (air-over ECM required)
- Designed for 50 or 60 Hertz operation
- RoHS compliant NEMA 48 Frame electronically commutated motor

#### Applications

- Designed primarily for use in the evaporator of commercial refrigeration and walk-in coolers and freezers as well as outdoor condensers, but can be used in many applications demanding high efficiency and dependability with output ratings between 1/5 - 1 H.P. including parallel rack fan motors.



Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings
<b>Morrill Motors</b>									
5R007	1/3	230	1075	2.60-3.50	1	CCW	1/2 x 4	10	Ball



## Drop In Replacements For Commercial Refrigeration Evaporator Fan Motors



### Features

- Energy savings ECM design
- Ball bearings
- 60 Hertz
- Replaces Heatcraft, Bohn, Chandler, Climate Control and Larkin
- 42 Frame
- Class B insulation
- Four mounting studs on each end
- Includes Lyall plug
- Replaces 1/15, 1/20, 1/25 HP PSC and lower efficient shaded pole designs

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Mounting	Replaces
<b>Packard</b>											
97801	1/15, 1/20, 1/25	120	1625	1.20	1	CWSE	5/16 x 2.95	2.85	Ball	Stud	Heatcraft 22617801 Heatcraft 22618001 Heatcraft 25307801 Heatcraft 25308001
97701	1/15, 1/20, 1/25	230	1625	0.70	1	CWSE	5/16 x 2.95	2.85	Ball	Stud	Heatcraft 22617701 Heatcraft 22617901 Heatcraft 25307701 Heatcraft 25307901

## 3.3 Inch Diameter Electronically Commutated Motors



Manufactured by



### Features

- Commercial refrigeration walk-in coolers and freezers, air-moving applications demanding high efficiency and dependability
- Efficiencies up to three times higher than shaded pole motors and 40% higher than PSC
- Ball bearing with low temperature grease
- Standard thru-bolt configuration
- All angle mount
- Totally enclosed, air over
- Rotation viewed opposite shaft end (OSE)
- Water Slinger
- Automatic overload
- 50/60 Hertz
- Single phase
- Single speed

Item ID	H.P.	Volts	RPM	Amps	OSE Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Enclosure	Mounting	Replaces
<b>Morrill Motors - Arctic 59 Model</b>											
35100	1/15	115	1550	1.30	CW	5/16 x 4 1/8	2 5/8	Ball	Totally Enclosed	Front or Rear Thru-Bolt	Larkin 253-1194
35101	1/15	115	1550	1.30	CCW	5/16 x 4 1/8	2 5/8	Ball	Totally Enclosed	Front or Rear Thru-Bolt	Bohn 5008S
35103	1/15	115	1550	1.30	CW	5/16 x 4 1/8	2 5/8	Ball	Totally Enclosed	Front (Shaft End) Only	GE 5SME59BLA1060
35102	1/15	115	1550	1.30	CCW	5/16 x 4 1/8	2 5/8	Ball	Totally Enclosed	Front (Shaft End) Only	GE 5SME59BLA1058
35200	1/15	208-230	1550	0.80	CW	5/16 x 4 1/8	2 5/8	Ball	Totally Enclosed	Front or Rear Thru-Bolt	Larkin 253-1195
35201	1/15	208-230	1550	0.80	CCW	5/16 x 4 1/8	2 5/8	Ball	Totally Enclosed	Front or Rear Thru-Bolt	Bohn 5008T
35203	1/15	208-230	1550	0.80	CW	5/16 x 4 1/8	2 5/8	Ball	Totally Enclosed	Front (Shaft End) Only	GE 5SME59BLA2061
35202	1/15	208-230	1550	0.80	CCW	5/16 x 4 1/8	2 5/8	Ball	Totally Enclosed	Front (Shaft End) Only	GE 5SME59BLA2059



## Electronically Commutated Motors

**ECR ONE**  
Constant Torque Motor



**ECR UltraSynch™**  
Constant Speed Motor



Item ID	Watts	Volts	RPM	Amps	Hertz
<b>ECR ONE</b>					
ECR01A0101	9	115	1550	0.23	60
ECR01A0102	12	115	1550	0.31	60
ECR01A0243*	16	115	1550	0.41	60

Item ID	Watts	Volts	RPM	Amps	Hertz
<b>ECR UltraSynch™</b>					
ECR92PJA12	9-16	120	1800	0.34	60

\*7 Drilled and tapped inserts for mounting.

### Applications

- Supermarket refrigeration, vending machines and other condenser and evaporator fan applications

### Features

- Drop in replacement for shaded pole and PSC motors
- Electronically commutated motors with integrated electronic control
- ECR up to 70%; UL approved
- IP55 moisture and dust protection
- Totally enclosed, ball bearings, CCWSE rotation, can be mounted in any position.
- Operating temperature of ECR ONE motors: -22°F to +122°F
- Operating temperature of ECR UltraSynch motors: -22°F to +104°F
- Motors are built using 30% less copper and 80% less steel for a greener, more affordable solution.
- ECR UltraSynch motor includes Lyall plug.
- ECR ONE is a constant torque motor and will replace a shaded pole motor of matching wattage using the same fan blade.
- ECR UltraSynch is a constant speed motor operating at 1800 RPM over a wide range of voltage and load conditions. **The correct fan blade must be specified to properly balance air flow.**

## High Efficient Motors - ECM-IP Series



ECHE0147  
ECHE0176  
ECHE0182



ECHE0170



### Features

- Electronically commutated - 115V, 50/60Hz
- Moisture protection: IP65
- Front mount: M4 studs on 3.72" B.C. for shroud / guard
- Drop-in replacement for front mount shaded pole / ECM
- CCW rotation from the shaft end
- All angle mount
- Totally enclosed
- Continuous air over
- Long-life sealed ball bearings

Item ID	Watts	Volts	RPM	Amps	Rotation	Length Less Shaft (In.)	Cord Length (In.)	Terminal / Plug	Replaces
<b>Elco</b>									
ECHE0147	12	115	1450	0.18	CCWSE	3.61	14	3 pin 90°	EDA12153UC0147 34410013 34410009 24681010
ECHE0170	12	115	1450	0.18	CCWSE	3.33	14	3 pin 90°	EDA12153UN0170 34410012 (For Fan 34415010)
ECHE0176	15	115	1600	0.22	CCWSE	4.00	16	2 pin 90°	EDA15253UC0176 P078449H
ECHE0182	10	115	1550	0.19	CCWSE	3.61	16	2 pin 90°	EDA10153UC0182 P079441C P066237A



## EM&S Unitronix Unit Bearing ECM Motors



**NEW**

### Features

- Patented EMS electronically commutated motor technology
- Drop in replacements for shaded pole and PSC unit bearing motors
- Utilizes traditional cast iron unit bearing design for proven, trouble free long life
- Up to 70% efficient
- Low heat rise maximizes system efficiency
- Maintains constant speed over a wide range of fan applications
- Special patented water protection package
- 60/50 Hz
- Includes Lyall plug
- Rotation determined viewing lead end
- 13 mounting holes
- UL and cUL recognized



Item ID	Watts	RPM	Volts	Amps	Rotation	Mounting Holes	Replaces
<b>Electric Motor &amp; Specialties</b>							
15621	6-12	1550	115	0.2 - 0.3	CWLE	5 REAR HOLES	Hussman, Hill, Kysor/Warren
15624	14-16	1550	115	0.47 - 0.58	CWLE	5 REAR HOLES	Hussman, Hill, Kysor/Warren



**NEW**

### Applications

- Commercial refrigeration walk in coolers and freezers, air moving applications demanding high efficiency

### Features

- Electronically commutated motor
- Drop in replacements for 3.3" Diameter Shaded Pole & PSC Motors
- Includes Lyall plug
- Unit Bearing
- Standard thru bolt configuration
- Totally enclosed, air over
- Rotation determined viewing the shaft end
- Automatic overload
- Efficiencies up to 3 times higher than shaded pole motors and 40% higher than PSC



Item ID	H.P.	RPM	Volts	Amps	Rotation	Mounting Holes	Replaces
<b>Electric Motor &amp; Specialties</b>							
15211	1/15-1/25	1550	115	1.25	CWSE	4 STUDS SE	Heatcraft, Bohn, and Krack
15212	1/15-1/25	1550	115	1.25	CCWSE	4 STUDS SE	Heatcraft, Bohn, and Krack
15221	1/15-1/25	1550	230	0.77	CWSE	4 STUDS SE	Heatcraft, Bohn, and Krack
15222	1/15-1/25	1550	230	0.77	CCWSE	4 STUDS SE	Heatcraft, Bohn, and Krack

## Solid State Commutated Unit Bearing Motors



10012  
10013  
10020  
10022  
20020  
20022



10035  
10036  
10040



10042



10050  
10052

### Features

- Direct drop-in replacements
- Ultimate commutated technology
- Unit bearing construction
- 100% performance tested
- Includes Lyall plug
- Rotation is determined by viewing opposite shaft end
- Peak efficiencies in excess of 80% means lower operating temperatures and extended motor life
- Constant 1550 RPM operating speed is identical on either 50 or 60 Hertz
- Constant 1550 RPM regardless of fluctuations in voltage

Item ID	Watts	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Hertz	Notes
<b>Morrill Motors</b>								
10012	6-12	115	1550	0.30	CW	1/4 Threaded	60	554
10013	6-12	115	1550	0.30	CCW	1/4 Threaded	60	554
10020	16-25	115	1575	0.60	CW	1/4 Threaded	60	554
10022	16-25	115	1575	0.60	CCW	1/4 Threaded	60	554
20020	16-25	208-230	1575	0.30	CW	1/4 Threaded	60	554
20022	16-25	208-230	1575	0.30	CCW	1/4 Threaded	60	554
10035	35-50	115	1550	0.90	CW	1/4 Threaded	50/60	
10036	35-50	208-230	1550	0.45	CW	1/4 Threaded	50/60	
10040	35-50	115	1550	0.90	CCW	1/4 Threaded	50/60	
10042	35-50	208-230	1550	0.45	CCW	1/4 Threaded	50/60	
10050	35-50	115	1550	0.90	CW	3/8 x 1 7/8	50/60	
10052	35-50	208-230	1550	0.45	CW	3/8 x 1 7/8	50/60	

### Notes:

554. Includes water shield to protect motor during coil cleaning



10112  
10113  
10116  
10215



10312



10313



10218  
10219

Item ID	Watts	Volts	RPM	Amps	Rotation	Plug	Hertz	Foot Pads	Material	Replaces
<b>Morrill Motors</b>										
10112	12	115	1550	0.30	CWLE	Straight 2 Prong Plug	50/60	Double	Aluminum	12CSHEMA1
10312	12	115	1550	0.30	CWLE	90 Degree 2 Prong Plug	50/60	Double	Aluminum	12CSHBV2
10313	12	115	1550	0.30	CWLE	90 Degree 2 Prong Plug	50/60	Double	Aluminum	12CSHEMV1
10113	16	115	1550	0.40	CWLE	Straight 2 Prong Plug	50/60	Double	Aluminum	13CSHEMA1
10215	12	230	1550	0.15	CWLE	Straight 2 Prong Plug	50/60	Double	Aluminum	15CSHEMA2
10116	25	115	1550	0.60	CWLE	Straight 2 Prong Plug	50/60	Double	Aluminum	16SCHEMA1
10218	38	115	1550	0.90	CCWLE	Straight 2 Prong Plug	50/60	Double	Cast Iron	18AHEMAR1
10219	38	208-230	1550	0.45	CCWLE	Straight 2 Prong Plug	50/60	Double	Cast Iron	19AHMAR2



## Electronically Commutated Refrigeration Motors And Fan Kits



Manufactured by



Item ID	ECR92950	ECR921200	ECR921400
Replaces	GE FAN PACK 5SME58AAF1430 900 & 950 RPM	GE FAN PACK 5SME58AAF1430 1100 & 1200 RPM	GE FAN PACK 5SME58AAF1430 1300 & 1400 RPM
Includes	<ul style="list-style-type: none"> <li>• ECR92JA12 Motor</li> <li>• IMS100059 Mounting Shroud</li> <li>• 8 Inch 15 Degree Fan Blade</li> </ul>	<ul style="list-style-type: none"> <li>• ECR92JA12 Motor</li> <li>• IMS100059 Mounting Shroud</li> <li>• 8 Inch 25 Degree Fan Blade</li> </ul>	<ul style="list-style-type: none"> <li>• ECR92JA12 Motor</li> <li>• IMS100059 Mounting Shroud</li> <li>• 8 Inch 28 Degree Fan Blade</li> </ul>

## 58MM ECM Fan Pack



### Features

- Includes basket w/ 9.8 bolt circle mounting and fan blade
- Lyall plug
- 40° to 55°C ambient operating temperature
- Variable torque, constant speed ECM motors
- Class B Insulation

Item ID	H.P.	Volts	RPM	Amps	Speeds	Hertz	Rotation	Bearing	Phase	CFM at 0.05" Static Pressure	Replaces
<b>Morrill Motors</b>											
5R026	Replaces up to 12W	115	1550	0.3	1	60	CW	Unit Bearing	1	330	3426B, SSC2B12CSHEMA1
5R027	Replaces up to 12W	115	1450	0.4	1	60	CW	Unit Bearing	1	370	3427B, SSC2B13CNHEMA1
5R028	Replaces up to 12W	115	1550	0.4	1	60	CW	Unit Bearing	1	400	3428B, SSC2B13CSHEMA1



# Green is good.

ECM motors offer numerous advantages including long-term energy savings, lower operating temperatures, precise air flow and rugged designs that help increase operational lifespan.

Invest today for savings tomorrow.



# SOMETIMES WE DON'T EVEN REALIZE THE THINGS WE COUNT ON TO STAY COMFORTABLE.

A homeowner may not realize how much they depend on quality HVAC parts like draft inducers to help them stay comfortable in the winter. And, as a wholesaler, you may not realize how much you count on your suppliers to bring you the parts your contractors need, when they need them. But, with [Packard](#) as your draft inducer source, you can count on it and so much more.

Count on [Packard](#) for:

- The widest variety of direct replacement draft inducers for popular and hard-to-find OEMs
- Detailed cross-referencing and technical support available
- The best value for your dollar with our Packard brand draft inducer line

## Aladdin Steel

Replaces	
7002-2983	230-1460
Item ID	A120
H.P.	1/40
Volts	120
RPM	3000
Amps	1.10
Speeds	2
Type	Shaded Pole
Enclosure	Open
Bearing	Ball
Hertz	60



## Amana

Replaces		
098862-1	D68862-1	D98862-1
7021-9259	7021-9574	7021-9924
Item ID	82862	
H.P.	1/35	
Volts	208-240	
RPM	3000	
Amps	0.50-0.59	
Speeds	1	
Type	Shaded Pole	
Bearings	Sleeve	
Enclosure	Open	
Hertz	60	
Overload	Automatic	



## Amana

Replaces	
20190601	7021-9625
Item ID	A180
H.P.	1/30
Volts	115
RPM	3400
Amps	1.80
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic



## Amana

Replaces	
D98686-7	7062-3151
Item ID	A158
H.P.	1/25
Volts	115
RPM	3450
Amps	0.70
Speeds	1
Type	PSC
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic



## Armstrong

Replaces	
40404-003	117521-00
Item ID	66404
Volts	115
RPM	3200
Amps	1.20
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic



## Carrier

Replaces	
HC24HE230	J238-150-15103
Item ID	65230
Watts	28
Volts	208-230
RPM	3000
Amps	0.80
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic



## Carrier

Replaces	
HC21ZE118	
Item ID	65118
H.P.	1/30
Volts	115
RPM	2800/2500
Amps	1.80/0.60
Speeds	2
Type	Shaded Pole
Bearings	Ball
Hertz	60
Overload	Automatic



**! Don't Forget**  
 BW11046  
 Blower Wheel  
 See Page 191



## Carrier

Replaces	
HC21ZE123A	
Item ID	65123
Stack Size (In.)	1.50
Volts	115
RPM	3000
Amps	1.50
Rotation	CCWLE
Speeds	1
Type	Shaded Pole
Bearings	Ball
Hertz	60
Overload	Automatic



**NEW**



## Carrier



**Replaces**  
HC24HE230

<b>Item ID</b>	<b>65570</b>
H.P.	25 MHP
Volts	230
RPM	3000
Amps	0.80
Speeds	1
Shaft Dimension (In.)	1 x 5/16 x 1 7/8
Length Less Shaft (In.)	3 5/8
Type	Shaded Pole
Bearings	Ball
Hertz	60
Overload	Automatic



A65569BW  
4" x 1.5" CCW  
5/16" Bore  
Blower Wheel

Replace Carrier LA11AA005



**Replaces**  
HC21ZE117B HC660-005

<b>Item ID</b>	<b>65569</b>
H.P.	25 MHP
Volts	115
RPM	3300
Amps	1.80
Speeds	1
Shaft Dimension (In.)	1 x 5/16 x 1 7/8
Length Less Shaft (In.)	3 3/8
Type	Shaded Pole
Bearings	Ball
Hertz	60
Overload	Automatic



A65569BW  
4" x 1.5" CCW  
5/16" Bore  
Blower Wheel

Replace Carrier LA11AA005

## Carrier



**Replaces**  
48GS400106 48GS400649

<b>Item ID</b>	<b>66649</b>
H.P.	1/16
Volts	208-230
RPM	3450
Amps	0.5
Speeds	1
Rotation	CCW
Type	PSC
Bearings	Ball
Enclosure	Open
Hertz	60



**Replaces**  
50DK406815 HC30GB232

<b>Item ID</b>	<b>66815</b>
H.P.	1/16
Volts	208-230
RPM	3450
Amps	0.48
Speeds	1
Rotation	CCW
Type	PSC
Bearings	Ball
Enclosure	Open
Hertz	60



## Carrier



**Replaces**  
8251510431 JA1M086 JA1M147  
JA1M147N P251-2916

<b>Item ID</b>	<b>82121</b>
H.P.	1/33
Volts	115
RPM	3000
Amps	1.10
Speeds	1
Shaft Dimension (In.)	5/16 x 2 1/8
Length Less Shaft (In.)	3 3/8
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

## Carrier



**Replaces**  
HC24AU725B JA1P053 P251-2307

<b>Item ID</b>	<b>82180</b>
H.P.	1/20
Volts	115
RPM	3300
Amps	1.54
Speeds	1
Shaft Dimension (In.)	5/16 x 2 1/8
Length Less Shaft (In.)	3 5/8
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

## Carrier

## Carrier



**Replaces**  
HC24AU600 HC24AU600B HC24AO701

<b>Item ID</b>	<b>82520</b>
H.P.	1/20
Volts	115/230
RPM	3000
Amps	2.00/1.00
Speeds	1
Rotation	CW
Shaft Dimension (In.)	1/4 x 2 1/2
Length Less Shaft (In.)	5 5/8
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

Notes:  
56. Includes 5/16" Shaft Adapter

## Carrier



**Replaces**  
HC24AU700 HC24AU710

<b>Item ID</b>	<b>82521</b>
H.P.	1/15
Volts	115/230
RPM	3000
Amps	2.00/1.00
Speeds	1
Rotation	CCW
Shaft Dimension (In.)	1/4 x 2 1/2
Length Less Shaft (In.)	5 5/8
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

Notes:  
56. Includes 5/16" Shaft Adapter



**NEW**

## Coleman Evcon

### Replaces

373-19801-820 373-19801-821

<b>Item ID</b>	<b>65475</b>
H.P.	1/150
Volts	115
RPM	3315
Amps	0.4
Speeds	1
Rotation	CCWSE
Type	Shaded Pole
Bearings	Ball
Hertz	60
Overload	Automatic



Notes: C-Frame motor with centrifugal switch

## Coleman Evcon

### Replaces

7990-317P 7102-2187

<b>Item ID</b>	<b>K629</b>
Stack Size (In.)	1
H.P.	1/85
Volts	115
RPM	2950
Amps	0.67
Speeds	1
Rotation	CW
Shaft Dimension (In.)	1/4 x 1 1/8
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

## Dunkirk

### Replaces

433-00-510



<b>Item ID</b>	<b>82052</b>
H.P.	1/50
Volts	115
RPM	3000
Amps	1.00
Speeds	1
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic



## Fedders

### Replaces

031-7059

<b>Item ID</b>	<b>82618</b>
H.P.	1/35
Volts	115/230
RPM	3000
Amps	0.90/0.45
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

## Goodman

### Replaces

11009001 11009002 11009003



<b>Item ID</b>	<b>66003</b>
Volts	115
RPM	3250
Amps	0.92
Speeds	1
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic



## Goodman

### Replaces

5KSB46GF0001S B4833000

<b>Item ID</b>	<b>48331</b>
Volts	115
RPM	3200
Amps	1.80
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic
Includes	Rubber Boot

## Goodman

### Replaces

5KSB46GF0003S B48330001



<b>Item ID</b>	<b>48332</b>
Volts	115
RPM	3200/2800
Amps	1.80/1.10
Speeds	2
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic
Includes	Rubber Boot



## Goodman

### Replaces

B1859000 B1859000S

<b>Item ID</b>	<b>82483</b>
H.P.	1/50
Volts	115
RPM	3000
Amps	1.00
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Totally Enclosed
Hertz	60
Overload	Automatic

## Goodman



Replaces		
B2833001S	B2833001	7021-9000
7021-9087	FB-RFB140	
Item ID	A140	
H.P.	1/50	
Volts	115	
RPM	3400	
Amps	1.40	
Speeds	1	
Type	Shaded Pole	
Bearings	Sleeve	
Enclosure	Open	
Hertz	60	
Overload	Automatic	

## Goodman



Replaces	
B4059000	7002-3036
Item ID	A182
H.P.	1/35
Volts	115
RPM	3125
Amps	1.20
Speeds	1
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

## Goodman



Replaces		
B4059000	J238-112-11195	7002-3036
J238-11195		
Item ID	66590	
H.P.	1/30	
Volts	115	
RPM	3000	
Amps	1.50	
Speeds	1	
Type	Shaded Pole	
Bearings	Ball	
Enclosure	Open	
Hertz	60	
Overload	Automatic	

## Goodman



Replaces	
B1859005	J238-11128
Item ID	66005
H.P.	1/30
Volts	115
RPM	3000
Amps	1.60
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

## Goodman



Replaces		
0131M00002P	0131M00002S	
119276-00		
Item ID	66002	
H.P.	1/35	
Volts	115	
RPM	3000	
Amps	1.90	
Speeds	1	
Type	Shaded Pole	
Bearings	Ball	
Enclosure	Open	
Hertz	60	
Overload	Automatic	
Includes	Gasket	

## Goodman



Replaces	
B295900	7021-8656
Item ID	A162
H.P.	1/50
Volts	208-230
RPM	3000
Amps	0.50
Speeds	1
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

## Heat n' Glow



Replaces	
7002-1241	
Item ID	A133
Volts	115
RPM	3000
Amps	1.20
Speeds	1
Type	Shaded Pole
Enclosure	Open
Hertz	60

## Heil-Quaker



Replaces		
5C085	610672	HQ610672
Item ID	A064	
H.P.	1/55	
Volts	115	
RPM	3150	
Amps	0.70	
Speeds	1	
Type	Shaded Pole	
Bearings	Sleeve	
Enclosure	Open	
Hertz	60	
Overload	Automatic	

## ICP



### Replaces

1012002 1013388A  
1014338

### Item ID 66338

H.P.	50 MHP
Volts	115
RPM	3000
Amps	2.40
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Totally Enclosed
Hertz	60
Overload	Automatic

## ICP



### Replaces

1010324 1010238P  
1013833

### Item ID 66833

H.P.	28 MHP
Volts	115
RPM	3000
Amps	1.60
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

## ICP



### Replaces

1054268P 7021-7617 7021-9237  
HQ1054268FA

### Item ID A148

H.P.	1/50
Volts	208-230
RPM	3000
Amps	0.50
Speeds	1
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

## ICP



### Replaces

1110008 1085571 1085571P  
7021-10048 7021-10580

### Item ID 66254

H.P.	1/50
Volts	230
RPM	3000
Amps	0.30
Speeds	1
Type	PSC
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

## ICP



### Replaces

1010975 1010975P

### Item ID A172

H.P.	1/35
Volts	115
RPM	3000
Amps	1.60
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

## ICP



### Replaces

1054268P

### Item ID 82148

H.P.	1/30
Volts	208-230
RPM	3000
Amps	0.50
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

## ICP



### Replaces

1000814 1001371 1001609 1002543  
1007360 1011350 1150474 HQ1011350

### Item ID 66350

H.P.	1/25
Volts	115
RPM	3350
Amps	0.92
Speeds	1
Type	PSC
Bearings	Ball
Enclosure	Open
Overload	Automatic
Hertz	60
Includes	5MFD Capacitor

## ICP



### Replaces

1010312 1010526 1010928  
1011095 1011097 1011409  
1164280

### Item ID A170

H.P.	1/25
Volts	115
RPM	3400
Amps	2.30
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

## ICP



Replaces	
1006168	
Item ID	82672
H.P.	1/60
Volts	115
RPM	3300
Amps	0.90
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

## ICP



Replaces		
1010491	1010527P	1011096
1011410		
Item ID	A171	
H.P.	1/25	
Volts	115	
RPM	3450	
Amps	0.70	
Speeds	1	
Type	PSC	
Bearings	Ball	
Enclosure	Open	
Hertz	60	
Overload	Automatic	

## ICP



Replaces	
1149097	1008416P
Item ID	A307
H.P.	1/24
Volts	115
RPM	3450
Amps	0.70
Speeds	1
Type	PSC
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic



## ICP

Replaces	
1011350	HQ1011350
HQ1011350FA	R7-RFB350
Item ID	A173
H.P.	1/18
Volts	115
RPM	3450
Amps	0.80
Speeds	1
Type	PSC
Enclosure	Open
Bearings	Ball
Hertz	60
Overload	Automatic

## ICP



Replaces		
1010238P	1010324	1708-607
1708-607P	R7-RFB134	7021-7700
7021-8735	7021-8736	7021-9335
Item ID	A134	
H.P.	1/25	
Volts	115	
RPM	3060	
Amps	1.50	
Speeds	1	
Type	Shaded Pole	
Bearings	Sleeve	
Enclosure	Open	
Hertz	60	
Overload	Automatic	



## Johnson

Replaces	
8973C	
Item ID	80280
H.P.	1/60
Volts	230
RPM	3000
Amps	0.55
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

## Lennox



Replaces		
31L5501	101202-01	24W95
7002-2975	102359-01	
Item ID	66501	
H.P.	1/30	
Volts	115	
RPM	3000	
Amps	1.20	
Speeds	1	
Type	Shaded Pole	
Bearings	Ball	
Enclosure	Open	
Hertz	60	
Overload	Automatic	



## Lennox

Replaces	
88K8401	J238-087-8171
Item ID	66401
H.P.	1/60
Volts	120
RPM	2800
Amps	1.30
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

## Lennox



Replaces	
47H12	LB-82590CA
Item ID	82590
H.P.	115
RPM	3000
Amps	1.20
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

## Lennox



Replaces		
67K0401	67K0401P	7021-9450
FB-RFB547		
Item ID	A163	
H.P.	1/20	
Volts	115	
RPM	3400	
Amps	1.80	
Speeds	1	
Type	Shaded Pole	
Bearings	Ball	
Enclosure	Open	
Hertz	60	
Overload	Automatic	

## Lennox



Replaces	
313L5501	7002-2975
Item ID	A200
H.P.	1/30
Volts	115
RPM	3000
Amps	1.35
Speeds	1
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

## Lennox



Replaces	
7021-10046	
Item ID	A155
H.P.	1/30
Volts	115
RPM	3000
Amps	1.40
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

## Lennox



Replaces		
45037-1P	46087-001	45037-001
7021-10602	7021-11106	7021-11174
Item ID	A202	
H.P.	1/30	
Volts	115	
RPM	3400	
Amps	1.80	
Speeds	1	
Type	Shaded Pole	
Bearings	Ball	
Enclosure	Open	
Hertz	60	
Overload	Automatic	

## Miller



Replaces	
303875000	
Item ID	80270
H.P.	1/50
Volts	115/230
RPM	3000
Amps	0.90/0.45
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

## Rheem



Replaces		
70-21496-01	7021-5239	JAIM102
Item ID	A090	
H.P.	1/50	
Volts	115	
RPM	3000	
Amps	1.10	
Speeds	1	
Type	Shaded Pole	
Bearings	Sleeve	
Enclosure	Open	
Hertz	60	
Overload	Automatic	

## Rheem



Replaces	
70-101087-81	7021-11559
Item ID	66781
H.P.	1/50
Volts	115
RPM	3000
Amps	0.60
Speeds	1
Type	PSC
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

## Rheem



Replaces		
117104-01	117847-07	70-22838-82
70-24157-03		

Item ID	66847
H.P.	1/30
Volts	120
RPM	3000
Amps	1.70
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic



Replaces	
70-23641-81	

Item ID	82641
H.P.	1/25
Volts	208-230
RPM	3200
Amps	0.62
Speeds	1
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

## Rheem



Notes: C-Frame motor with centrifugal switch

Replaces	
51-21964-01	51-21964-11

Item ID	K628
Stack Size (In.)	3/4
Volts	208-230
RPM	3000
Amps	0.25
Speeds	1
Rotation	CW
Shaft Dimension (In.)	1/4 x 1 1/2
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic



Replaces	
70-23641-81	

Item ID	A241
H.P.	1/25
Volts	208-230
RPM	3200
Amps	0.62
Speeds	1
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

## Rheem



Notes: C-Frame motor with centrifugal switch. This Kit contains one motor and three fan blades each with 10 blades and 1/4" diameter bore, in diameters of 3", 3 1/2", and 4"

Replaces	
51-21964-11	

Item ID	21964K
Stack Size (In.)	3/4
Volts	208-230
RPM	3000
Amps	0.25
Speeds	1
Rotation	CW
Shaft Dimension (In.)	1/4 x 1 1/2
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic



Replaces	
MTR136PK	

Item ID	82136
H.P.	1/35
Volts	208-230
RPM	3000
Amps	0.56
Speeds	1
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

## Trane



Replaces	
X38040253057	

Item ID	82057
H.P.	1/40
Volts	115
RPM	3000
Amps	1.00
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic



Replaces		
210330673	210340125	X38040305017
7021-8428	D330809P01	R7-RFB143

Item ID	A143
H.P.	1/50
Volts	115
RPM	3000
Amps	0.95
Speeds	1
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

## Trane



### Replaces

D330787P01 D330809P01 BLW473  
X38040305010 X38040305017

### Item ID 66787

H.P.	1/30
Volts	120
RPM	3000
Amps	1.20
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic
Includes	Special Plug

## Trane



### Replaces

C661452P01 X38080029010

### Item ID A150

H.P.	1/35
Volts	208-230
RPM	3000
Amps	0.50
Speeds	1
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

## Trane



### Replaces

X38040253057 7021-8569

### Item ID A192

H.P.	1/40
Volts	115
RPM	3000
Amps	1.00
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

## York



### Replaces

7062-2442 7062-3342 7062-3484

### Item ID A137

H.P.	1/25
Volts	115
RPM	3450
Amps	0.70
Speeds	1
Type	PSC
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

## York



### Replaces

026-33999-001

### Item ID A223

H.P.	1/30
Volts	208-230
RPM	3200
Amps	0.64
Speeds	1
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic

## York



### Replaces

7021-11577 17503 7021-11577S  
7021-11830 024-34558-000

### Item ID A225

H.P.	1/15
Volts	115
RPM	3200
Amps	2.25
Speeds	1
Type	Shaded Pole
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

## York



### Replaces

024-25960-000 7062-3958

### Item ID A165

H.P.	1/25
Volts	115
RPM	3450
Amps	0.70
Speeds	1
Type	PSC
Bearings	Ball
Enclosure	Open
Hertz	60
Overload	Automatic

## York



### Replaces

026-33999-001

### Item ID 82999

H.P.	1/30
Volts	208-230
RPM	3200
Amps	0.64
Speeds	1
Type	Shaded Pole
Bearings	Sleeve
Enclosure	Open
Hertz	60
Overload	Automatic





## Carrier

**Replaces**  
LA11AA005

<b>Item ID</b>	<b>A65569BW</b>
Diameter (In.)	4
Width (In.)	1 1/2
Rotation	CCW
Bore (In.)	5/16



## Fasco

<b>Item ID</b>	<b>A167</b>
Nameplate CFM	30
Volts	115
RPM	2900
Amps	0.4
Speeds	1
Rotation	CW
Type	Shaded Pole
Bearings	Sleeve



## Carrier

**Replaces**  
LAXA046

<b>Item ID</b>	<b>BW11046</b>
Diameter (In.)	4 1/2
Width (In.)	1 5/8
Rotation	CCW
Bore (In.)	1/4



## Fasco

<b>Item ID</b>	<b>B30</b>
Nameplate CFM	45
Volts	115
RPM	3200
Amps	0.59
Speeds	1
Rotation	CW
Type	Shaded Pole
Bearings	Sleeve



## Carrier

**Replaces**  
LA21RB549

<b>Item ID</b>	<b>BW16549</b>
Diameter (In.)	5 1/4
Width (In.)	1
Rotation	CW
Bore (In.)	5/16



## Fasco

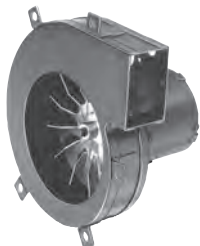
<b>Item ID</b>	<b>A071</b>
Nameplate CFM	71
Volts	115
RPM	2850
Amps	0.7
Speeds	1
Rotation	CCW
Type	Shaded Pole
Bearings	Sleeve



## Carrier

**Replaces**  
LA21RB548

<b>Item ID</b>	<b>BW16548</b>
Diameter (In.)	5 3/4
Width (In.)	1
Rotation	CW
Bore (In.)	5/16



## Fasco

<b>Item ID</b>	<b>A082</b>
Nameplate CFM	75
Volts	115
RPM	2800
Amps	0.95
Speeds	1
Rotation	CW
Type	Shaded Pole
Bearings	Sleeve



## Fasco

Item ID	B75
Nameplate CFM	75
Volts	115
RPM	3200
Amps	0.59
Speeds	1
Rotation	CW
Type	Shaded Pole
Bearings	Sleeve



## Fasco

Item ID	A166
Nameplate CFM	115
Volts	115
RPM at Free Air	3200
Amps at Free Air	1.40
Hertz	50/60



## Fasco

Item ID	A125
Nameplate CFM	125
Volts	115
RPM	3200
Amps	1.1
Speeds	1
Rotation	CW/CCW
Type	Shaded Pole
Bearings	Sleeve



## Fasco

Item ID	B24220
Nameplate CFM	135
Volts	115
RPM	2600
Amps	1.3
Speeds	1
Rotation	CW
Type	Shaded Pole
Bearings	Sleeve



## Fasco

Item ID	B47120
Nameplate CFM	180
Volts	115
RPM at Free Air	1360/1100/830
Amps at Free Air	1.95
Speeds	3
Bearing	Sleeve
Hertz	60



## Fasco

Item ID	A212
Nameplate CFM	212
Volts	115
RPM	2500
Amps	1.25
Speeds	1
Rotation	CW/CCW
Type	Shaded Pole
Bearings	Sleeve



## Fasco

Item ID	B45227
Nameplate CFM	265
Volts	115
RPM	1650
Amps	1.86
Speeds	1
Rotation	CW
Type	Shaded Pole
Bearings	Sleeve



## Fasco

Item ID	B45227-2
Nameplate CFM	265
Volts	230
RPM	1650
Amps	0.93
Speeds	1
Rotation	CW
Type	Shaded Pole
Bearings	Sleeve

## Fasco



Item ID	A455
Nameplate CFM	455
Volts	115
RPM	1500/1100
Amps	1.5
Speeds	2
Rotation	CW
Type	Shaded Pole
Bearings	Sleeve

## Fasco



Item ID	B45230
Nameplate CFM	460
Volts	208-230
RPM	1600/1400
Amps	1.2
Speeds	2
Rotation	CCW
Type	Shaded Pole
Bearings	Sleeve

## Fasco



Item ID	B45267
Nameplate CFM	460
Volts	115
RPM at Free Air	1600/1400
Amps at Free Air	2.90
Speeds	2
Bearing	Sleeve
Hertz	60

## Fasco



Item ID	B68042
Nameplate CFM	815
Volts	115
RPM	1100
Amps	5.6
Speeds	1
Rotation	CW
Type	Shaded Pole
Bearings	Sleeve

## Fasco



Item ID	A1000
Nameplate CFM	1000
Volts	115/230
RPM	1100/1100
Amps	4-2.9/2-1.4
Speeds	2
Rotation	CW
Type	Shaded Pole
Bearings	Sleeve

## Fasco



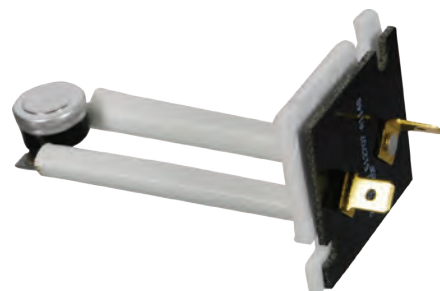
Item ID	A1200
Nameplate CFM	1200
Volts	115/230
RPM	1500/140
Amps	8-6.8/4-3.4
Speeds	2
Rotation	CW
Type	Shaded Pole
Bearings	Sleeve



## Did you know?

WE OFFER A NEW LINE OF PLENUM THERMOSTATS TO REPLACE A VARIETY OF POPULAR OEMS. STOCK UP ON THESE FURNACE ESSENTIALS.

FIND THEM ON PAGE 163.



## Direct OEM Replacements for Water Heaters



Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Enclosure	Replaces
<b>American Water Heater Replacement</b>										
W1	1/25	115	3210	1.90	1	CW	SP	Sleeve	OFC	American Water Heater 3000288
<b>AO Smith Replacements</b>										
W2	1/14	115	3275	2.30	1	CW	SP	Ball	Open	AO Smith 183505-000
W4	1/20	115	3400	1.80	1	CCW	SP	Sleeve	Open	AO Smith 183381-000
<b>Bradford White Replacements</b>										
W3	1/17	115	3000	1.80	1	CCW	SP	Sleeve		Bradford White 117524-00 Bradford White 239-39785-00
W5	1/14	115	3275	2.50	1	CW	SP	Ball	Open	Bradford White 239-42133-00B
W6	1/15	115	3000	2.20	1	CCW	SP	Sleeve	Open	Bradford White 239-40614-00C
W11	1/12	120	3000	3.1	1	CW	SP	Ball		Bradford White 265-45584-00
<b>GSW Replacements</b>										
W7	1/25	115	3200	1.30	1	CW	SP	Sleeve	OFC	GSW 63217
W8	1/25	115	3200	1.30	1	CW	SP	Sleeve	OFC	GSW 63172
<b>State Ind. Replacements</b>										
W9	1/60	115	3000	0.95	1	CW	SP	Sleeve	OFC	State Ind. 0012400500
W10	1/20	115	3400	1.80	1	CCW	SP	Sleeve	OFC	State Ind. 0012400540

## Transflow Blowers



Item ID	Nameplate CFM	Volts	RPM at Free Air	Amps at Free Air	Speeds	Type	Enclosure	Hertz	Overload	Phase	Static Pressure 0.1 in.	Static Pressure 0.2 in.
<b>Fasco</b>												
B22505	80	115	3200	0.55	1	Shaded Pole	Open	50/60	Automatic	1	57	22
B22508	105	115	1500	0.70	1	Shaded Pole	Open	60	Automatic	1	100	60
B22507	115	115	3100	0.85	1	Shaded Pole	Open	50/60	Automatic	1	90	40
B22510	150	115	3100	1.00	1	Shaded Pole	Open	50/60	Automatic	1	125	83
B22513	215	115	2780	1.30	1	Shaded Pole	Open	60	Automatic	1	196	70

# LOST IN A CROSS-REFERENCING MAZE?



  
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A087



OAN470



OAN010



OAN1076  
OAN1076V1



OAN140



OAN460



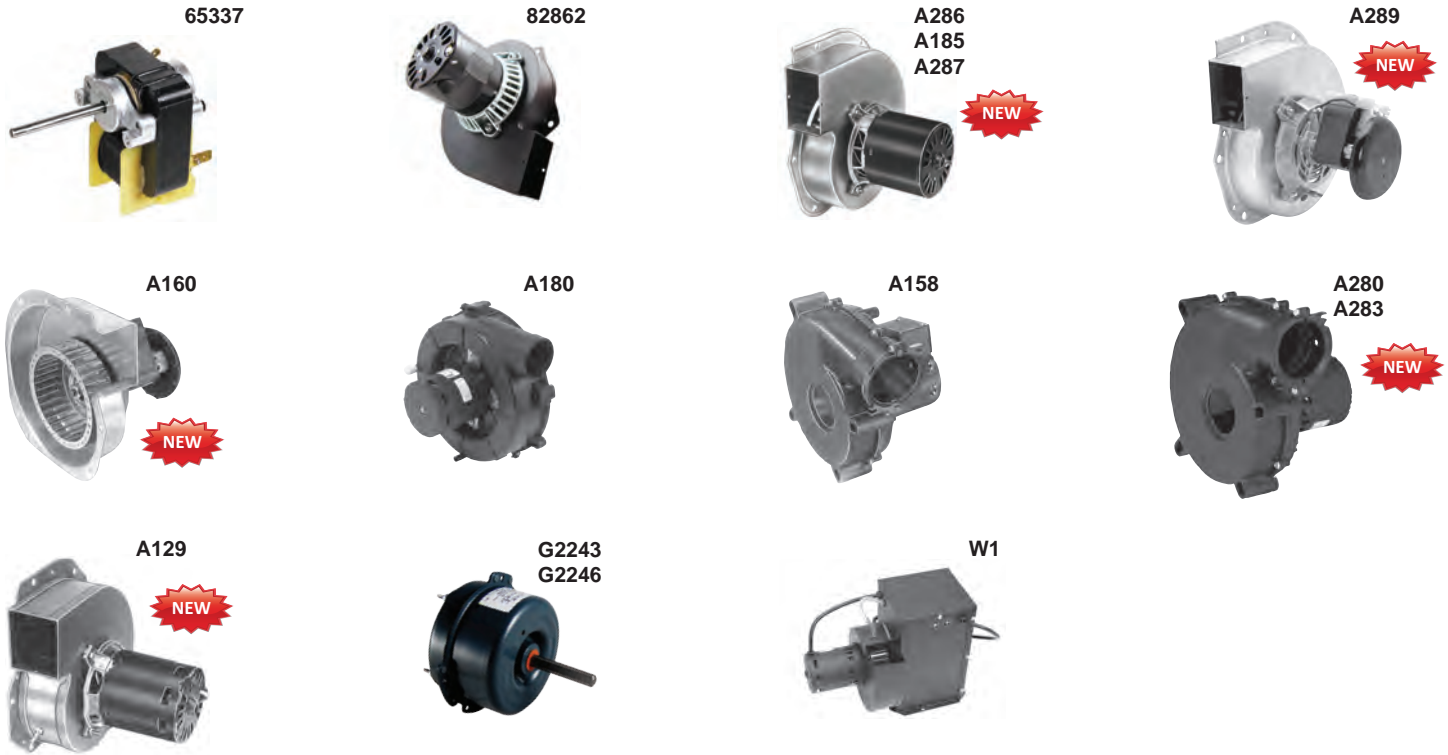
OAN747

## Air Plus

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Enclosure	Diameter (In.)	Hertz	Replaces
<b>NEW</b> A087	1/6	115/230	2400	2.8/1.1	1	CCW	PSC	Sleeve	Open	3.3	50/60	7062-3496 7062-4087 7062-4687

## Aaon

Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Bearings	Dia. (In.)	ENCL.	Mounting	Capacitor	Replaces
OAN470	1/4	460/380-415	3200	0.90	CCWLE	1/2 x 3 1/4	5.49	Ball	5 5/8	Open	Horizontal	5M/370V	P48470 FS48S08A27
OAN010	1/3	460	1100	1.00	CCWLE	1/2 x 3 1/4	4.74	Ball	5 5/8	Semi	Vertical Shaft Up	7.5M/370V	P63010 F48A11A27C
OAN1076	3/4	460	1075	2.60	CWSE	1/2 x 4.00	6.0	Ball	5 5/8	TEAO	Belly Band	12.5MFD/37	F48F37A27 F48SP6V9
<b>NEW</b> OAN1076V1	3/4	460/380-415	1075	2.8-1.8	CWSE	1/2 x 2.825	7.38	Ball	5 5/8	TEAO	Belly Band	12.5MFD/37	F48K04A27
OAN140	3/4	460	1075	2.75	CCWLE	1/2 x 4	6.36	Ball	5 5/8	Semi	Vertical Shaft Up with Belly Band	12.5M/370V	P99140 F48R38A27C
OAN460	3/4	208-230	1075	5.40	CCWLE	1/2 x 3	7.36	Ball	5 5/8	Semi	Vertical Shaft Up	15M/370V	P85460 F48K44A27C
<b>NEW</b> OAN747	3/4	460	1075	2.00	CCWLE	1/2 x 3 1/4	7.11	Ball	5 5/8	Semi	Vertical Shaft Up with Belly Band	15M/370V	R17470 F48U09A27



## Amana

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Enclosure	Hertz	Replaces
65337	—	120	3000	0.68	1	CCW	SP	Sleeve	Open	60	C87131-1
82862	1/35	208-240	3000	0.50-0.59	1	CW	SP	Sleeve	Open	60	098862-1 7021-9259
<b>NEW</b> A286	1/35	208/230	3125	0.6	1	CW	SP	Sleeve	Open	60	11096904 7021-9398
<b>NEW</b> A289	1/32	208/230	3125	0.75	1	CW	SP	Ball	—	60	20351402 7058-0081
<b>NEW</b> A160	1/30	115	3000	1.6	1	CW	SP	Sleeve	—	60	20044401 7021-8252 7002-2407
A180	1/30	115	3400	1.80	1	CCW	SP	Ball	Open	60	20190601 7021-9625
<b>NEW</b> A185	1/30	115	3000	1.15	1	CW	SP	Sleeve	Open	60	105854-04 7021-9316
A158	1/25	115	3450	0.70	1	CW	PSC	Sleeve	Open	60	D98686-7 7062-3151
<b>NEW</b> A280	1/25	115	3000	1.5	1	CW	SP	Sleeve	Open	60	D986868 7021-7794
<b>NEW</b> A283	1/25	115	3000	1.5	1	CCW	SP	Sleeve	Open	60	D9868617 7021-8730
<b>NEW</b> A287	1/25	115	3000	1.15	1	CW	SP	Sleeve	Open	60	10585405 7021-9655
<b>NEW</b> A129	1/20	115	3250	1.95	1	CW	SP	Sleeve	Open	60	7021-9064 7021-9259
G2243	1/10	208-230	1100	0.74	1	CWLE	PSC	Ball	TE	60	20181701
G2246	1/5	208-230	1080	1.60	1	CWLE	PSC	Ball	TE	60	20181702

## American Water Heater

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	ENCL.	Replaces
W1	1/25	115	3210	1.90	1	CW	SP	Sleeve	OFC	3000288



W4



W2



66404



OBK6002V1



W3



W6



W5

## A.O. Smith

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	ENCL.	Replaces
W4	1/20	115	3400	1.80	1	CCW	SP	Sleeve	Open	183381-000 7021-10195 7021-10910
W2	1/14	115	3275	2.30	1	CW	SP	Ball	Open	183505-000 7021-10770

## Armstrong

Item ID	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Enclosure	Hertz	Overload	Replaces
66404	115	3200	1.20	1	CWLE	SP	Ball	Open	60	Automatic	40404-003 117521-00 7021-12439

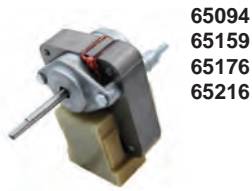
## Beckett

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft		Type	Bearings	Enclosure	Frame	Hertz	Mounting	Replaces
							Dimension (In.)	Type							
OBK6002V1	1/7	115	3450	1.80	1	CWOSE	1/2 x 1 7/8	PSC	Ball	Totally Enclosed	48M	60	M Flange	21805U 621945	

## Bradford White

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	ENCL.	Replaces
W3	1/17	115	3000	1.80	1	CCW	SP	Sleeve	Open	117524-00 239-39785-00
W6	1/15	115	3000	2.20	1	CCW	SP	Sleeve	Open	239-40614-00C 7021-9764
W5	1/14	115	3275	2.50	1	CW	SP	Ball	Open	239-42133-00B 7021-10712





65094  
65159  
65176  
65216



65366



69316  
69317



82048



82583  
82633  
82584



40752



82152



D1087



**Broan**

Item ID	Stack Size (In.)	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Enclosure	Replaces	Notes
65094	7/8	—	120	3000	0.75	1	CCW	7/32 x 1 3/8	—	SP	Sleeve	Open	99080094 99080099 99080166	42 491
65159	7/8	—	120	3000	0.71	1	CCW	1/4 x 2 3/4	—	SP	Sleeve	Open	99080159	491
65176	1 1/8	—	120	3000	1.00	1	CW	7/32 x 1 1/2	—	SP	Sleeve	Open	99080176	42
65216	5/8	—	120	3000	0.51	1	CCW	0.181 x 1 1/2	—	SP	Sleeve	Open	99080090 99080216	42 45
65366	5/8	—	120	3000	0.50	2	CCW	3/16 x 1 1/4	—	SP	Sleeve	Open	99080365	45 513
69316	—	—	115	1100	3.40	1	CWSE	1/2 x 3 1/16	2 5/8	SP	Sleeve	Open	97009316	
69317	—	—	115	1100	4.30	1	CWSE	1/2 x 2 5/8	2 1/4	SP	Sleeve	Open	97009317 99080267	
82048	—	20 MHP	120	1600	0.90	1	CW	5/16 x 2 1/16	2 1/4	SP	Sleeve	Open	97008342 99080048J 99080050 7163-9263	482
82583	—	1/100	120	1550	0.55	1	CCW	5/16 x 1 3/4	2 1/2	SP	Sleeve	Open	97008583	45 513
82633	—	1/50	120	1400	0.78	1	CW	5/16 x 1 3/8	2 1/2	SP	Sleeve	Open	99080273 99080274 99080633	
40752	—	1/40	120	1500	1.30	1	CCW	1/4 x 1 1/2	2 1/8	SP	Sleeve	Open	97009752 99080096 99080345	512
82584	—	1/30	120	1550	1.30	1	CCW	5/16 x 1 7/8	2 1/2	SP	Sleeve	Open	97008584	513
82152	—	1/20	120	1550	1.79	3	CCWLE	1 3/4 x 5/16 x 1 3/4	3	SP	Sleeve	Open	99080152	42
<b>NEW</b> D1087	—	1/12	115	1050	2.90	1	CW	1/2 x 2 1/3	2 5/8	SP	Sleeve	Open	99080178 7151-3160	

Notes:  
42. Includes Cord and Plug  
45. Impedance protected

482. Two prong plugs and cord attached  
491. Has a flattened shaft

512. With cord and 2 prong 90 degree plug  
513. Special plug and cord attached

A65216FB



Item ID	Bore (In.)	Diameter (In.)	Bore	Replaces
A65216FB	3/16	4 1/2	D Shape	99110379



## Carrier

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Replaces
65123	—	115	3000	1.50	1	CCWLE	3/4 x 5/16 x 1 5/8	2.54	SP	Ball	HC21ZE123A
65569	25 MHP	115	3300	1.80	1	CW	1 x 5/16 x 1 7/8	3 3/8	SP	Ball	HC21ZE117B 318984-753
65570	25 MHP	230	3000	0.80	1	CW	1 x 5/16 x 1 7/8	3 5/8	SP	Ball	HC24HE230
65230	28 Watts	208-230	3000	0.80	1	CWSE	—	—	SP	Ball	HC24HE230
<b>NEW</b> 82455	1/40	115/230	3000	1.24/.62	1	CCWSE	5/16 x 3 7/8	5 5/8	SP	Ball	301544 8211520253
82121	1/33	115	3000	1.10	1	CCWLE	5/16 x 2 1/8	3 3/8	SP	Sleeve	JA1M086 P251-2916
65118	1/30	115	2800/2500	1.80/0.60	2	CCWLE	3/4 x 5/16 x 1 5/8	2.724	SP	Ball	HC21ZE118
82180	1/20	115	3300	1.54	1	CCWLE	5/16 x 2 1/8	3 5/8	SP	Sleeve	JA1P053 P251-2307
82520	1/20	115/230	3000	2.00/1.00	1	CW	1/4 x 2 1/2	5 5/8	SP	Ball	HC24AU600 HC24AU600B HC24AO701 HC24AU231 HC24AU701 HC30GU208A HC30GU209A HC680001
<b>NEW</b> 66649	1/16	208-230	3450	0.5	1	CCW	—	—	PSC	Ball	48GS400106 48GS400649
<b>NEW</b> 66815	1/16	208-230	3450	0.48	1	CCW	—	—	PSC	Ball	50DK406815 HC30GB232
82521	1/15	115/230	3000	2.00/1.00	1	CCW	1/4 x 2 1/2	5 5/8	SP	Ball	HC24AU700
G2243	1/10	208-230	1100	0.74	1	CWLE	1/2 x 2 3/4	3 3/8	PSC	Ball	HC34GE234 HC32GE230
G2246	1/5	208-230	1080	1.60	1	CWLE	1/2 x 2 3/4	3 7/8	PSC	Ball	HC37GE232
40230	1/8	208-230	1125	0.90	1	CCWSE	1/2 x 3 1/2	3 3/4	PSC	Sleeve	HC35VE230
D847	1/8	208-230	1125	0.90	1	CCWSE	1/2 x 3 1/2	3 3/4	PSC	Sleeve	HC35VE230
D843	1/4-1/5	208-230	1075	2.20-2.00	1	Reversible	1/2 x 4 1/4	4	PSC	Sleeve	HC37MZ220 HC39VE608 HC39ML706 HC39ME720
82210	1/3	208-230	1625	1.80	1	CCWLE	5 5/8 x 1/2 x 5 5/8	4 1/4	PSC	Ball	HC41FB666
82113	3/4	115	1075	11.0	3	CW	1/2 x 2 3/4	5.40	PSC	Ball	HC45TE113 5KCP39PGV623CS



## Carrier

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Replaces
<b>NEW</b> 9625	1/16	460	3450	0.25-0.22	1	CCWSE	5/16 x 3.30	4 7/8	PSC	Ball	HC30GB460 HC30GB462 JF1H091 JF1H101
<b>NEW</b> 9626	1/16	208-230	3450	0.48	1	CCWSE	5/16 x 3.30	4 7/8	PSC	Ball	HG30GB230 HG30GB232 JF1H012 JF1H092
<b>NEW</b> 3S046	1/10	208-230	1100	0.75	1	CW	1/2 x 2.5	3.75	PSC	Ball	HC33GE235 5KCP39BGY540S 5KCP39BGU996AS
<b>NEW</b> 3S048	1/5	208-230	810	1.2	1	CW	1/2 x 3.25	4.5	PSC	Ball	HC37GE228 5KCP39FFAB35S 5KCP39FFBC51AS
<b>NEW</b> 3S047	1/4	208-230	1100	1.4	1	CW	1/2 x 3.	4.3	PSC	Ball	HC39GE226 5KCP39FGY563S 5KCP39FGU997AS
<b>NEW</b> 3S049	1/4	208-230	1100	1.5	1	CW	1/2 x 2.5	4.3	PSC	Ball	HC39GE238 5KCP39GGS238BS 5KCP39GGWB01S
<b>NEW</b> 3S050	1/4	208-230/220	1100/900	1.42/1.42	1	CW	1/2 x 2.5	4.8	PSC	Ball	HC39GE208 5KCP39HFS277DS 5KCP39HFWB02S
<b>NEW</b> 3S051	1/4	460/400	1100/900	.8/.8	1	CW	1/2 x 2.5	4.6	PSC	Ball	HC39GE464 5KCP39HGS239S 5KCP39HGWB04S
<b>NEW</b> 3S052	1/4	460/400	1100/900	.7/.7	1	CW	1/2 x 2.5	5.3	PSC	Ball	HC39GE466 5KCP39MFS303BS 5KCP39MFWB11S
<b>NEW</b> 3S041	1/3	208-230	1075	2.7	3	CCW	1/2 x 3.75	5.36	PSC	Sleeve	HC41AE193 5KCP39KGS081S 5KCP39KGZ186S
<b>NEW</b> 3S042	1/3	208-230	950	2.4	2	CCW	1/2 x 3.75	5.1	PSC	Sleeve	HC41AE194 5KCP39GGS080S 5KCP39GGZ188S
<b>NEW</b> 3S044	1/3	115	1075	5.2	4	CCW	1/2 x 4.75	4.6	PSC	Sleeve	HC41AE117 5KCP39GGS336S 5KCP39GGZ183S
<b>NEW</b> 3S045	1/2	115	1075	7.9	4	CCW	1/2 x 4.5	5.8	PSC	Sleeve	HC43AE116 5KCP39LGR668AS 5KCP39LGZ184S
<b>NEW</b> 3S043	3/4	208-230	1075	5.2	3	CCW	1/2 x 4	6.3	PSC	Sleeve	HC45AE198 5KCP39PGS083S 5KCP39PGZ187S
<b>NEW</b> 3S053	1	208-230	1620	4.9	1	CW	1/2 x 2.25	6.8	PSC	Ball	HC52ER230 5KCP39PGU661CS 5KCP39PGWB12S
<b>NEW</b> 3S054	1	460	1650	2.1	1	CW	1/2 x 2.25	6.8	PSC	Ball	HC52ER460 5KCP39PGU660CS 5KCP39PGWB13S



## Choice Vending

Item ID	Stack Size (In.)	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Type	Bearings	Enclosure	Replaces
65533	1/2	120	3000	0.22	1	CW	Splined (3/16 Diameter)	SP	Sleeve	Open	863243

## Coleman Evcon

Item ID	Stack Size (In.)	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dim. (In.)	Type	Bearings	Enclosure	Replaces
<b>NEW</b> 65475	—	1/150	115	3315	0.4	1	CCWSE	—	SP	Ball	—	373-19801-820 373-19801-821
K629	1	1/85	115	2950	0.67	1	CW	1/4 x 1 1/8	SP	Sleeve	Open	7990-317P 7102-2187
<b>NEW</b> A156	—	1/35	115	3000	1.1	1	CW	—	SP	Sleeve	Open	7021-10882 7021-8935 2702321P
<b>NEW</b> A088	—	1/25	115	3200	1.3	1	CW	—	SP	Sleeve	Open	7021-10267 7021-9908 D6868608 7021-5478

## Consolidated Ind.

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Dia. (In.)	Replaces
<b>NEW</b> A128	1/50	120	3000	0.9	1	CW	SP	Sleeve	3.3	7021-10271 7021-6376 7021-9404 302065

## Copeland

Item ID	H.P.	Watts	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	ENCL.	Dia. (In.)	Hertz	Replaces	Notes
15020	—	35	115	1500	1.40	1	CW	1/4 x 1/2	3 3/8	SP	Unit	TE	—	60	050-0267-0	
15040	—	50	115	1500	1.70	1	CW	3/8 x 1 1/2	3 5/8	SP	Unit	Semi	—	60	050-0244-01	
15041	—	50	230	1500	0.85	1	CW	3/8 x 1 1/2	3 5/8	SP	Unit	Semi	—	60	050-0244-00	
15045	—	50	230	1500	0.85	1	CCW	5/16 x 2 1/2	3 3/4	SP	Unit	Open	—	60	050-0264-0	
15049	—	50	208-230	1500	0.85	1	CW	3/8 x 1 1/2	3 3/4	SP	Unit	Semi	—	50/60	050-0244-00	97
15460	—	50	460	1500	0.44	1	CW	3/8 x 1 1/2	3 5/8	SP	Unit	Semi	—	60	050-0244-02	
<b>NEW</b> 15461	—	50	460	1500	0.44	1	CCW	5/16 x 2	3 5/8	SP	Sleeve	Open	—	60	050-0264-03	
65020	—	35	115	1500	1.40	1	CW	1/4 x 1/2	3 3/8	SP	Unit	TE	—	50/60	050-0267-0	
65040	—	50	115	1500	1.70	1	CW	3/8 x 1 1/2	3 5/8	SP	Unit	Semi	—	50/60	050-0244-01	
65041	—	50	230	1500	0.85	1	CW	3/8 x 1 1/2	3 5/8	SP	Unit	Semi	—	50/60	050-0244-00	
65045	—	50	230	1500	0.85	1	CCW	5/16 x 2 1/2	3 3/4	SP	Unit	Open	—	50/60	050-0264-0	
40251	1/6	—	230	1625	1.10	1	CCWSE	1/2 x 3 7/8	3 7/8	PSC	Sleeve	Open	5 5/8	50/60	998-0251-00	
40265	1/6	—	208-230	1550	1.10	1	Reversible	1/2 x 3	3 1/2	PSC	Sleeve	Open	5 5/8	50/60	050-0265-00	
40250	1/4	—	230	1625	1.50	1	CCWSE	1/2 x 3 7/8	3 7/8	PSC	Sleeve	Open	5 5/8	50/60	950-0250-00	

Notes:

97. May be used on 208 Volt applications



65514



G2243  
G2246  
G2244



82052



A100

NEW



A159

NEW



A161

NEW



82618

## Delfield

Item ID	Stack Size (In.)	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Type	Bearings	Enclosure	Hertz	Replaces
65514	5/8	120	3000	0.44	1	CW	3/16 x 3/4	SP	Sleeve	Open	60	1175-10-4439

## Ducane

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Dia. (In.)	ENCL.	Capacitor	Replaces
G2243	1/10	208-230	1100	0.74	1	CWLE	1/2 x 2 3/4	3 3/8	PSC	Ball	5	TE	5M/370V	20390801
G2246	1/5	208-230	1080	1.60	1	CWLE	1/2 x 2 3/4	3 7/8	PSC	Ball	5	TE	5M/370V	20390806
G2244	1/4	208-230	1075	1.70	1	CWLE	1/2 x 2 3/4	3 7/8	PSC	Ball	5	TE	7.5M/370V	20390802

## Dunkirk

Item ID	H.P.	Volts	RPM	Amps	Speeds	Type	Bearings	Enclosure	Hertz	Replaces
82052	1/50	115	3000	1.00	1	SP	Sleeve	Open	60	433-00-510

## Excel Comfort

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Diameter	Replaces
NEW A100	1/45	115	2900	1.21	1	CW	SP	Sleeve	C-Frame	20093603 7058-0280

## Fedders

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Enclosure	Hertz	Replaces
NEW A159	1/40	230	1550	0.5	1	CCW	SP	Ball	Open	60	7063-7334 AK4K84BX 11-7096
NEW A161	1/40	230	1600	0.6	1	CCW	SP	Ball	Open	60	7063-7943 8353920103
82618	1/35	115/230	3000	0.90/0.45	1	CWLE	SP	Ball	Open	60	031-7059



## First Company

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Encl.	Dia. (In.)	Replaces	Notes
D236	1/10-1/15-1/25	115	1550	3.50-2.40-1.80	3	DS	7 1/2 x 1/2 x 7 1/2	3 3/8	SP	Sleeve	Open	4.4	SD-110021	
D258	1/5-1/10	208-230	1550	2.80-1.30	2	CCWLE	8 x 1/2 x 8	3 3/8	PSC	Sleeve	Open	5	M10	515 556
D715	1/8	208-230	1500	1.40	2	CCWLE	6 1/2 x 1/2 x 6 1/2	4	PSC	Sleeve	Open	5 5/8	M8	
80010	1/4	208-230	1625	1.65	2	CCWLE	7 1/4 x 1/2 x 7 1/4	4.57	PSC	Ball	Open	5 5/8	M10	
82201	1/4	208-230	1145	1.21	1	CCWSE	1/2 x 7 1/2	4.37	PSC	Ball	Open	5 5/8	M201B	
D716	1/4	208-230	1625	1.65	2	CCWLE	7 3/4 x 1/2 x 7 3/4	3 3/4	PSC	Sleeve	Open	5 5/8	M10	

**Notes:**

515. 5M 370V capacitor included

556. Comes with 2 1/2" O.D. rubber mounting rings

Item ID	Diameter (In.)	Width (In.)	Rotation	Bore (In.)	Material	Replaces
<b>NEW</b> A60200BW	7 11/16	8	CW	1/2	Galvanized Steel	W200

**Notes:**

Can be used with motor 82201

## Franklin

Item ID	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Diameter	Replaces	
<b>NEW</b> B23617	115/230	3000	.9/.45	1	CCW	SP	Sleeve	Open	3.3	303875 7021-10288 7021-5703
<b>NEW</b> B23618	115/208-230	3000	.95/.45	1	CCW	SP	Ball	Open	3.3	031-7059 7021-10289 7021-5932

## Frymaster

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Diameter	Replaces
<b>NEW</b> A110	1/70	115	3212	0.76	1	CW	SP	Ball	C-Frame	7002-3093 7002-3512 7021-0898



## Frigidaire

Item ID	Stack Size (In.)	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Type	Bearings	ENCL.	Hertz	Replaces
65333	1/2	120	3000	0.88-0.68	1	CCW	3/16 x 1 1/8	SP	Sleeve	Open	60	1137820

## General Electric

Item ID	Stack Size (In.)	Watts	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Type	Bearings	Dia. (In.)	Encl.	Hertz	Replaces
65338	1/2	—	—	120	3000	0.88-0.68	1	CW	1/8 x 1 1/4	SP	Sleeve	—	Open	60	WR60X162
65685	1	—	—	120	3000/1550	1.41	2	CW	3/16 x 1 5/8	SP	Sleeve	—	Open	—	WB26X45
65018	—	5	—	115	1550	0.34	1	CW	1/4 x 1/2	SP	Unit	—	TE	50/60	5KSM81FFL18
65017	—	9	—	115	1550	0.55	1	CW	1/4 x 1/2	SP	Unit	—	TE	50/60	5KSM81FFL17
41728	—	—	1/8	230	1550	1.10	1	CW	1/2 x 3	PSC	Sleeve	5	Semi	60	5KSP29DK1728S WW94X936PSC
D1050	—	—	1/8	230	1550	1.10	1	CW	1/2 x 3	PSC	Sleeve	5	Open	60	5KSP29DK1728S
OTR4513	—	—	1/8	208-240	1550	0.80-0.90	1	CCWLE	1/2 x 3 1/8	PSC	Sleeve	5	TE	60	5KSP29DK1728S

## Gibson

Item ID	Stack Size (In.)	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Type	Bearings	ENCL.	Hertz	Replaces
65335	5/8	120	3000	1.35	1	CW	3/16 x 1 3/8	SP	Sleeve	Open	60	33-335



## Goodman

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	ENCL.	Dia. (In.)	Replaces	Notes
48331	—	115	3200	1.80	1	CWLE	SP	Ball	Open	C-Frame	5KSB46GF0001S B4833000	79
66003	—	115	3250	0.92	1	CCWLE	PSC	Ball	Open	3.3	098862-1 11009001 11009003	
<b>NEW</b> 66071	1 1/2" stack	115	3000	2.8	1	CWLE	SP	Ball	Open	C-Frame	071M00000	
<b>NEW</b> A282	1/60	220	2600	0.45	1	CCW	SP	Sleeve	Open	3.3	B1859050S 7021-8448	
82483	1/50	115	3000	1.00	1	CWLE	SP	Ball	Open	3.3	B1859000 B1859000S	
A079	1/50	115	3000	1.10	1	CCW	SP	Sleeve	Totally Enclosed	3.3	B1859000 74-70-21964-03-01 7021-6804	
A140	1/50	115	3400	1.40	1	CW	SP	Sleeve	Open	3.3	B2833001S B2833001 7021-9000 7021-9087 FB-RFB140	
A162	1/50	208-230	3000	0.50	1	CCW	SP	Sleeve	Open	3.3	B295900 7021-8656	
<b>NEW</b> A281	1/40	115	3000	0.9	1	CW	SP	Sleeve	Open	3.3	D6996405 7021-8252	
<b>NEW</b> A285	1/40	115	3250	1.4	2	CW	SP	Sleeve	Open	3.3	B2833002 7021-9236	
66002	1/35	115	3000	1.90	1	CWLE	SP	Ball	Open	C-Frame	0131M00002P 0131M00002S 119276-00	
<b>NEW</b> A157	1/35	115	3000	1.3	1	CCW	SP	Sleeve	Open	C-Frame	7002-2307	
A182	1/35	115	3125	1.20	1	CCW	SP	Sleeve	Open	C-Frame	B4059000 7002-3036	
<b>NEW</b> A184	1/35	115	3125	1.55	1	CCW	SP	Ball	Open	C-Frame	B4059001 7058-0229	
66005	1/30	115	3000	1.60	1	CWLE	SP	Ball	Open	C-Frame	B1859005 J238-11128	
66590	1/30	115	3000	1.50	1	CWLE	SP	Ball	Open	C-Frame	B4059000 J238-112-11195	
<b>NEW</b> A181	1/30	115	3192	1.5	1	CW	SP	Ball	Open	C-Frame	20044403 7058-0136	

Notes:  
79. Includes rubber boot





## Goodman

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Enclosure	Dia. (In.)	Replaces	Cap. Required
<b>NEW</b> A284	1/30	208/240	3000	0.59/0.5	1	CW	SP	Sleeve	Open	3.3	D9886202 7021-9227	—
<b>NEW</b> A288	1/30	115	3100	1.4/.65	2	CW	SP	Ball	Open	3.3	11177202 7021-9727	—
<b>NEW</b> A189	1/24	115	3000	1.5	1	CW	SP	Sleeve	Open	3.3	D9868620 7021-7302	—
<b>NEW</b> A187	1/20	208-230	3250	0.8	1	CW	SP	Sleeve	Open	3.3	20028901 7021-10006	—
<b>NEW</b> A290	1/20	115	3200/2400	0.7	2	CCW	PSC	Ball	Open	3.3	20245903 7062-5015	—
<b>NEW</b> A188	1/18	115	3250	1.6	1	CW	SP	Sleeve	Open	3.3	B4833000 7021-10958	—
OGD1016	1/6	208-230	1075	1.00	1	CCWLE	PSC	Sleeve	Open	—	B13400-251	5M/370V
OGD1026	1/4	208-230	1075	1.50	1	CCWLE	PSC	Sleeve	Open	—	B13400-247	5M/370V

## Greenheck

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Dia. (In.)	Mounting	Replaces
90318	1/8	115	1550/1300/1050	2.60	3	CCWSE	1/2 x 2 3/4	3 5/8	PSC Cap Included	Ball	5.12	Thru Bolt	308318

## GSW

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	ENCL.	Replaces
W7	1/25	115	3200	1.30	1	CW	SP	Sleeve	OFC	63217
W8	1/25	115	3200	1.30	1	CW	SP	Sleeve	OFC	63172



65691  
65692



574  
575  
572A



41101  
41103



41194  
41195



45036  
41124  
41126



D1101  
D1103



D1124



35100  
35101  
35200  
35201



45008S  
45008T

## Heatcraft - Bohn - Larkin

Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Enclosure	Replaces	Notes
65691	5/8" stack	120	3000	0.64	CW	7/32 x 1 3/8	—	SP	Sleeve	Open	5007S 5018S 5036F	354 472 474
65692	5/8" stack	240	3000	0.32	CW	0.181 x 1 3/8	—	SP	Sleeve	Open	5007 5018T 5036G	354 472 474
574	1/20	115	1550	1.60	CCWSE	5/16 x 2 5/8	2 3/4	SP	Sleeve	Open	253-1194	7 111 498
575	1/20	208-230	1550	0.90	CCWSE	5/16 x 2 1/2	2 3/4	SP	Sleeve	Open	253-1195	7 111 498
41101	1/20	115	1500	1.90	CCW	5/16 x 2 1/4	2 3/4	SP	Sleeve	Open	253-1194	329 500
41103	1/20	208-230	1500	0.93	CCW	5/16 x 2 1/4	2 7/8	SP	Sleeve	Open	253-1195	329 500
41194	1/20	115	1550	1.90	CCW	5/16 x 2 3/8	2 5/8	SP	Sleeve	Open	253-1194	463
41195	1/20	208-230	1550	0.89	CCW	5/16 x 2 3/8	2 7/8	SP	Sleeve	Open	253-1195	463
45036	1/20	115	1550	2.10	CW	5/16 x 2	2 7/8	SP	Sleeve	Open	5036-SS	500
572A	1/20	115	1550	1.90	CWSE	5/16 X 3	3	SP	Sleeve	Open	5008S	111
D1101	1/20	115	1500	1.90	CCW	5/16 x 2 1/4	2 3/4	SP	Sleeve	Open	253-1194	
D1103	1/20	208-230	1500	1.15	CCW	5/16 x 2 1/4	3	SP	Sleeve	Open	253-1195	
D1124	1/20	115	1550	2.10	CW	5/16 x 3	3	SP	Sleeve	Open	5008S	500
											5KSM59JSK143S	
35100	1/15	115	1550	1.30	CWOSE	5/16 x 4 1/8	2 5/8	ECM	Ball	TE	253-1194	500
35101	1/15	115	1550	1.30	CCWOSE	5/16 x 4 1/8	2 5/8	ECM	Ball	TE	5008S	500
35200	1/15	208-230	1550	0.80	CWOSE	5/16 x 4 1/8	2 5/8	ECM	Ball	TE	253-1195	500
35201	1/15	208-230	1550	0.80	CCWOSE	5/16 x 4 1/8	2 5/8	ECM	Ball	TE	5008T	500
41124	1/15	115	1550	2.00	CW	5/16 x 3	3 1/2	SP	Sleeve	Open	5008S	329 500 551
41126	1/15	208-230	1550	1.10	CW	5/16 x 3	3 1/2	SP	Sleeve	Open	5008T 5034L	329 500
45008S	1/15	115	1550	1.80	CWSE	5/16 x 3	3	SP	Sleeve	Open	5008S 5034LS	499 500
45008T	1/15	208/230	1550	1.20-1.00	CWSE	5/16 x 3	3 1/2	SP	Sleeve	Open	5008T 5034MS	499 500

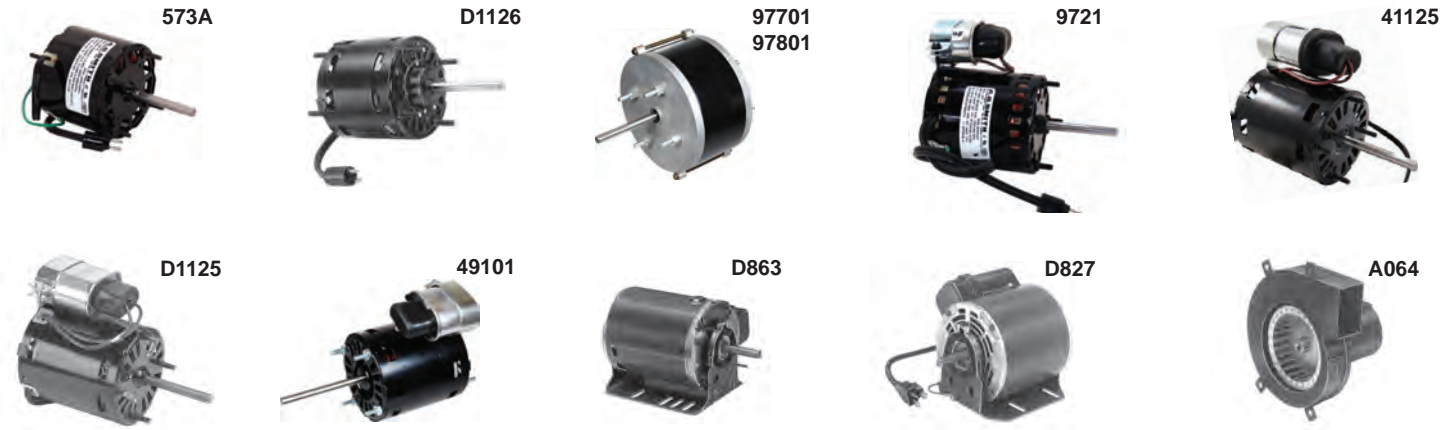
Notes:

7. Supplied with lead and plug assembly  
111. Includes special plug  
329. Motor has 4 studs on both ends

354. Impedence protected  
463. Identical Bolt Pattern of Larkin  
472. Includes stand offs for other Bohn applications

474. Used in Bohn commercial evaporators  
498. 50/60 Hertz  
499. Identical bolt pattern as OEM motor

500. Includes Cord and Lyall Plug  
551. Low Temp. Oil



## Heatcraft - Bohn - Larkin

Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Encl.	Replaces	Notes
573A	1/15	208-230	1550	1.30	CWSE	5/16 X 3	3 5/8	SP	Sleeve	Open	5008T	111
D1126	1/15	230	1550	1.10	CW	5/16 x 3	3 1/2	SP	Sleeve	Open	5008T 5KSM59LS2262AS	500
97701	1/15, 1/20, 1/25	230	1625	0.70	CWSE	5/16 x 2.95	2.85	ECM	Ball	TE	22617701 22617901 25307701 25307901	500
97801	1/15, 1/20, 1/25	120	1625	1.20	CWSE	5/16 x 2.95	2.85	ECM	Ball	TE	22617801 22618001 25307801 25308001	500
9721	1/12	115/208-230	1550	1.10/0.50	Rev.	5/16 x 3 1/4	3 5/8	PSC	Ball	Open	7071061 25309101	189 498 500
41125	1/12	208-230	1550/ 1400	0.50	CCW	5/16 x 2 5/8	3 1/2	PSC	Sleeve	Open	5008T	304 500
D1125	1/12	208-230	1550	0.40	CCW	5/16 x 2 5/8	3 3/4	PSC	Sleeve	Open	7190-0442	42 304
49101	1/12- 1/15- 1/20	115/208-230	1550/ 1400	1.10/0.50	Rev.	5/16 x 3 1/8	3 5/8	PSC	Ball	Open	7071061 25309101	189 498 500
D863	1/2	208-230	1075	4.00	Rev.	1/2 x 3	6 3/4	PSC	Ball	Open Drip	SCS0500HI-CPM120-3	

**Notes:**

- 42. Includes Cord and Plug
- 111. Includes special plug
- 189. Includes reversing plug
- 304. Run capacitor mounted on motor shell
- 498. 50/60 Hertz
- 500. Includes Cord and Lyall Plug

## Herman Nelson

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Dia. (In.)	Replaces
D827	1/8	115	700	2.50	1	CCW	1/2 x 2	5 1/2	PSC	Ball	5 5/8	7-150444-02

## Heil-Quaker

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Enclosure	Hertz	Overload	Replaces
A064	1/55	115	3150	0.70	1	CW	SP	Sleeve	Open	60	Automatic	5C085 610672 HQ610672



65119



65133



61103



61104



D890



15020  
15021  
65020  
65021



15041  
65041

## Hill

Item ID	Watts	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Enclosure	Hertz	Mounting	Replaces	Notes
65119	5	115	1550	0.34	CW	1/4 x 1/2	2 3/8	Totally Enclosed	50/60	Double Foot Pads	PP7577M	87

## Hussmann

Item ID	Watts	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Dia. (In.)	ENCL.	Mounting	Replaces	Notes
65133	9	—	115	1550	0.50	CW	1/4 x 1/2	2 1/2	SP	Unit	—	TE	Single Foot Pad	58698	87
61103	12	—	115	1550	0.62	CWLE	1/4 x 1/2	2 11/16	SP	Unit	—	TE	No Foot Pad	0047000 441-103 0440421 125-01-0615A	87
<b>NEW</b> 61104	12	—	115	1550	0.62	CWLE	1/4 x 1/2	2 11/16	SP	Unit	—	TE	Double Foot Pads	4410311	87
D890	—	1/2	208-230	1725	2.70	CCW	1/2 x 3 1/2	4 1/2	SP	Sleeve	5 5/8	Open	—	259983 K55HXCTP-9963	

Notes: 87. Includes straight Lyall plug

## Ice-O-Matic

Item ID	Watts	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	ENCL.	Mounting	Hertz	Replaces
15020	35	115	1500	1.40	CW	1/4 x 1/2	3 3/8	TE	Double Foot Pads	60	9161078-01
15021	35	230	1500	0.70	CW	1/4 x 1/2	3 3/8	TE	Double Foot Pads	60	9161078-03 309316-000
65020	35	115	1500	1.40	CW	1/4 x 1/2	3 3/8	TE	Double Foot Pads	50/60	9161078-01
65021	35	230	1500	0.70	CW	1/4 x 1/2	3 3/8	TE	Double Foot Pads	50/60	9161078-03 309316-000
15041	50	230	1500	0.85	CW	3/8 x 1 1/2	3 5/8	Semi Encl.	Double Foot Pads	60	319357-000
65041	50	230	1500	0.85	CW	3/8 x 1 1/2	3 5/8	Semi Encl.	Double Foot Pads	50/60	319357-000



66833



66338



A174,  
A301,  
A141,  
A177

**NEW**



A151

**NEW**



82672



A179

**NEW**



66254



A148



A175

**NEW**



66529

**NEW**



A172

**ICP**

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Enclosure	Replaces	
66833	28 MHP	115	3000	1.60	1	CW	SP	Ball	Open	1010324 1013833 1012002 1014338	1010238P 1013388A
66338	50 MHP	115	3000	2.40	1	CW	SP	Ball	Totally Enclosed		
<b>NEW</b> A174	1/100	115	2350	0.8	1	CW	SP	Sleeve	Open	1010239	7021-9188
<b>NEW</b> A301	1/100	115	2350	0.8	1	CW	SP	Sleeve	Open	1010239	1094073
<b>NEW</b> A151	1/90	230	2800	0.3	1	CW	SP	Sleeve	Open	1050144 4MH40	1170870 7021-10287
82672	1/60	115	3300	0.90	1	CCWLE	SP	Sleeve	Open	1006168	
<b>NEW</b> A141	1/60	115	2800	1	1	CW	SP	Ball	Open	1094073 4MH33 7021-9237	1094074 7021-10280 7021-8742
<b>NEW</b> A179	1/60	115	3300	0.9	1	CW	SP	Sleeve	Open	1006168P	7021-8693
66254	1/50	230	3000	0.30	1	CCWLE	PSC	Ball	Open	1110008 1085571P 7021-10580	1085571 7021-10048
A148	1/50	208-230	3000	0.50	1	CCW	SP	Sleeve	Open	1054268P 7021-9237	7021-7617 HQ1054268FA
A175	1/40	115	3300	1.0	1	CCW	SP	Sleeve	—	1708600	7002-1891
<b>NEW</b> A177	1/36	115	3000	1.4	2	CW	SP	Ball	—	1011632	7021-10363
<b>NEW</b> 66529	1/35	115	3000	1.50	1	CCWSE	SP	Ball	Open	100011645 10011945 1014529	10011645 1014433
A172	1/35	115	3000	1.60	1	CW	SP	Ball	Open	1010975	1010975P



82148



A178



A306



66350



A134  
A302  
A304



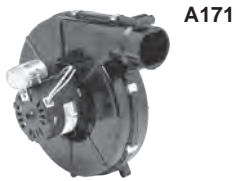
A145



A169



A170



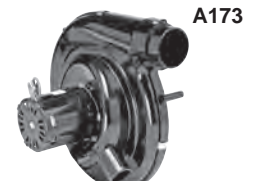
A171



A176



A307



A173

## ICP

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Enclosure	Replaces
82148	1/30	208-230	3000	0.50	1	CCW	SP	Sleeve	Open	1054268P 1HQ1054268FA 1054268
<b>NEW</b> A178	1/30	115	3400	1.8	1	CW	SP	Ball	Open	1012002 1013188
<b>NEW</b> A306	1/30	208-230	3350/2900	0.3	2	CCW	PSC	Sleeve	Open	1097245 7062-4532
66350	1/25	115	3350	0.92	1	CCWSE	PSC	Ball	Open	1000814 1001609 1007360 1150474 1001371 1002543 1011350 HQ1011350
A134	1/25	115	3060	1.50	1	CW	SP	Sleeve	Open	1010238P 1708-607 R7-RFB134 7021-8735 7021-9335 1010324 1708-607P 7021-7700 7021-8736
<b>NEW</b> A145	1/25	115	3450	0.7	1	CCW	PSC	Ball	Open	1008695 7021-10299 4MH47 7062-4061
<b>NEW</b> A169	1/25	230	2800	0.75	1	CW	SP	Sleeve	Open	1010008 1110008 7021-10580 1085571 7021-10048
A170	1/25	115	3400	2.30	1	CCW	SP	Ball	Open	1010312 1010928 1011097 1164280 1010526 1011095 1011409
A171	1/25	115	3450	0.70	1	CCW	PSC	Ball	Open	1010491 1011096 1010527P 1011410
<b>NEW</b> A176	1/25	115	3100	2.2	1	CW	SP	Ball	—	1011899 7002-2946
<b>NEW</b> A302	1/25	115	3060	1.5	1	CW	SP	Sleeve	Open	1010324P 7021-9277 7021-9499
<b>NEW</b> A304	1/25	115	3060	1.5	1	CW	SP	Sleeve	Open	7021-9701 1011021
<b>NEW</b> A307	1/24	115	3450	0.7	1	CW	PSC	Sleeve	Open	7062-5165 7062-3794 1149097 1008416P
A173	1/18	115	3450	0.80	1	CCW	PSC	Ball	Open	1011350 HQ1011350FA HQ1011350 R7-RFB350



**IEC**

	Item ID	H.P.	Volts	RPM	Amps	Type	Speeds	Rotation	Shaft Dimension (In.)	Bearings	Dia. (In.)	A Dim.	Replaces
<b>NEW</b>	D1045	1/30	115-127	1100	0.53	PSC	3	CW	1/2 X 9	SLEEVE	5	3 1/8	5KCP29BK8382S S89202
<b>NEW</b>	D1053	1/30	265	1075	0.38	PSC	3	CW	1/2 X 7 1/8	SLEEVE	5	3 1/3	5KCP29BK8094S S89203
<b>NEW</b>	D1047	1/20	208-230	1075	1.6	PSC	3	CW	1/2 X 7 1/8	SLEEVE	5	3 7/8	5KCP29FK8028S S88935
<b>NEW</b>	D1048	1/20	277	1075	0.5	PSC	3	CW	1/2 X 7 1/4	SLEEVE	5	3 7/8	5KCP29FK8132S S89205
<b>NEW</b>	D1049	1/20	265	1075	0.4	PSC	3	CW	1/2 X 7 1/8	SLEEVE	5	3 7/8	5KCP29FK8388S S89204
<b>NEW</b>	D1041	1/15	265	1075	0.6	PSC	3	CW	1/2 X 7 1/8	SLEEVE	5	3 7/8	5KCP29DK8389S S89206
<b>NEW</b>	D1055	1/12	115-127	1375	1.4	PSC	3	DS	9 1/8 X 1/2 X 9 1/2	SLEEVE	5	3 1/8	5KCP29BK8383S S89207
<b>NEW</b>	D1059	1/6	115-127	1450	2.3	PSC	3	DS	8 3/4 X 1/2 X 9	SLEEVE	5	3 1/3	5KCP29DK8384S S89208
<b>NEW</b>	D1040	1/5	208-240	925	1.6	PSC	3	CW	1/2 X 8	SLEEVE	5	4 1/3	5KCP29KK8385S S89209
<b>NEW</b>	D1043	1/4	265	1075	1.6	PSC	3	CW	1/2 X 6 1/4	SLEEVE	5	4 5/8	5KCP29DK8386S S89211
<b>NEW</b>	D1044	1/4	115	970	6	PSC	3	CW	1/2 X 8	SLEEVE	5	4 1/3	5KCP29DK8387S S89210

## IMI Cornelius

Item ID	Watts	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	ENCL.	Mounting	Hertz	Replaces
15021	35	230	1500	0.70	CW	1/4 x 1/2	3 3/8	TE	Double Foot Pads	60	9161078-03 309316-000
65021	35	230	1500	0.70	CW	1/4 x 1/2	3 3/8	TE	Double Foot Pads	50/60	9161078-03 309316-000
15041	50	230	1500	0.85	CW	3/8 x 1 1/2	3 5/8	Semi	Double Foot Pads	60	319357-000
65041	50	230	1500	0.85	CW	3/8 x 1 1/2	3 5/8	Semi	Double Foot Pads	50/60	319357-000



## Johnson Furnace

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dim. (In.)	Length Less Shaft (In.)	Type	Bearings	ENCL.	Dia. (In.)	Replaces
80280	1/60	230	3000	0.55	1	CWLE	—	—	SP	Ball	Open	3.3	36HW 48HWC181 36HWC241 36HWC18A
<b>NEW</b> A085	1/30	230	3000	0.7	1	CCW	—	—	SP	Ball	Open	3.3	35035B001 36HW
<b>NEW</b> A081	1/40	230	3000	0.5	1	CCW	—	—	SP	Ball	—	3.3	36HWC18A 36HW 36HWC241 48HW
40493	1/6-1/10	208-230	1075	1.40	2	CCW	1/2 x 2	4	PSC	Sleeve	Open	5 5/8	3699B

## Kitchen Aid

Item ID	Stack Size (In.)	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Type	Bearings	Enclosure	Replaces
65455	1/2	120	3000	0.35	1	CW	7/32 x 1	SP	Sleeve	Open	240332-1 4162472

## Krack

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Dia. (In.)	Mounting	Replaces
D1189	1/20	115/208-230	1550	1.40/0.76	1	CWSE	5/16 x 1 5/8	3 1/8	SP	Ball	3.3	Lug	11528 11529
41189	1/20	115/208-230	1350/1550	1.60/0.80	1	CWSE	5/16 x 1 5/8	3 1/16	SP	Ball	3.3	Lug	11528 11529
OKR1096	1/2	208-230/460	1140	2.00-1.90/0.95	1	Reversible	5/8 x 2	9 1/4	3 phase	Ball	6 1/2	Belly Band	150372 11096
OKR1503	1	200-230/460	850	4.40-4.00/2.00	1	Reversible	5/8 x 3 1/4	10 1/4	3 phase	Ball	6 1/2	Belly Band	151437 11503

## Kyser Warren

Item ID	Watts	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	ENCL.	Hertz	Mounting	Replaces
10019	9	115	1550	0.53	1	CW	1/4 x 1/2	2 3/8	SP	TE	60	No Foot Pads	5991



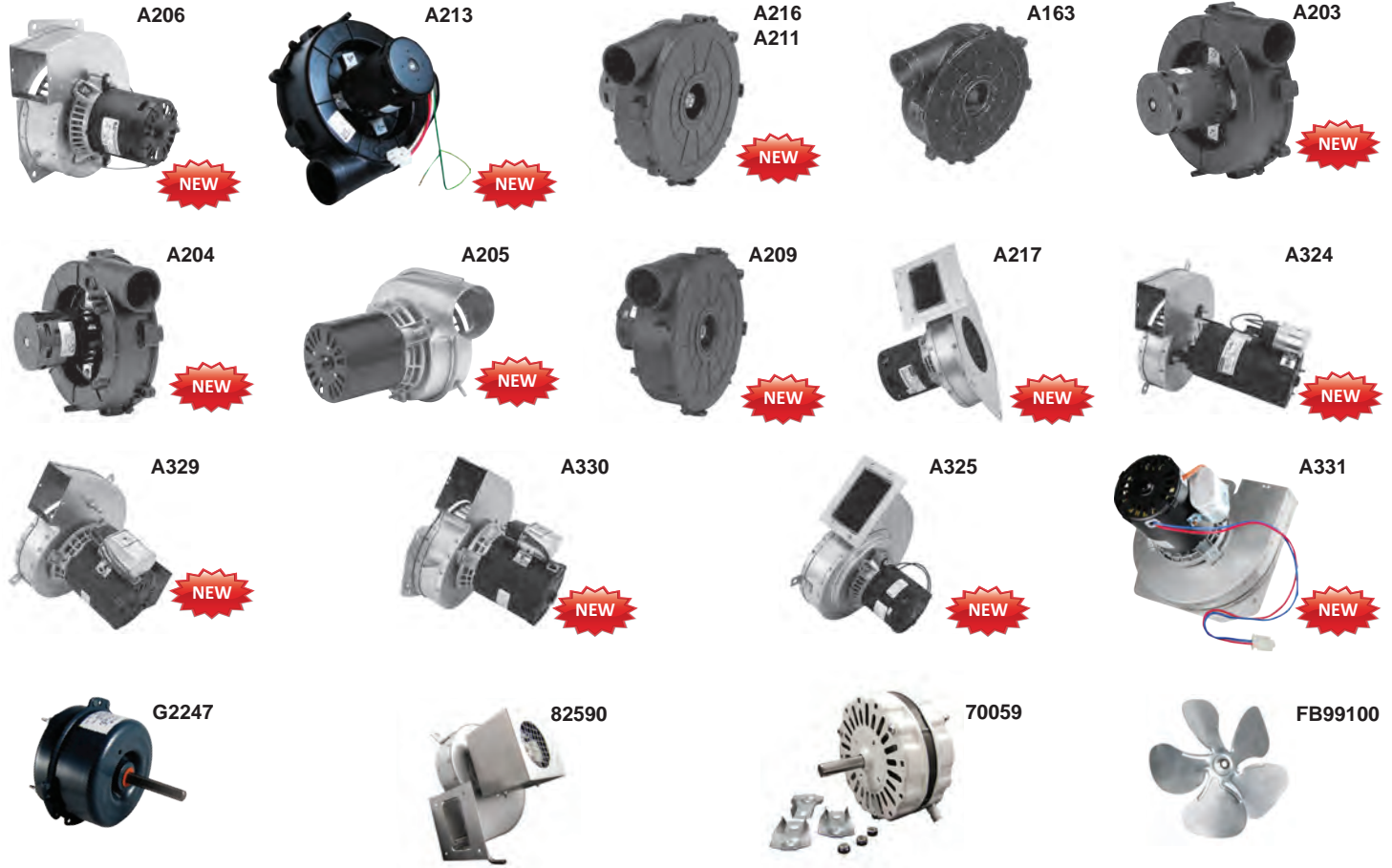


**L.L. Building**

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Enclosure	Diameter (In.)	Capacitor Included	Replaces
99320	—	120	900	3.40	1	CWSE	1/2 x 2.02	2.27	SP	Open	5.12	—	V909320
99371	1/7	120	1050	2.80	1	CWSE	1/2 x 2.30	3.08	PSC	Open	5.12	8MFD / 250VAC	V909371
99321	1/5	120	1050	3.30	1	CWSE	1/2 x 2.30	3.33	PSC	Open	5.12	10MFD / 250VAC	V909321
99319	1/4	120	1050	3.30	1	CWSE	1/2 x 2.30	3.33	PSC	Open	5.12	10MFD / 250VAC	V909336 V909337 V909319

**Lennox**

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	ENCL.	Hertz	Overload	Replaces
<b>NEW</b> A138	1/70	120	3000	0.7	1	CCW	SP	Sleeve	Open	60	Auto	7021-8657 7021-8825
<b>NEW</b> A322	1/70	120	3000	1.1	2	CCW	SP	Sleeve	Open	60	Auto	67M6401 83L8201 24L0101 7021-9884
<b>NEW</b> A219	1/65	120	3000	0.7	1	CCW	SP	Sleeve	Open	60	Auto	88J3901 7021-9262
66401	1/60	120	2800	1.30	1	CWLE	SP	Ball	Open	60	Auto	88K8401 J238-087-8171
A068	1/60	120	3000	1.15	1	CCW	SP	Ball	Open	60	Auto	88K8401 J238-8171
<b>NEW</b> A135	1/60	120	3000	0.7	1	CCW	SP	Sleeve	Open	60	Auto	33J4101 4MH29 7021-10276 7021-8812
A320	1/60	115	3000	0.8	1	CCW	SP	Sleeve	Open	60	Auto	27K6101 10115401
<b>NEW</b> A164	1/50	120	3400	0.8	1	CCW	SP	Sleeve	Open	60	Auto	10K5101 10K5301 43K4101 46K4101
66501	1/30	115	3000	1.20	1	CCWSE	SP	Ball	Open	60	Auto	31L5501 101202-01 102359-01
<b>NEW</b> A155	1/30	115	3000	1.40	1	CCW	SP	Ball	Open	60	Auto	7021-10046 40425-002
<b>NEW</b> A200	1/30	115	3000	1.35	1	CCW	SP	Sleeve	Open	60	Auto	313L5501 7002-2975
<b>NEW</b> A201	1/30	208-230	3000	0.65	1	CCW	SP	Ball	Open	60	Auto	41144-001 41144-002 7021-10055 7021-10743
<b>NEW</b> A202	1/30	115	3400	1.80	1	CCW	SP	Ball	Open	60	Auto	45037-001 46087-001
<b>NEW</b> A210	1/30	115	3000	1.7	2	CCW	SP	BALL	Open	60	Auto	18M6701 27M1301
<b>NEW</b> A207	1/28	115	3000	1.75	1	CCW	SP	Ball	Open	60	Auto	60M7901 7058-0217
<b>NEW</b> A208	1/28	115	3000	1.75	1	CCW	SP	Ball	Open	60	Auto	60M8101 7058-0322
<b>NEW</b> A218	1/28	220-240	3000	0.6/0.52	1	CCW	SP	Ball	Open	60	Auto	39L4201 60J4201



## Lennox

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	ENCL.	Hertz	Overload	Cap. Req.	Replaces
<b>NEW</b> A206	1/25	115	3000	1.5	1	CW	SP	Sleeve	Open	60	Auto	—	20J8091 7021-8473
<b>NEW</b> A213	1/25	115	3200	2.1	2	CCW	SP	Ball	Open	60	Auto	—	18L0401 7021-10376
<b>NEW</b> A216	1/25	115	3200	2.1	2	CCW	SP	Ball	Open	60	Auto	—	60L1401 7021-10915
A163	1/20	115	3400	1.80	1	CCW	SP	Ball	Open	60	Auto	—	7021-9450 67K0401 67K0401P FB-RFB547
<b>NEW</b> A203	1/20	115	3400	1.8	1	CCW	SP	Ball	Open	60	Auto	—	49L5301 7021-10841
<b>NEW</b> A204	1/20	115	3400	1.8	1	CCW	SP	Ball	Open	60	Auto	—	83L4101 7021-11406
<b>NEW</b> A205	1/20	120	3000	0.7	1	CCW	SP	Sleeve	Open	60	Auto	—	19J0401 7021-8372 7021-9001 T6-2118
<b>NEW</b> A209	1/20	115	3200/ 2800	0.8	2	CCW	PSC	Ball	Open	60	Auto	—	38M5001 7062-5441
<b>NEW</b> A217	1/16	230	3000	0.83	1	CCW	SP	Ball	Open	60	Auto	—	25M5501 7021-11231
<b>NEW</b> A211	1/15	115	3400	2.35	1	CCW	SP	Ball	Open	60	Auto	—	81M1601 7021-11634
<b>NEW</b> A324	1/12	230	3200	0.44	1	CW	PSC	Ball	Open	60	Auto	Included	28G6601 7062-1794
<b>NEW</b> A329	1/12	208-230	3200	0.5	1	CW	PSC	Ball	Open	60	Auto	Included	19L1501 7062-4819
<b>NEW</b> A330	1/12	208-230	3200	0.55	1	CW	PSC	Ball	Open	60	Auto	Included	69M3301 97J8201
<b>NEW</b> A325	1/10	208-230	3200	0.6	1	CW	PSC	Ball	Open	60	Auto	—	98G8701 99K5701
<b>NEW</b> A331	1/10	460	3200	0.38/0.33	1	CW	PSC	Ball	Open	60	Auto	—	69M3201 97J8101
G2247	1/6	208-230	1100	1.30	1	CCWLE	PSC	Ball	TE	60	Auto	5M/370V	31L1901
82590	—	115	3000	1.20	1	CWLE	SP	Ball	Open	60	Auto	—	47H12 LB-82590CA

## Lomanco

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Dia. (In.)	ENCL.	Mounting	Replaces
70059	1/10	115	1100	3.40	1	CW	1/2 x 1 5/8	2 1/4	SP	Sleeve	5	Open	Lug	AO416B2059 AO510B2389 AO510B2497

Item ID	Diameter (In.)	Blades	Hub Location	Bore	Pitch (°)	Rotation	Note
FB99100	12	5	Discharge	1/2	33	CW	Used with 70059



90220



90420  
90320



90520



90620  
90720



D1091



D1137  
D1143



D753  
D759



D1029



D1026



D1031



65001  
15020  
65020



15041  
65041

## Loren Cook

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Dia. (In.)	Mounting	Replaces
90220	1/114	115	1500	0.75	2	CW	3/8 x 2 3/4	2 3/8	SP	Sleeve	4.4	Thru Bolt	220/240
90420	1/23	115	1500	1.50	1	CW	3/8 x 2 3/4	2 5/8	SP	Sleeve	4.4	Thru Bolt	420
90320	1/16	115	1550	2.20	2	CW	3/8 x 2 1/2	2 5/8	SP	Sleeve	4.4	Thru Bolt	320/340
90520	1/16	115	1200	1.50	1	CW	3/8 x 2 1/4	3	PSC Cap Included	Sleeve	5.12	Thru Bolt	520
90620	1/11	115	1500	4.60	2	CW	1/2 x 6 1/4	3	SP	Sleeve	4.4	Lug Mount	620/640
90720	1/4	115	1625	3.90	2	CW	1/2 x 6 1/4	3 3/8	PSC Cap Included	Sleeve	5.12	Lug Mount	720/740

## Magic Chef

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dim. (In.)	Length Less Shaft (In.)	Type	Bearings	Hertz	Replaces
<b>NEW</b> D1091	1/4	208-230	1075	2.20	1	CCW	1/2 x 2 3/4	4 1/2	PSC	Sleeve	60	35035B001

## Manitowoc

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Diameter	Bearings	Hertz	Cap. Required	Replaces
<b>NEW</b> D1137	1/20	208-230	1550	0.34	1	CCW	3.3	Ball	50/60	3MFD/370V	2008253 71902831
<b>NEW</b> D1143	1/20	115	1550	0.9	1	CCW	3.3	Ball	60	5MFD/370V	2008243 71902830
<b>NEW</b> D753	1/8	208-230	1075	1.0	1	CCW	5.6	Ball	50/60	5MFD/370V	2009673 71264871
<b>NEW</b> D759	1/8	115	1075	2.7	1	CCW	5.6	Ball	60	5MFD/370V	2009683 71265053
<b>NEW</b> D1029	1/8	208-230	1350/1620	0.8	1	CW	5	Sleeve	50/60	5MFD/370V	2009653 71850274
<b>NEW</b> D1026	1/5	208-230	1050	1.5	1	CW	5	Ball	60	3MFD/370V	2009633 71870252
<b>NEW</b> D1031	1/5	208-230	1050	1.8	1	CW	5	Sleeve	50/60	3MFD/370V	2009663 71870263

Item ID	Watts	Volts	RPM	Amps	Rotation	Shaft Dim. (In.)	Length Less Shaft (In.)	ENCL.	Mounting	Hertz	Replaces
65001	25	115	1500	1.10	CW	1/4 x 1/2	3 3/8	TE	Double Foot Pads	50/60	002412283
15020	35	115	1500	1.40	CW	1/4 x 1/2	3 3/8	TE	Double Foot Pads	60	002401591 002412373
65020	35	115	1500	1.40	CW	1/4 x 1/2	3 3/8	TE	Double Foot Pads	50/60	002401591 002412373
15041	50	230	1500	0.85	CW	3/8 x 1 1/2	3 5/8	Semi	Double Foot Pads	60	002412353
65041	50	230	1500	0.85	CW	3/8 x 1 1/2	3 5/8	Semi	Double Foot Pads	50/60	002412353



## Mid Continent

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dim. (In.)	Length Less Shaft (In.)	Type	Bearings	Hertz	Replaces
<b>NEW</b> 357	1/30	115	3000	1.10	1	CWSE	1/4 x 1 1/2	4 3/4	SP	Sleeve	60	JA1M069NV

## Miller

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Hertz	Replaces
80270	1/50	115/230	3000	0.90/0.45	1	CWLE	SP	Ball	60	303875000

## McQuay

Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Dia. (In.)	Replaces	Notes
D1144	1/25-1/35-1/65	115	1200	1.10-0.90-0.60	CW	3/8 x 5 5/8	4 3/4	PSC	Sleeve	3.3	BA2H015	
D1141	1/15-1/25-1/35	115	1000	1.30-1.10-0.90	Double Shaft	5 5/8 x 3/8 x 5 5/8	4 3/4	PSC	Sleeve	3.3	879-382563B-00	
D1140	1/10-1/12-1/15	115	1500	2.20-2.00-1.70	Double Shaft	5 5/8 x 3/8 x 5 5/8	4 3/4	PSC	Sleeve	3.3	879-382564B-00	
D1142	1/15	115/230	1500	1.70-0.90	CW	5/16 x 2 1/2	3 1/2	SP	Sleeve	3.3	879-382-562-ZB-00	356

Notes:  
356. Has special 3.15" bolt circle

## Nordyne

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Dia. (In.)	Replaces
<b>NEW</b> A131	1/50	115	3000	1.1	1	CW	SP	Sleeve	3.3	4MH26 6212850 6217000 7021-10159
<b>NEW</b> A132	1/50	115	3000	1.1	1	CW	SP	Sleeve	3.3	4MH27 6212850 7021-10274 7021-10493
<b>NEW</b> A121	1/45	240	3000	0.5	1	CW	SP	Sleeve	3.3	6217930 7021-10381
<b>NEW</b> A126	1/45	115	3000	1.8	1	CW	SP	Ball	C-Frame	6219500 7002-3158
<b>NEW</b> A123	1/18	115	3300	1.95	1	CW	SP	Ball	3.3	622064 7021-11385
<b>NEW</b> A122	1/17	115	3000	1.75	1	CW	SP	Sleeve	3.3	6219490 7021-11227
<b>NEW</b> A124	1/15	115	3000	1.75	1	CW	SP	Sleeve	3.3	6219290 7021-11379

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Dia. (In.)	ENCL.	Capacitor	Replaces
G2243	1/10	208-230	1100	0.74	1	CWLE	1/2 x 2 3/4	3 3/8	PSC	Ball	5	TE	5M/370V	621865



**Nutone**

Item ID	Stack Size (In.)	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Enclosure	Replaces	Notes
65100	1/2	—	120	3000	0.86/0.50	1	CCW	7/32 x 1 5/8	C Frame	SP	Sleeve	Open	C65878	42 105
65101	7/8	—	120	3000	0.86	2	CW	7/32 x 1 5/16	C Frame	SP	Sleeve	Open	C52367	110
65272	1	—	120	3000	1.10	1	CCW	7/32 x 1 1/2	C Frame	SP	Sleeve	Open	C23272	485
65709	5/8	—	120	3000	0.88	1	CCW	7/32 x 2 3/8	C Frame	SP	Sleeve	Open	C53709	108 485
65894K	3/4	—	120	3000	0.90	1	CCW	7/32 x 2 3/8	C Frame	SP	Sleeve	Open	82229 K5894	42 106
82423K	1/2	—	120	2650	0.60	1	CW	7/32 x 1 1/2	C Frame	SP	Sleeve	Open	89423-000	42 106
65103	7/8	—	120	3000	0.71	1	CCW	7/32 x 1 1/4	C-Frame	SP	Sleeve	Open	C63675	485
65104	3/4	—	120	3000	0.74	1	CCW	7/32 x 1 3/4	C-Frame	SP	Sleeve	Open	C66582	107
65105	7/8	—	120	3000	0.88	2	CCW	7/32 x 1 7/16	C-Frame	SP	Sleeve	Open	C27987	110
65106	5/8	—	115	3000	0.70	1	CCW	7/32 x 2 3/8	C-Frame	SP	Sleeve	Open	C68627	485
65112	1/2	—	120	3000	0.76	1	CW	7/32 x 1 3/4	C-Frame	SP	Sleeve	Open		104 105
40695	—	1/100	120	1180	0.60	1	CWSE	1/4 x 1 1/8	—	SP	Sleeve	Open	0695B000	529
82512	—	1/100	115	1550	0.70	1	CCW	1/4 x 1 1/8	2 1/16	SP	Sleeve	Totally Enclosed	26750 26761	42
82513	—	1/100	115	1550	0.70	1	CCW	1/4 x 1 1/4	2 1/16	SP	Sleeve	Totally Enclosed	23388 23405	41 42
82635	—	1/91	115	1550	0.45	1	CCW	1/4 x 1 1/8	2.09	SP	Sleeve	Totally Enclosed	54123 54257	42
80600	—	1/80	115	3000	0.65	1	CW	1/4 x 2 1/8	2 1/2	SP	Sleeve	Open	16553	41
82637	—	1/75	115	1550	0.63	1	CCW	1/4 x 1 1/8	2	SP	Sleeve	Totally Enclosed	53581	42
82510	—	1/70	115	1320	0.85	1	CW	1/4 x 1 1/8	2 1/16	SP	Sleeve	Open	C65073	41 482
40933	—	1/50	120	1550	1.20	1	CCW	1/4 x 1	1 7/8	SP	Sleeve	Open	86933000 86933	482
82733	—	1/50-1/80	115	3000	1.00-0.60	2	CW	1/4 x 1 1/4	2 1/2	SP	Sleeve	Totally Enclosed	C26733	42
40696	—	1/45	115	1400	0.86	1	CCWLE	1/4 x 1	—	SP	Sleeve	Open	0696B000 86322	529
82621	—	1/10	115	1550	3.80	1	CCW	5/16 x 1 1/2	3 5/8	SP	Ball	Open	32997 67176	

**Notes:**

- 41. 1 1/8" Hubs
- 42. Includes cord and plug
- 104. Same as 65100 except mounting screws are on the shaft end
- 105. Includes A65100FB impeller
- 106. Assembled with bracket as illustrated
- 107. Has eyelet terminals on leads
- 108. Has a one shot overload
- 110. Includes two speed plug
- 482. Two prong plug and cord attached
- 485. Includes two prong plug
- 529. Complete assembly, motor, mounting flange and blower wheel



## Nutone

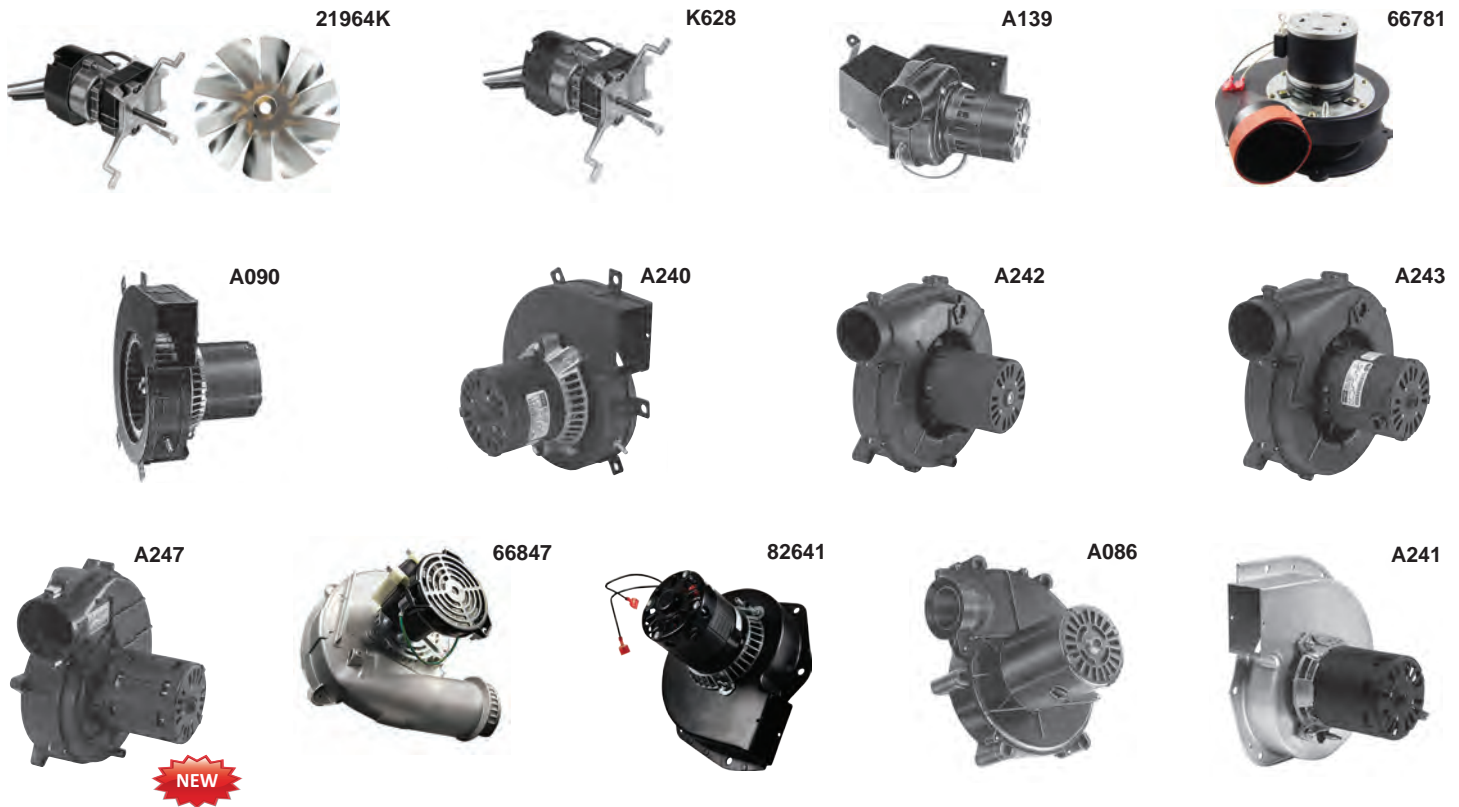
Item ID	Bore (In.)	Diameter (In.)	Width (In.)	Bore	Replaces
A65900	1/4	5 3/4	2	D Shape	59000A000
A65100FB	7/32	4 9/16	—	D Shape	68920

## Oasis

Item ID	Watts	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Enclosure	Hertz	Mounting	Replaces
10037	5	115	1550	0.34	CW	1/4 x 1/2	2 3/8	SP	Totally Enclosed	60	Double Foot Pads	027354-026 027354-037
10038	9	115	1550	0.53	CW	1/4 x 1/2	2 1/2	SP	Totally Enclosed	60	Double Foot Pads	027354-038

## Penn Ventilator

Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Dia. (In.)	ENCL.	Replaces
OPV400206	1/40	115	1050	1.10	CCWLE	3/8 x 2 1/4	3	SP	5	Open	D340 Z-6
OPV343	1/40	115	1550/1050	1.40/0.60	CCWLE	1/3 x 5 3/4	2 1/4	SP	3.3	Open	56343-0 JA2M414-T
OPV747	1/7, 1/11, 1/25	115	1550/1300/1050	2.50/2.10/1.60	CCWLE	1/2 x 2 1/2	4 1/4	PSC	5	Open	63747-0 DE2F7085-T
OPV748	1/6, 1/12, 1/20	115	1550/1300/1050	2.10/1.90/1.40	CCWLE	1/2 x 2 3/5	4 1/4	PSC	5	Open	63748-0 DE2F7088-T
D342	1/15	115	1050	2.30	CW	3/8 x 2 1/2	2 5/8	SP	5	Open	7151-3081 7151-3565
OPV746	1/12	115	1550/1300	1.50/0.90	CCWLE	1/3 x 3 1/3	3 5/6	PSC	3.3	Open	63746-0 JE2H057-T
OPV346	1/4	115	1550/1050	3.60/2.50	CCWLE	1/3 x 5 1/3	4 2/3	PSC	3.3	Open	56346-0 JE2K007-T

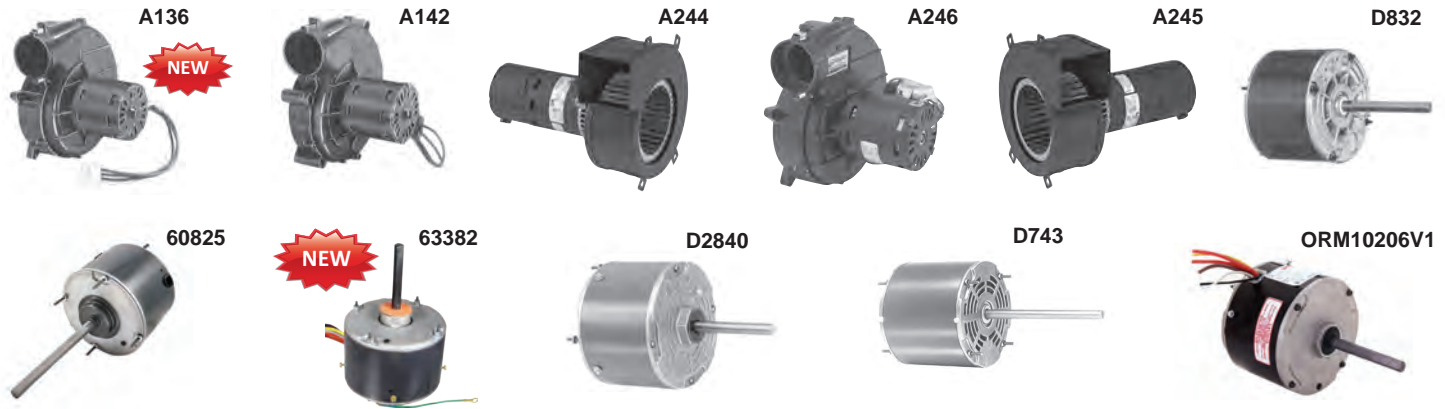


## Rheem

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rot.	Shaft Dim. (In.)	Type	Bearings	ENCL.	Replaces
21964K	—	208-230	3000	0.25	1	CW	1/4 x 1 1/2	SP	Sleeve	Open	51-21964-11
K628	—	208-230	3000	0.25	1	CW	1/4 x 1 1/2	SP	Sleeve	Open	51-21964-01 51-21964-11
A139	1/55	115	3000	0.95	1	CW	—	SP	Sleeve	Open	7021-7577
66781	1/50	115	3000	0.60	1	CW	—	PSC	Ball	Open	70-101087-81 70-21496-83 70-24157-03 7021-11559
A090	1/50	115	3000	1.10	1	CW	—	SP	Sleeve	Open	74-70-21496-01 7021-5239 JAIM102
A240	1/50	115	3000	1.1	1	CCW	—	SP	Sleeve	Open	7021-8183 70-21496-00
A242	1/50	115	3400	1.36	1	CW	—	SP	Sleeve	Open	7021-7150 70-22436-01
A243	1/50	115	3400	1.36	1	CW	—	SP	Sleeve	Open	7021-7790 70-22436-02
<b>NEW</b> A247	1/40	115	3250/3800	0.95	2	CW	—	PSC	Sleeve	Open	7062-5519
66847	1/30	120	3000	1.70	1	CCWLE	—	SP	Ball	Open	117104-01 117847-07 70-22838-82 70-24157-03
82641	1/25	208-230	3200	0.62	1	CW	—	SP	Sleeve	Open	70-23641-81
A086	1/25	115	3200	1.3	1	CW	—	SP	Sleeve	Open	7021-5990 7021-5853
A241	1/25	208-230	3200	0.62	1	CW	—	SP	Sleeve	Open	70-23641-81

Notes: 21964K: for more information, please see page 49.

K628 and 21964K: Stack Size - 3/4"

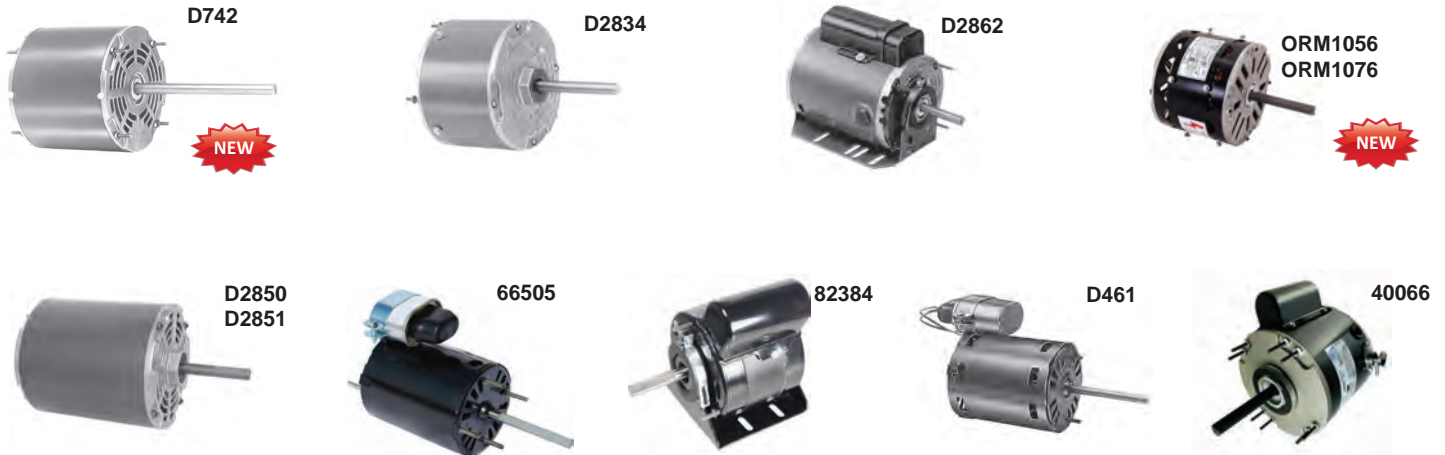


## Rheem

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rot.	Shaft Dim. (In.)	Length Less Shaft (In.)	Type	Bearings	Dia. (In.)	Replaces
<b>NEW</b> A136*	1/20	115	3450	0.75	1	CW	—	—	PSC	Sleeve	3.3	7062-3861
A142*	1/20	115	3450	0.7	1	CW	—	—	SP	Sleeve	3.3	7062-2513, 416673-00003, 7062-1881
A244*	1/20	208-230	3300	0.85	1	CCW	—	—	SP	Ball	3.3	7021-6967, 70-42241-01
A246*	1/20	115	3400/ 2400	0.85	2	CW	—	—	PSC	Ball	3.3	70-24206-01, 7062-3925
A245*	1/15	208-230	3000	.95/.85	1	CW	—	—	SP	Ball	3.3	7021-7490, 70-42278-02
D832	1/8	208-230	825	1.10	1	Rev.	1/2 x 4 3/4	4	PSC	Sleeve	5 5/8	21276-02 21276-01 512076-01
60825	1/6	208-230	825	1.20	1	Rev.	1/2 x 6 1/2	4 1/4	PSC	Ball	5 5/8	51-20760-11 51-20763-01 51-20763-02
<b>NEW</b> 63382	1/5	208-230	1075	1.30	1	Rev.	1/2 x 3 3/4	3 3/4	PSC	Ball	5 5/8	51-21853-82 KA55HXMPT-6557 51-20672-01 51-20673-01 51-20674-01 51-20675-01 51-20679-01 51-20680-01 51-20681-01 51-20682-01 51-21826-01
D2840	1/5	208/230	1075	1.30	1	CW	1/2 x 4 1/8	3 3/4	PSC	Sleeve	5 5/8	51-21853-82
D743	1/5	208-230	1075	1.20	1	Rev.	1/2 x 6	3 1/2	PSC	Sleeve	5 5/8	95-3154
ORM10206V1	1/5	208-230	1075	1.40	1	Rev.	1/2 x 4 1/4	3 7/8	PSC	Sleeve	5 5/8	KA55HXMPT-6557 51-20672-01 51-20673-01 51-20674-01 51-20675-01 51-20679-01 51-20680-01 51-20681-01 51-20682-01 51-21826-01 51-21827-01 51-21828-01 51-21829-01 51-21830-01 51-21831-01

Notes: \*Open Enclosure





## Rheem

Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Dia. (In.)	Replaces
<b>NEW</b> D742	1/4	208-230	1075	2.10	Reversible	1/2 x 6	4	PSC	Sleeve	5 5/8	
D2834	1/3	208/230	1075	2.00	CW	1/2 x 4 1/4	4	PSC	Sleeve	5 5/8	51-21853-83
D2862	1/2	208-230	1075	4.00	Reversible	1/2 x 3	6 1/2	PSC	Ball	5 5/8	5KCP37PN244BS MTG3041
<b>NEW</b> ORM1056	1/2	115	1075	5.70	CWSE	1/2 x 3 1/2	4 5/8	PSC	Sleeve	5 5/8	51-22873-01
<b>NEW</b> ORM1076	3/4	115	1075	10.5	Reversible	1/2 x 5	5 5/8	PSC	Sleeve	5 5/8	51-22859-01
D2850	1 3/4	208-230/460 (60Hz) 200/380-415 (50Hz)	1125/950	4.60/2.30	CW	1/2 x 3.45	6 1/2	PSC	Ball	5 5/8	5KCP39SFL153DS MOT05717 X70671180017 X70670706010 MOT03771
D2851	1 3/4	208-230/460 (60Hz) 200/380-415 (50Hz)	1125/950	4.60/2.30	CW	1/2 x 3.45 Keyed	6 1/2	PSC	Ball	5 5/8	5KCP39SFL153DS MOT09188 MOT09192 X7067165301 X70671656010

## Reznor

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rot.	Shaft Dim. (In.)	Length Less Shaft (In.)	Type	Bearings	Enclosure	Dia. (In.)	Replaces
66505	1/10	115/208/230	3000	1.40/0.80	1	Rev.	5/16 x 3 1/4	4 1/4	PSC	Ball	Open	3.3	CW175-40069 CCW505-43424 CCW175-40070 7162-0293 7162-0348 7162-0294 CCW77162-0311 CCW175-43846 CW7162-0224 CW36860
82384	1/8	115	1075	2.60	1	Rev.	1/2 x 2 7/8	3 7/8	PSC	Sleeve	Totally Enclosed	4.97	170-45888 319P384
D461	1/8	480	3200	0.32	1	CCW	5/16 x 3 1/3	4 1/4	PSC	Sleeve	Totally Enclosed	3.3	43762 7162-0396
40066	1/6	115	1075	2.40	1	Rev.	1/2 x 3 3/8	4 1/2	PSC	Ball	Totally Enclosed	5 5/8	55682



67154



15001  
65001



15040  
15041  
65040  
65041



W9



W10



A251



82136



40242

## Russell Coil

Item ID	Stack Size (In.)	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Type	Bearings	Enclosure	Hertz	Replaces
67154	3/4	120	3000	0.55	1	CCW	1/4 x 5/8	SP	Sleeve	Open	60	102249-005

## Scotsman

Item ID	Watts	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	ENCL.	Mounting	Hertz	Replaces
15001	25	115	1500	1.10	CW	1/4 x 1/2	3 3/8	TE	Double Foot Pads	50/60	18-7200-01
65001	25	115	1500	1.10	CW	1/4 x 1/2	3 3/8	TE	Double Foot Pads	50/60	18-7200-01
15040	50	115	1500	1.70	CW	3/8 x 1 1/2	3 5/8	Semi-Enclosed	Double Foot Pads	60	18-5105-11
15041	50	230	1500	0.85	CW	3/8 x 1 1/2	3 5/8	Semi	Double Foot Pads	60	18-5105-02
65040	50	115	1500	1.70	CW	3/8 x 1 1/2	3 5/8	Semi	Double Foot Pads	50/60	18-5105-11
65041	50	230	1500	0.85	CW	3/8 x 1 1/2	3 5/8	Semi	Double Foot Pads	50/60	18-5105-02

## State Ind.

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	ENCL.	Replaces
W9	1/60	115	3000	0.95	1	CW	SP	Sleeve	OFC	0012400500
W10	1/20	115	3400	1.80	1	CCW	SP	Sleeve	OFC	0012400540

## Skymark

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Enclosure	Replaces
<b>NEW</b> A251	1/35	208-230	3000	1.1	1	CCW	SP	Sleeve	Open	MTR136PK 7021-9136
<b>NEW</b> 82136	1/35	208-230	3000	1.10	1	CCW	SP	Sleeve	Open	MTR136PK

## Sterling Radiator Co.

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Enclosure	Dia. (In.)	Mounting	Replaces
40242	1/20	115	1050	2.00	1	CW	3/8 x3	3.19	SP	Sleeve	TE	5	Stud	7151-0103



A073

**NEW**



OTC6001  
OTC6004



OTC1862  
OTC1864



15020  
15021  
65020  
65021



15045  
65045



82324

## Tappan

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Dia. (In.)	Replaces
<b>NEW</b> A073	1/40	115/230	3000	0.7/0.35	1	CCW	SP	BALL	3.3	82932 11429-32 HQ6D1023UN 8251560133 4MH13

## Tecumseh

Item ID	Watts/HP	Volts	RPM	Amps	Rotation	Shaft Dim. (In.)	Length Less Shaft (In.)	Type	Bearings	Dia. (In.)	ENCL.	Hertz	Replaces
OTC6004	1/20	230	1500	1.11	CCWSE	5/16 x 2 1/2	3 1/16	SP	Sleeve	5	Open	50/60	810S037B01
OTC6001	1/15	230	1500	1.30	CCWLE	5/16 x 2 3/4	3 1/16	SP	Sleeve	5	Open	50/60	810S050A99
OTC1862	1/4	230	1625	1.90	CWLE	1/2 x 2 3/4	4 3/8	PSC	Ball	5 5/8	Open	50/60	TFM1862 8330 KA55HXKGD8330
OTC1864	1/4	460	1625	0.95	CWLE	1/2 x 2 3/4	4 3/8	PSC	Ball	5 5/8	Open	50/60	TFM1864 8331 KA55HGE8331
15020	35	115	1500	1.40	CW	1/4 x 1/2	3 3/8	SP	Unit	—	TE	60	810M035A29
15021	35	230	1500	0.70	CW	1/4 x 1/2	3 3/8	SP	Unit	—	TE	60	810M035A21 810M035A28
65020	35	115	1500	1.40	CW	1/4 x 1/2	3 3/8	SP	Unit	—	TE	50/60	810M035A29
65021	35	230	1500	0.70	CW	1/4 x 1/2	3 3/8	SP	Unit	—	TE	50/60	810M035A21 810M035A28
15045	50	230	1500	0.85	CCW	5/16 x 2 1/2	3 3/4	SP	Unit	—	Open	60	810M050A62
65045	50	230	1500	0.85	CCW	5/16 x 2 1/2	3 3/4	SP	Unit	—	Open	50/60	810M050A62

## Tradewinds

Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Dia. (In.)	Replaces	Notes
82324	1/25	115	1550	2.10	CWLE	3 x 5/16 x 1 7/8	3	SP	Sleeve	3.3	19-09-215	41

Notes:  
41. 1 1/8" Hubs



66787



A265, A198,  
A266, A199,  
A267, A261,  
A264 A260

**NEW**



A279,  
A278

**NEW**



A146,  
A367

**NEW**



A370

**NEW**



A194

**NEW**



A069

**NEW**



A197

**NEW**



A276

**NEW**



A143

## Trane

	Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Replaces			Notes
	66787	—	120	3000	1.20	1	CCWLE	SP	Ball	BLW473 21C138126	210330673 21D330673	210340125 787P01	111
<b>NEW</b>	A265	1/125	115	3000	0.75	2	CW	SP	Ball	D342078P02	7002-3444		
<b>NEW</b>	A266	1/125	115	3000	1.0	2	CW	SP	Ball	D342078P04	7002-3445		
<b>NEW</b>	A267	1/125	115	3000	1.4	2	CW	SP	Ball	D342078P05	D342078P06	7002-3446	
<b>NEW</b>	A279	1/125	115	3000	0.75	2	CW	SP	Ball	D341663P04 7002-3275	D341095P04	7002-2531	
<b>NEW</b>	A264	1/120	115	3000	0.75	2	CW	SP	Ball	D342078P01	D342079P01	7002-3443	
<b>NEW</b>	A146	1/100	115	3000	1.0-0.35	2	CW	SP	Sleeve	7021-7986 X3804276047	7021-8925	7002-2531	
<b>NEW</b>	A370	1/100	208-230	2920	0.18	2	CCW	PSC	Ball	C664099P01	7062-3918		
<b>NEW</b>	A194	1/80	115	3000/1950	1.0/0.5	2	CW	SP	Sleeve	X38020420017 7021-9561	D330900P01	7021-9511	
<b>NEW</b>	A069	1/70	208-230	3000	0.5	1	CCW	SP	Sleeve	38040252 X3804025202	7021-10259	X38040252017	
<b>NEW</b>	A197	1/70	33-110	1500/4700	1.0	VAR	CW	3 PHASE	Ball	X38010571010	D342097P01	7092-0238	
<b>NEW</b>	A367	1/60	115	3000	0.95	2	CW	SP	Sleeve	21D340096P02	7021-8051	7021-9011	
<b>NEW</b>	A276	1/55	115	3000	1.0	1	CW	SP	Sleeve	D330757P01	7021-9011		
	A143	1/50	115	3000	0.95	1	CW	SP	Sleeve	210330673 R7-RFB143	210340125 7021-8428	X38040305017 D330809P01	
<b>NEW</b>	A278	1/50	115	3000	1.4	2	CW	SP	Ball	D341095P02	7002-2530		
<b>NEW</b>	A198	1/45	115	3000	1.75	1	CW	SP	Ball	D342077P01	7058-0259		
<b>NEW</b>	A199	1/45	115	3000	1.75	1	CW	SP	Ball	D342077P02	7058-0260		
<b>NEW</b>	A260	1/45	115	3250	1.0	1	CW	SP	Ball	D342077P03			
<b>NEW</b>	A261	1/45	115	3250	1.0	1	CW	SP	Ball	D342077P04	7058-0262		

Notes:  
111. Includes special plug



## Trane

	Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Hertz	Replaces
<b>NEW</b>	A262	1/45	115	3250	1.0	1	CW	SP	Ball	60	D342077P05 7058-0263
<b>NEW</b>	A263	1/45	115	3250	1.0	1	CW	SP	Ball	60	D342077P06 7058-0264
<b>NEW</b>	A268	1/45	115	3000	1.4	2	CW	SP	Ball	60	D342078P06 7002-3447
<b>NEW</b>	A369	1/45	208-230	2800	0.34	2	CCW	PSC	Ball	60	C663946P01 7062-3915
<b>NEW</b>	A361	1/42	115	3000	1.6	1	CW	SP	Ball	60	D330787P01 7002-2558
<b>NEW</b>	A362	1/42	115	3000	1.6	1	CW	SP	Ball	60	D341663P05 7002-3273
<b>NEW</b>	82057	1/40	115	3000	1.00	1	CCWSE	SP	Ball	60	X38040253057
<b>NEW</b>	A075	1/40	230	3000	0.4	1	CCW	SP	Ball	60	38050005 X38050005007
	A192	1/40	115	3000	1.00	1	CCW	SP	Ball	60	7021-8569 X38040253057
<b>NEW</b>	82253	1/35	208/240	3000	0.6	1	CCW	SP	Ball	60	21C729631P1 C661452P01 7021-10286 7021-7833
	A150	1/35	208-230	3000	0.50	1	CCW	SP	Sleeve	60	C661452P01 X38080029010 21C729631P1 BLW-451
<b>NEW</b>	A193	1/35	208-240	3480	0.59/0.5	1	CCW	SP	Ball	60	X38040050010 7021-8591
<b>NEW</b>	A269	1/35	208-230	2500/3000	0.58/0.6	1	CCW	SP	Ball	50/60	X38040363010 7021-11054
<b>NEW</b>	A373	1/35	208-230	3000	0.6	1	CCW	SP	Ball	60	C665662P01 7021-9396
<b>NEW</b>	A196	1/25	115	3200	1.35	1	CW	SP	Sleeve	60	X38040313060 X38040313027 D342094P02
<b>NEW</b>	A360	1/25	115	2700	1.0	2	CW	SP	Ball	60	D341663P01 D341095P01 7002-2532 7002-3274
<b>NEW</b>	A274	1/24	208-230	3500	0.28	1	CW	PSC	Ball	50/60	X38040311-01 7062-3973
<b>NEW</b>	A130	1/20	115	3450	0.7	1	CW	PSC	Sleeve	60	X38040313037 D330757P035 D330757P03 21D340365P03
<b>NEW</b>	A368	1/20	115	3200	0.8	2	CW	PSC	Sleeve	60	D340623P01 7062-3782



A271,  
A272,  
A273

**NEW**



A195

**NEW**



A191

**NEW**



A270

**NEW**



41728



D1050



D895

**NEW**



G2249  
G2245  
G2247



OTR4513



D2853

**NEW**

## Trane

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Hertz	Replaces		
<b>NEW</b> A271	1/18	208-230	3500	0.62	2	CW	PSC	Ball	50/60	X38040308-01	7062-3969	
<b>NEW</b> A195	1/16	115	3400	1.75	1	CW	SP	Ball	—	X38040313070 D330757P03	D342094P03	
<b>NEW</b> A191	1/15	208-230	3000	0.8	1	CCW	SP	Sleeve	—	X38040251017	7021-6683	
<b>NEW</b> A270	1/15	208-230	3350/2800	0.42/0.5	2	CCW	PSC	Ball	50/60	X38040369010	7062-5033	
<b>NEW</b> A272	1/12	208-230	3500	0.65	2	CW	PSC	Ball	50/60	X38040309-01	7062-3971	
<b>NEW</b> A273	1/8	208-230	3500	0.62	2	CW	PCS	Ball	50/60	X38040310-01	7062-3972	
Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Dia. (In.)	Capacitor Required	Replaces
41728	1/8	230	1550	1.10	CW	1/2 x 3	3 1/8	PSC	Sleeve	5	Included	WW94X236SP WW94X936PSC MOT-3438
D1050	1/8	230	1550	1.10	CW	1/2 x 3	3 1/4	PSC	Sleeve	5	Included	WW94X236SP WW94X936PSC
<b>NEW</b> D895	1/8	208-230	1650	0.80	CW	1/2 x 1 1/2		PSC	Sleeve	5 5/8		5KCP39BGR426S MOT6363
G2249	1/8	208-230	1075	0.75	CCW	1/2 x 2 3/4	3 7/8	PSC	Ball	5	5M/370V	D151316P01
OTR4513	1/8	208-240	1550	0.80-0.90	CCWLE	1/2 x 3 1/8	3 3/8	PSC	Sleeve	5	Included	5KSP29DK1728S MOT-3438
G2247	1/6	208-230	1100	1.30	CCWLE	1/2 x 2 3/4	3 7/8	PSC	Ball	5	5M/370V	D151276P01
G2245	1/4	208-230	1075	1.70	CCW	1/2 x 2 3/4	3 7/8	PSC	Ball	5	7.5M/370V	D151060P01 D151269P01 D151270P01
<b>NEW</b> D2853	1/2-1/3	208-230/460	1100/925	2.5-1.9/ 1.4-1.3	Rev.	1/2 x 4	6.05	PSC	Ball	5 5/8	10M/440V	X70670709-01 X70670710



## Tyler

Item ID	Watts	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Enclosure	Mounting	Hertz	Replaces
15990	9	115	1550	0.23	Reversible	1/4 threaded	2 1/2	PSC	Totally Enclosed	Rear mounting	50/60	52179990

## Ventline

Item ID	Stack Size (In.)	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Type	Bearings	ENCL.	Hertz	Replaces	Notes
65110K	1/2	120	3000	0.41	1	CW	Splined	SP	Sleeve	Open	60	J238-050-5330	101

**Notes:**

101. Includes 6 1/2" Fan Blade. Used on Ventline found in many Mobile Homes

## Whalen

Item ID	H.P.	Volts	RPM	Amps	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Enclosure	Dia. (In.)	Replaces
40485	1/20-1/35	115	1050	1.0	CW	1/2 x 2 3/4	3 1/4	PSC	Sleeve	Open	4.68	DA3D060 DA3D061

## Whirlpool

Item ID	Stack Size (In.)	H.P.	Volts	RPM	Amps	Speeds	Rotation	Shaft Dimension (In.)	Length Less Shaft (In.)	Type	Bearings	Dia. (In.)	Replaces	Notes
65327	1/2	—	120	3000	1.50	1	CCW	Metal Hub	—	SP	Sleeve	—	482468	112
65328	1/2	—	120	3000	0.32	1	CW	Metal Hub	—	SP	Sleeve	—	482469	112
65329	1/2	—	120	3000	0.51	1	CW	Metal Hub	—	SP	Sleeve	—	482470	112
82516	—	1/15	115	1550	2.50	3	CCWLE	3 1/4 x 5/16 x 3 1/4	3 1/4	SP	Sleeve	3.3		

**Notes:**

112. Motor Manufactured with Howard Industries Tooling. All Metal Hubs.

## Williamson

Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	Dia. (In.)	Replaces
<b>NEW</b> A080	1/45	115	3000	1.1	1	CW	SP	Sleeve	3.3	D6996403, D6996404, 7021-10263
<b>NEW</b> A118	1/15	115	3000	1.8	1	CW	SP	Sleeve	3.3	7021-6999, 7021-7042



## York

	Item ID	H.P.	Volts	RPM	Amps	Speeds	Rotation	Type	Bearings	ENCL.	Replaces		
NEW	A231	1/75	115	3000	1.3	2	CW	SP	Sleeve	Open	024-27653-000	7021-10213	7021-10675
NEW	A083	1/60	230	3000	0.8	1	CCW	SP	Ball	Open	026-16323-0000	026-20224-000	026-20224-700
NEW	A063	1/56	230	3000	0.6	1	CCW	SP	Ball	Open	026-22239-000	026-22234-700	7021-10257
NEW	A144	1/40	208-230	3000	0.5	1	CW	SP	Sleeve	Open	7021-6770	024-24115-014	
NEW	A221	1/40	208-230	3000	0.55	1	CCW	SP	Sleeve	Open	026-30614-700	026-31221-700	026-32067-700
NEW	A222	1/35	115	3000	1.05	1	CCW	SP	Ball	Open	026-32067-000	026-32067-700	7021-7481
NEW	A226	1/35	115	3000	1.7	1	CW	SP	Ball	—	024-34490-000	7058-0266	
NEW	82999	1/30	208-230	3200	0.65	1	CW	SP	Sleeve	Open	026-33999-001		
NEW	A154	1/30	115	3000	1.2	1	CW	SP	Sleeve	Open	024-27519-000	7021-10300	7021-9428
	A223	1/30	208-230	3200	0.64	1	CW	SP	Sleeve	Open	026-33999-001	7021-10096	7021-9656
	A137	1/25	115	3450	0.70	1	CW	PSC	Sleeve	Open	024-25007-000	024-25007-700	024-25057-000
	A165	1/25	115	3450	0.70	1	CW	PSC	Ball	Open	024-25960-000	7062-3958	
NEW	A227	1/25	115	3450	0.7	1	CW	PSC	Sleeve	Open	024-27641-000	373-20717-001	
NEW	A228	1/25	115	3000	2.0	1	CW	SP	Ball	—	024-31957-000	024-32085-000	7002-2941
											7002-3285		
NEW	A229	1/25	115	3000	1.75	1	CW	SP	Ball	—	024-32052-000	024-32085-000	7058-0267
NEW	A168	1/20	115	3450	0.7	1	CW	PSC	Ball	Open	20000101	7062-1881	7062-3136
NEW	A220	1/20	115	3000	1.6	1	CW	SP	Ball	Open	026-30887-700	026-27510-000	026-30887-000
											026-27510-700	7021-5838	7021-7217
NEW	A230	1/20	115	3450	0.8	2	CW	PSC	Sleeve	Open	024-31953-000	7021-5094	
NEW	A224	1/18	115	3450	0.8	2	CW	SP	Sleeve	Open	024-27654-000	7062-4743	7062-5048
	A225	1/15	115	3200	2.25	1	CW	SP	Ball	Open	024-34558-000	7021-11577	7021-11830
											17503		
NEW	A234	1/12	208-230	3200	0.5	1	CW	PSC	Ball	Open	026-39532-000	7062-5155	7062-5267
	G2248	1/8	208-230	1075	0.86	1	CWLE	SP	Sleeve	—	024-27551-000		





# FRIENDLY. FAST. KNOWLEDGABLE.

Experience the difference with Packard's compressor cross referencing services.

When a contractor has a cross reference challenge to solve, you need answers fast.

Reach out to us. Our customer service staff and technical support team is on site in our Kennesaw headquarters, to provide you with the friendly service you deserve.

## The Packard difference:

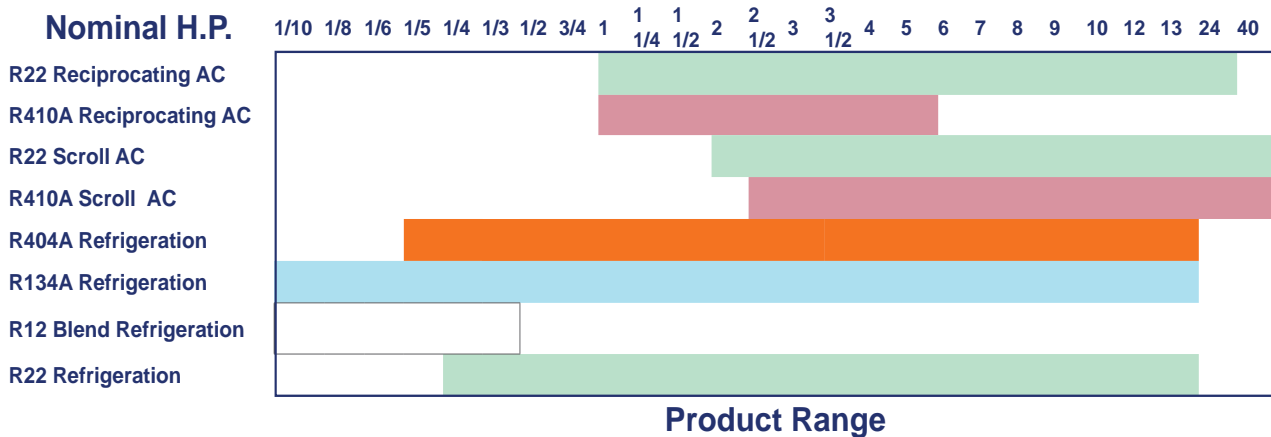
- We spend time asking the right questions
- Thorough cross referencing using manufacturer approved databases and industry reference materials
- Quick follow-up
- National reach, "local" feel

When it comes to compressor support, we've got the right stuff.



# COMPRESSORS THAT SPAN THE REFRIGERANT spectrum.

## DELIVERY THAT SPANS FROM coast to coast.



Residential    Appliance    Bottling    Light Commercial    Commercial    Industrial

## Bristol H7 Series Compressors



### Features

- Approved for R407C and R22
- Lower replacement cost
- Easy change out
- Single phase and 3 phase



Made In USA

Item ID	Refrigerant	Nominal H.P.	Voltage	Capacity (Btu)	Foot Mount (In.)	Discharge (In.)	Suction (In.)	CCH
<b>Bristol R22, R407C</b>								
<b>NEW</b> H79B15UABCA	R407C/R22	1 1/4	230/208-1-60	13800	7.5 x 7.4	1/2	3/4	Yes
H79B18UABCA	R407C/R22	1 1/2	230/208-1-60	18000	7.5 x 7.5	1/2	3/4	Yes
H79B22UABCA	R407C/R22	2	230/208-1-60	22000	7.5 x 7.6	1/2	3/4	Yes
H79B28UABCA	R407C/R22	2 1/2	230/208-1-60	28000	7.5 x 7.7	1/2	3/4	Yes
H79B35UABCA	R407C/R22	3	230/208-1-60	35000	7.5 x 7.5	1/2	3/4	Yes
<b>NEW</b> H79B32UABCA	R407C/R22	2 1/2	230/208-1-60	29800	7.5 x 7.5	1/2	3/4	Yes
H73A423ABCA	R407C/R22	3 1/2	230/208-1-60	42000	7.5 x 7.9	1/2	3/4	Yes
H71J443ABCA	R407C/R22	4	230/208-1-60	44000	7.5 x 7.10	1/2	3/4	Yes
H73A563ABCA	R407C/R22	5	230/208-1-60	56000	7.5 x 7.11	1/2	3/4	Yes
H73A563DBEA	R407C/R22	5	460-3-60	56000	7.5 x 7.12	1/2	3/4	Yes
H73A563DBLA	R407C/R22	5	230/208-3-60	56000	7.5 x 7.13	1/2	3/4	Yes

## Bristol HCR Series Compressors



### Features

- Approved for R407C and R22
- Same tubing and mounting configuration as Copeland CR series
- Wiring Harness with plug included
- Charged with POE oil



Made In USA

Item ID	Refrigerant	Nominal H.P.	Voltage	Capacity (Btu)	Foot Mount (In.)	Discharge (In.)	Suction (In.)	CCH	Replaces
<b>Bristol R22, R407C</b>									
<b>NEW</b> HCRB143ABCA	R407C/R22	1 1/4	230/208-1-60	14000	7.5 x 7.5	1/2	3/4	Yes	CR14K6-PFV
HCRB183ABCA	R407C/R22	1 1/2	230/208-1-60	18000	7.5 x 7.5	1/2	3/4	Yes	CR18K6-PFV
<b>NEW</b> HCRB203ABCA	R407C/R22	1 3/4	230/208-1-60	20000	7.5 x 7.5	1/2	3/4	Yes	CR20K6-PFV
<b>NEW</b> HCRB223ABCA	R407C/R22	1 3/4	230/208-1-60	22000	7.5 x 7.5	1/2	3/4	Yes	CR22K6-PFV
HCRB243ABCA	R407C/R22	2	230/208-1-60	24000	7.5 x 7.5	1/2	3/4	Yes	CR24K6-PFV
HCRB283ABCA	R407C/R22	2 1/4	230/208-1-60	28000	7.5 x 7.5	1/2	3/4	Yes	CR28K6-PFV
<b>NEW</b> HCRB323ABCA	R407C/R22	2 1/2	230/208-1-60	32000	7.5 x 7.5	1/2	3/4	Yes	CR32K6-PFV
HCRB303ABCA	R407C/R22	2 3/4	230/208-1-60	30000	7.5 x 7.5	1/2	3/4	Yes	CR30K6-PFV
HCRB353ABCA	R407C/R22	3	230/208-1-60	35000	7.5 x 7.5	1/2	3/4	Yes	CR35K6-PFV

Cross reference comparisons do not imply that all products compared are exact in reference to form, fit and function. Review specifications carefully prior to purchase.

## Residential Heat Pump And AC Reciprocating Compressors



H22J

H22A



Made In USA

### Features

- Single phase and three phase
- Designed for easy drop in installation in air conditioning and heat pump applications
- Quick connect wiring connections
- Direct replacement compressors for OEM applications
- Compressors come with internal high pressure relief valve and internal linebreak motor protection
- Compressors come completely dehydrated, fully oil charged with mounting hardware and terminal cover

Item ID	Refrig	Nominal H.P.	Nominal Volts-Phase-Hertz	Nominal Capacity (Btu)	Discharge Foot (In.)	Suction Size (In.)	Discharge Size (In.)	Suction CCH	Tecumseh	Replaces Copeland	Replaces Bristol
<b>Bristol R22 Series</b>											
H22J15BABCA	R22	1 1/4	230/208-1-60	15000	7.5 x 7.5	1/2	3/4	YES	AW*5515	CR16K	H29B15UABCA
H22J18BABCA	R22	1 1/2	230/208-1-60	18000	7.5 x 7.5	1/2	3/4	YES	AW*F5518	CR18K	H29B18UABCA
H2EB18SABCA	R22	1 1/2	230/208-1-60	18000	7.5 x 7.5	3/8	5/8	NO	AW*F5519	CR18K	H29B18UABCA
H2EB18SABCB	R22	1 1/2	230/208-1-60	18000	4.8 x 8	3/8	5/8	NO	NA (rectangle Foot Mount)	NA (rectangle Foot Mount)	H23B18UABCB
H22J22BABCA	R22	2	230/208-1-60	22000	7.5 x 7.5	1/2	3/4	YES	AW*5522	CR22K	H29B22UABCA
H2EB223ABCA	R22	2	230/208-1-60	22000	7.5 x 7.5	3/8	5/8	NO	AW*5522	CR22K	H29B22UABCA
H2EB24SABCA	R22	2	230/208-1-60	24000	7.5 x 7.5	1/2	3/4	NO	AW*5524	CR24K	H29B24UABCA
H2EB24SABCB	R22	2	230/208-1-60	24000	4.8 x 8	3/8	5/8	NO	NA (rectangle Foot Mount)	NA (rectangle Foot Mount)	H23B24UABCB
H22J25BABCA	R22	2	230/208-1-60	24800	7.5 x 7.5	1/2	3/4	YES	AW*5524	CR24K	H29B24UABCA
H2EB28SABCA	R22	2 1/2	230/208-1-60	28000	7.5 x 7.5	1/2	3/4	NO	AW*5528	CR28K	H29B28UABCA
H2EB283ABCB	R22	2 1/2	230/208-1-60	28000	4.8 x 8	3/8	5/8	NO	—	—	H23B28UABCB
H22J29BABCA	R22	2 1/2	230/208-1-60	29000	7.5 x 7.5	1/2	3/4	NO	A*5528	CR28K	H29B28UABCA
H2EB32SABCA	R22	2 1/2	230/208-1-60	32000	7.5 x 7.5	1/2	3/4	NO	AW*5532	CR32K	H29B32UABCA
H22J33BABCA	R22	2 1/2	230/208-1-60	33000	7.5 x 7.5	1/2	3/4	YES	AW*5532	CR32K	H29B32UABCA
H22J36BABCA	R22	3	230/208-1-60	36000	7.5 x 7.5	1/2	3/4	YES	AV*5535	CR35K, CR36K	H29B35UABCA
H22J38BABCA	R22	3	230/208-1-60	38000	7.5 x 7.5	1/2	3/4	YES	AV*5538	CR38K	H23A383ABCA
H22J383DBLA	R22	3	230/200-3-60	38000	7.5 x 7.5	1/2	3/4	YES	AV*5538	CR38K	H23A383DBLA
H22J383DBVA	R22	3	460/380-3-60	38000	7.5 x 7.5	1/2	3/4	YES	AV*5538	CR38K	H23A383DBVA
H22J413DBEA	R22	3 1/2	460-3-60	41000	7.5 x 7.5	1/2	3/4	YES	AV*5542	CR41K	H23A413DBEA
H22J413DBLA	R22	3 1/2	230/200-3-60	41000	7.5 x 7.5	1/2	3/4	YES	AV*5542	CR41K	H23A413DBLA
H22J413ABCA	R22	3 1/2	230/208-1-60	41000	7.5 x 7.5	1/2	3/4	YES	AV*5542	CR41K	H23A413ABCA
H22J443DBDA	R22	4	230/208-3-60	44000	7.5 x 7.5	1/2	3/4	YES	AV*5546	CR47K	H23A463DBLA
H22J443DBEA	R22	4	460-3-60	44000	7.5 x 7.5	1/2	3/4	YES	AV*5545	CR47K	H23A463DBEA
H22J44BABCA	R22	4	230/208-1-60	44000	7.5 x 7.5	1/2	3/4	YES	AV*5546	CR47K	H23A463ABCA
H22A503ABCA	R22	4	230/208-1-60	50000	7.5 x 7.5	1/2	7/8	YES	—	—	—
H22A543ABCA	R22	4 1/2	230/208-1-60	54000	7.5 x 7.5	1/2	7/8	YES	AV*5555	CR53K	H23A543ABCA
H22A543DBEA	R22	4 1/2	460-3-60	54000	7.5 x 7.5	1/2	7/8	YES	AV*5555	CR53K	H23A543DBEA
H22A543DBLA	R22	4 1/2	230/200-3-60	54000	7.5 x 7.5	1/2	7/8	YES	AV*5555	CR53K	H23A543DBLA
H22A563DBLA	R22	5	230/208-3-60	56000	7.5 x 7.5	1/2	7/8	YES	AV*5558	—	—
H22A583ABCA	R22	5	230/208-1-60	58000	7.5 x 7.5	1/2	7/8	YES	AV*5558	CRP5-0450	H23A563ABCA
H22A583DBEA	R22	5	460-3-60	58000	7.5 x 7.5	1/2	7/8	YES	AV*5558	CRN5-0500	H23A563DBEA
H22A623ABCA	R22	5	230/208-1-60	62000	7.5 x 7.5	1/2	7/8	YES	AV*5558	CR60K	H23A623ABCA
H22A623DBEA	R22	5	460-3-60	62000	7.5 x 7.5	1/2	7/8	YES	AV*5558	CR60K	H23A623DBEA
H22A623DBLA	R22	5	230/200-3-60	62000	7.5 x 7.5	1/2	7/8	YES	AV*5558	CR60K	H23A623DBLA
H29A723DBLA	R22	6	230/200-3-60	72000	7.5 x 7.5	1/2	7/8	YES	—	—	—
<b>Bristol R410A Series</b>											
H82J18BABCA	R410A	1 1/2	230/208-1-60	18000	7.5 x 7.5	1/2	3/4	YES	—	—	H8*J18*ABCA
H82J22BABCA	R410A	2	230/208-1-60	22000	7.5 x 7.5	1/2	3/4	YES	—	CP12K8E-PFV	H8*J22*ABCA
H82J28BABCA	R410A	2 1/2	230/208-1-60	28000	7.5 x 7.5	1/2	3/4	YES	—	CP18K8E-PFV	H8*J28*ABCA
H82J32BABCA	R410A	3	230/208-1-60	32000	7.5 x 7.5	1/2	3/4	YES	—	CP18K8E-PFV	H8*J31*ABCA
H82J40BABCA	R410A	3 1/2	230/208-1-60	40000	7.5 x 7.5	1/2	3/4	YES	—	CP25K8E-PFV	H8*J38*ABCA
H82J50BABCA	R410A	4	230/208-1-60	50000	7.5 x 7.5	1/2	3/4	YES	—	—	H8*J50*ABCA

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## Residential Heat Pump And AC Scroll Compressors



Made In USA



### Features

- High-quality, quiet, and easy to install
- Universal replacement for air conditioning and heat pump applications
- Same 7.5" square bolt pattern with similar suction/discharge connection heights as Copeland
- Lighter and quieter with 30% fewer parts than Copeland
- Unloaded scroll set eliminates the need for start capacitor
- Superior thermal fault protection (blocked TXV, loss of charge, etc)

Item ID	MFG #	Refrig	Nominal H.P.	Volts-Phase-Hertz	Capacity (Btu)	Discharge Size (In.)	Suction Size (In.)	Replaces		
								Copeland	Carlyle	Old Bristol
<b>Danfoss R22 Series</b>										
HRM025T1LP6	120U2780	R22	2	208-230-1-60	25000	1/2	3/4	ZR25K-PFV	XCD250AA	—
HRM032U1LP6	120U0921	R22	2 3/4	208-230-1-60	32000	1/2	3/4	ZR28K*-PFV	XCD320HA	H23C323ABCA
HRM034U1LP6	120U0926	R22	3	208-230-1-60	34000	1/2	3/4	ZR34K*-PFV	XCD340HA	H23C343ABCA
HRM038U1LP6	120U0931	R22	3	208-230-1-60	38000	1/2	3/4	ZR36K*-PFV	XCD380HA	H23C383ABCA
HRM034U2LP6	120U1081	R22	3	208-230-3-60	34000	1/2	3/4	ZR34**-*-*-*	XCY342HA	H23C343DBDA
HRM038U2LP6	120U1091	R22	3	208-230-3-60	38000	1/2	3/4	ZR36**-*-*-*	XCY382HA	H23C383DBDA
HRM034U4LP6	120U1001	R22	3	460-3-60 400-3-50	34000	1/2	3/4	ZR34**-*-*-*	XCH342HA	H23C343DBEA
HRM042U1LP6	120U0941	R22	3 1/2	208-230-1-60	42000	1/2	3/4	ZR42K*-PFV	XCD420HA	H23C423ABCA
HRM042U2LP6	120U1111	R22	3 1/2	208-230-3-60	42000	1/2	3/4	ZR42K*-TF5	XCY422HA	H23C423DBDA
HRM047U1LP6	120U0951	R22	4	208-230-1-60	47000	1/2	7/8	ZR47K*-PFV	XCD470HA	H23C473ABCA
HRM047U2LP6	120U1131	R22	4	208-230-3-60	47000	1/2	7/8	ZR47K*-TF5	XCY472HA	H23C473DBDA
HRM047U4LP6	120U1051	R22	4	460-3-60 400-3-50	47000	1/2	7/8	ZR47K*-TFD	XCH472HA	H23C473DBEA
HRM054U1LP6	120U1511	R22	4 1/2	208-230-1-60	54000	1/2	7/8	ZR54K*-PFV	XRD540HA	H23R543ABCA
HRM054U2LP6	120U1871	R22	4 1/2	208-230-3-60	54000	1/2	7/8	ZR54K*-TF5	XRY542HA	H23R543DBDA
HRM054U4LP6	120U1696	R22	4 1/2	460-3-60 400-3-50	54000	1/2	7/8	ZR54**-*-*-*	XRH542HA	H23R543DBEA
HRM058U1LP6	120U1531	R22	4 3/4	208-230-1-60	58000	1/2	7/8	ZR57K*-PFV	XRD580HA	H23R583ABCA
HRM058U2LP6	120U1876	R22	4 3/4	208-230-3-60	58000	1/2	7/8	ZR57K*-TF5	XRY582HA	H23R583DBDA
HRM058U4LP6	120U1711	R22	4 3/4	460-3-60 400-3-50	58000	1/2	7/8	ZR57K*-TFD	XRH582HA	H23R583DBEA
HRM060U1LP6	120U1546	R22	5	208-230-1-60	60000	1/2	7/8	ZR61K*-PFV	XRD600HA	H23R603ABCA
HRM060U2LP6	120U1881	R22	5	208-230-3-60	60000	1/2	7/8	ZR61K*-TF5	XRY602HA	H23R603DBDA
HRM060U4LP6	120U1736	R22	5	460-3-60 400-3-50	60000	1/2	7/8	ZR61K*-TFD	XRH602HA	H23R603DBEA
<b>Danfoss R410A Series</b>										
HRH029U1LP6	120U2277	R410A	2 1/2	208-230-1-60	29000	1/2	3/4	ZP29K5E-PFV	XGD290HA	—
HRH034U1LP6	120U1146	R410A	2 3/4	208-230-1-60	34000	1/2	3/4	ZP34K5E-PFV	XGD340HA	H83C343ABCA
HRH036U1LP6	120U1151	R410A	2 3/4	208-230-1-60	36000	1/2	3/4	ZP36K*E-PFV	XGD360HA	H83C363ABCA
HRH038U1LP6	120U1156	R410A	3 1/4	208-230-1-60	38000	1/2	3/4	ZP38K*E-PFV	XGD380HA	H83C383ABCA
HRH038U2LP6	120U1271	R410A	3 1/4	208-230-3-60	38000	1/2	3/4	ZP38K*E-TF5	XGY382HA	H83C383DBDA
HRH044U1LP6	120U1286	R410A	3 3/4	208-230-1-60	44000	1/2	7/8	ZP44**-*-*-*	XND440HA	H83R443ABCA
HRH044U2LP6	120U1456	R410A	3 3/4	208-230-3-60	44000	1/2	7/8	ZP44**-*-*-*	XNY442HA	H83R443DBDA
HRH044U4LP6	120U1361	R410A	3 3/4	460-3-60 400-3-50	44000	1/2	7/8	ZP44**-*-*-*	XNH442HA	H83R443DBVA
HRH051U1LP6	120U1296	R410A	4 1/4	208-230-1-60	51000	1/2	7/8	ZP50**-*-*-*	XND510HA	H83R513ABCA
HRH051U2LP6	120U1466	R410A	4 1/4	208-230-3-60	51000	1/2	7/8	ZP50**-*-*-*	XNY512HA	H83R513DBDA
HRH051U4LP6	120U1371	R410A	4 3/4	460-3-60 400-3-50	51000	1/2	7/8	ZP50**-*-*-*	XNH512HA	H83R513DBEA
HLH061T1LP6	120U2042	R410A	5	208-230-1-60	61000	1/2	7/8	ZP61K5E-PFV	XND610HA	—
HLH061T2LC6	120U2062	R410A	5	208-230-3-60	61000	1/2	7/8	ZP61**-*-*-*	XNY612HE	—
HLH061T4LC6	120U2052	R410A	5	460-3-60 400-3-50	61000	1/2	7/8	ZP61**-*-*-*	XNH612HE	—

Cross reference comparisons do not imply that all products compared are exact in reference to form, fit and function. Review specifications carefully prior to purchase.

## Commercial Air Conditioning Reciprocating Compressors



Made In USA



H22G



H2DA

### Features

- Completely dehydrated, fully oil charged with mounting hardware and terminal cover provided
- Single and two speed compressors
- Internal line break protection through 12 HP
- 15HP through 24HP compressors shipped with external protective module
- Available with Rotolock and sweat connections
- Available with sight glass
- See compressor accessories on page 128-144.

Item ID	Refrig	Nominal H.P.	Volts-Phase- Hertz	Nominal Capacity	Foot (In.)	Discharge Size (In.)	Suction Size (In.)	CCH	Module	Replaces	
										Copeland BR	Bristol
<b>Bristol H22G SERIES Single Speed 3 Phase 60 Hertz</b>											
H22G094DBDE #	R22	7 1/2	230/208-3-60	94000	9.5 x 9.5	1 1/4 x 12	1 3/4 x 12	230V	N/REQD	BRD20750TFC	H2BG094DBDE #
H22G094DBEE #	R22	7 1/2	460-3-60	94000	9.5 x 9.5	1 1/4 x 12	1 3/4 x 12	460V	N/REQD	BRD20750TFD	H2BG094DBEE #
H22G104DBDE #	R22	8 1/2	230/208-3-60	100000	9.5 x 9.5	1 1/4 x 12	1 3/4 x 12	230V	N/REQD	BRG20900TFC	H2BG104DBDE #
H22G104DBEE #	R22	8 1/2	460-3-60	100000	9.5 x 9.5	1 1/4 x 12	1 3/4 x 12	460V	N/REQD	BRG20900TFD	H2BG104DBEE #
H22G124DBDE #	R22	10	230/208-3-60	120000	9.5 x 9.5	1 1/4 x 12	1 3/4 x 12	230V	N/REQD	BRH21000TFC	H2BG124DBDE #
H22G124DBEE #	R22	10	460-3-60	120000	9.5 x 9.5	1 1/4 x 12	1 3/4 x 12	460V	N/REQD	BRH21000TFD	H2BG124DBEE #
H22G144DBDE #	R22	12	230/208-3-60	144000	9.5 x 9.5	1 1/4 x 12	1 3/4 x 12	230V	N/REQD	BRK21200TFC	H25G144DBDE #
H22G144DBEE #	R22	12	460-3-60	144000	9.5 x 9.5	1 1/4 x 12	1 3/4 x 12	460V	N/REQD	BRK21200TFD	H25G144DBEE #
H22G184DPDF #	R22	15	230/208-3-60	180000	10.5 x 10.5	1 1/4 x 12	1 3/4 x 12	230V	115/230V	—	H2NG184DPDF #
H22G184DPEF #	R22	15	460-3-60	180000	10.5 x 10.5	1 1/4 x 12	1 3/4 x 12	460V	115/230V	—	H2NG184DPEF #
H22G204FRDF-R	R22	17	230/208-3-60	200000	10.5 x 10.5	1 1/4 x 12	1 3/4 x 12	230V	115/230V	—	H2NG204FRDF #
H22G204DREF-R	R22	17	460-3-60	200000	10.5 x 10.5	1 1/4 x 12	1 3/4 x 12	460V	115/230V	—	H2NG204DREF #
H22G244FRDF #	R22	20	230/208-3-60	244000	10.5 x 10.5	1 1/4 x 12	1 3/4 x 12	230V	115/230V	—	H2NG244FRDF #
H22G244DREF #	R22	20	460-3-60	244000	10.5 x 10.5	1 1/4 x 12	1 3/4 x 12	460V	115/230V	—	H2NG244DREF #
H22G294FPDF #	R22	24	230/208-3-60	290000	10.5 x 10.5	1 1/4 x 12	1 3/4 x 12	230V	115/230V	—	H2NG294FPDF #
H22G294DPEF-R	R22	24	460-3-60	290000	10.5 x 10.5	1 1/4 x 12	1 3/4 x 12	460V	115/230V	—	H2NG294DPEF #
<b>Bristol Two Speed 3 Phase 60 Hz Rotolock with Sight Glass</b>											
H22G094GPDE-R	R22	7 1/2	230/208-3-60	94000	9.5 x 9.5	1 1/4 x 12	1 3/4 x 12	230V	115/230V	—	H2NG094GPDE-R
H22G094GPEE-R	R22	7 1/2	460-3-60	94000	9.5 x 9.5	1 1/4 x 12	1 3/4 x 12	460V	115/230V	—	H2NG094GPEE-R
H22G124GPDE-R	R22	10	230/208-3-60	120000	9.5 x 9.5	1 1/4 x 12	1 3/4 x 12	230V	115/230V	—	H2NG124GPDE-R
H22G124GPEE-R	R22	10	460-3-60	120000	9.5 x 9.5	1 1/4 x 12	1 3/4 x 12	460V	115/230V	—	H2NG124GPEE-R
H22G184GPDF-R	R22	15	230/208-3-60	180000	10.5 x 10.5	1 1/4 x 12	1 3/4 x 12	230V	115/230V	—	H2NG184GPDF-R
H22G184GPEF-R	R22	15	460-3-60	180000	10.5 x 10.5	1 1/4 x 12	1 3/4 x 12	460V	115/230V	—	H2NG184GPEF-R
H22G244GPDF-R	R22	20	230/208-3-60	244000	10.5 x 10.5	1 1/4 x 13	1 3/4 x 13	230V	115/230V	—	H2NG244GPDF-R
H22G244GPEF-R	R22	20	460-3-60	244000	10.5 x 10.5	1 1/4 x 14	1 3/4 x 14	460V	115/230V	—	H2NG244GPEF-R
<b>Bristol Dual Tandem H2DA Series</b>											
H2DA923DBEL	R22	7 1/2	460-3-60	92000	Base plate	3/4 "T" @90° UP W/EXT	1 1/8 T @90° UP	23-40W	—	—	—
H2DA923DBLL	R22	7 1/2	230/200-3-60	92000	Base plate	3/4 "T" @90° UP W/EXT	1 1/8 T @90° UP	23-40W	—	—	—
H2DA114DBEL	R22	9	230/208-3-60	110000	Base plate	3/4 "T" @90° UP W/EXT	1 1/8 T @90° UP	23-40W	—	—	—
H2DA114DBLL	R22	9	230/200-3-60	110000	Base plate	3/4 "T" @90° UP W/EXT	1 1/8 T @90° UP	23-40W	—	—	—
H2DA124DBEL	R22	10	460-3-60	120000	Base plate	3/4 "T" @90° UP W/EXT	1 1/8 T	23-40W	—	—	—
H2DA124DBLL	R22	10	230/200-3-60	120000	Base plate	3/4 "T" @90° UP W/EXT	1 1/8 T @90° UP	23-40W	—	—	—

**Notes:**

# Please add an "-R" for Rotolock fittings or "-S" for Sweat fittings when ordering.

Cross reference comparisons do not imply that all products compared are exact in reference to form, fit and function. Review specifications carefully prior to purchase.

## Light Commercial Air Conditioning Scroll Compressors



### Features

- Economical [Trane Direct Replacements](#)
- All SM115-SM185 compressors feature brazed connections and thermostat motor protection
- Q as the 7th digit denotes that the compressor has a bracket to enable tandem installation
- Mounting kit with grommets, bolts, nuts, sleeves and washers
- Initial oil charge
- Standard SM product includes sight glass along with oil pick up tube and Schrader for easy oil removal

Item ID	MFG #	Refrig	Nominal H.P.	Volts-Phase-Hertz	Nominal Capacity	Discharge Size (In.)	Suction Size (In.)	Replaces	
Danfoss Performer Universal Scroll Compressors R22 With Upper Mounting Bracket								Trane	Copeland
<b>NEW</b> SM090S3VC	SM090-3VI	R22	7.5	208-230-3-60	90000	3/4	1 1/8	CSHA-090K-0*00 or 0A, CSHS-090K-0*00 or 0A	ZR90K3-TWC, ZR90K3E-TWD
<b>NEW</b> SM090S4VC	SM090-4VI	R22	7.5	460-3-60	90000	3/4	1 1/8	CSHA-090K-0*00 or 0A, CSHS-090K-0*00 or 0A	ZR90K3-TWD, ZR90K3E-TWD
SM115S3CC	SM115-3QAI	R22	9	208-230-3-60	115000	7/8	1 3/8	CSHA-093R-0*00 or 0A, CSHS-093R-0*00 or 0A	ZR108KC-TF5, ZR11M3-TWC
SM115S4CC	SM115-4QAI	R22	9	460-3-60 400-3-50	115000	7/8	1 3/8	CSHA-093K-0*00 or 0A, CSHS-093K-0*00 or 0A	ZR108KC-TFD, ZR11M3-TWD
SM125S3CC	SM125-3QAI	R22	10	208-230-3-60	126000	7/8	1 3/8	CSHA-100R-0*00 or 0A, CSHS-100R-0*00 or 0A	ZR125KC-TF5, ZR12M3-TWC
SM125S4CC	SM125-4QAI	R22	10	460-3-60 400-3-50	126000	7/8	1 3/8	CSHA-100K-0*00 or 0A, CSHS-100K-0*00 or 0A	ZR125KC-TFD, ZR12M3-TWD
SM160T3CC	SM160-3CBI	R22	13	208-230-3-60	163000	1 1/8	1 5/8	CSHA-125R-0*00 or 0A	ZR16M3-TWC
SM160T4CC	SM160-4CBI	R22	13	460-3-60 400-3-50	163000	1 1/8	1 5/8	CSHA-125K-0*00 or 0A	ZR16M3-TWD
SM175S3CC	SM175-3QAI	R22	14	208-230-3-60	174000	1 1/8	1 5/8	CSHA-140R-0*00 or 0A, CSHS-140R-0*00 or 0A	—
SM175S4CC	SM175-4QAI	R22	14	460-3-60 400-3-50	174000	1 1/8	1 5/8	CSHA-140K-0*00 or 0A, CSHS-140K-0*00 or 0A	—
SM185S3CC	SM185-3QAI	R22	15	208-230-3-60	185000	1 1/8	1 5/8	CSHA-150R-0*00 or 0A, CSHS-150R-0*00 or 0A	ZR190KC-TW5, ZR19M3-TWC
SM185S4CC	SM185-4QAI	R22	15	460-3-60 400-3-50	185000	1 1/8	1 5/8	CSHA-150K-0*00 or 0A, CSHS-150K-0*00 or 0A	ZR190KC-TWD, ZR19M3-TWD

Made In USA

Item ID	MFG #	Refrig	Nominal H.P.	Volts-Phase-Hertz	Nominal Capacity	Discharge Size (In.)	Suction Size (In.)	Replaces	
<b>Danfoss Performer Scroll Compressors R22</b>									
HLM072T1LP6	120U1566	R22	6	208-230-1-60	72000	1/2	7/8	XRD720AA, ZR72** ****	
HLM072T2LC6	120U1896	R22	6	208-230-3-60	72000	1/2	7/8	XRY722AE, ZR72** ****	
HLM072T4LC6	120U1751	R22	6	460-3-60 400-3-50	72000	1/2	7/8	XRH722AE, ZR72** ****	
<b>NEW</b> HLM075T2LC6	120U1901	R22	6 1/4	208-230-3-60	75000	7/8	1/2	CSHA-075K-0*00 OR 0A, CSHS-075K-0*00 OR 0A, ZR72** ****	
<b>NEW</b> HLM075T4LC6	120U1761	R22	6 1/4	460-3-60	75000	7/8	1/2	CSHA-075K-0*00 OR 0A, CSHS-075K-0*00 OR 0A, ZR72** ****	
HLM081T2LC6	120U1911	R22	7	208-230-3-60	81000	3/4	7/8	XRY812AE, ZR81** ****	
HLM081T4LC6	120U1776	R22	7	460-3-60 400-3-50	81000	3/4	7/8	XRH812AE, ZR81** ****	
HCM094T2LC6	120U0891	R22	8	208-230-3-60	94000	7/8	1 1/8	SRY942AE, ZR90** ****	
HCM094T4LC6	120U0581	R22	8	460-3-60 400-3-50	94000	7/8	1 1/8	SRH942AE, ZR90** ****	
HCM109T4LC6	120U0366	R22	9	460-3-60 400-3-50	109000	7/8	1 1/8	SRH109AE, ZR108** ****	
<b>NEW</b> HCM120T2LC6	120U0761	R22	10	208-230-3-60	120000	7/8	1 1/8	CSHA-120K-0*00 OR 0A, CSHS-120K-0*00 OR 0A, ZR12** ****	
HCM120T4LC6	120U0391	R22	10	460-3-60 400-3-50	120000	7/8	1 1/8	SRH120AE, ZR12** ****	
<b>Danfoss Performer Scroll Compressors R410A</b>									
HLJ083T2LC6		R410A	7	208-230/3/60	83000	1/2	7/8	XNY832AE, ZP83**** ****	
HLJ083T4LC6		R410A	7	460-3-60 400-3-50	92000	1/2	7/8	XNH832AE, ZP83**** ****	
HCJ090T2LC6		R410A	8	208-230/3/60	92000	7/8	1 1/8	SNY902AE, ZP90**** ****	
HCJ090T4LC6		R410A	8	460-3-60 400-3-50	92000	7/8	1 1/8	SNY902AE, ZP90**** ****	
HCJ105T2LC6		R410A	9	208-230/3/60	106800	7/8	1 1/8	SNY105AE, ZP103**** ****	
HCJ105T4LC6		R410A	9	460-3-60 400-3-50	106800	7/8	1 1/8	SNY105AE, ZP103**** ****	
HCJ120T2LC6		R410A	10	208-230/3/60	121500	7/8	1 1/8	SNY120AE, ZP120**** ****	
HCJ120T4LC6		R410A	10	460-3-60 400-3-50	121500	7/8	1 1/8	SNY120AE, ZP120**** ****	

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## Maneurop MT And NT Series Compressors - "The Tank"

### Features

- Replacement for Trane and Tecumseh compressors
- All compressors come with threaded oil sight glass and 3/8" oil equalization connection
- Parts shipped with compressor:
  - Mounting kit with grommets, bolts, nuts, sleeves and washers
  - Suction and Discharge solder sleeves, rotolock nuts and gaskets
  - Initial oil charge and Installation instructions



Item ID / Voltage		BTU Capacity R22	Rotolock Connections		Solder Sleeve Connection		
			Suction (In.)	Discharge (In.)	Suction (In.)	Discharge (In.)	
<b>Danfoss Medium High Temp.</b>							
<b>200-230/1/60</b>							
NEW	MT18-1VI	14800	1	1	1/2	3/8	
NEW	MT22-1VI	20450	1 1/4	1	5/8	1/2	
NEW	MT28-1VI	27980	1 1/4	1	5/8	1/2	
NEW	MT32-1VI	30500	1 1/4	1	5/8	1/2	
NEW	MT36-1VI	35080	1 1/4	1	5/8	3/4	
NEW	MT40-1VI	39650	1 1/4	1	5/8	3/4	
NEW	MT44-1VI	40800	1 3/4	1 1/4	7/8	3/4	
NEW	MT50-1VI	50160	1 3/4	1 1/4	7/8	3/4	
NEW	MT56-1VI	52400	1 3/4	1 1/4	7/8	3/4	
NEW	MT64-1VI	59750	1 3/4	1 1/4	7/8	3/4	
<b>Danfoss Medium High Temp.</b>							
<b>200-230/3/60 460/3/60 400/3/50</b>							
NEW	MT18-3VI	MT18-4VI	14800	1	1	1/2	3/8
NEW		MT22-4VI	20450	1	1	1/2	3/8
	MT28-3VI	MT28-4VI	30200	1	1	1/2	3/8
	MT32-3VI	MT32-4VI	33000	1 1/4	1	5/8	1/2
	MT36-3VI	MT36-4VI	38000	1 1/4	1	5/8	1/2
	MT40-3VI	MT40-4VI	42900	1 1/4	1	5/8	1/2
	MT44-3VI	MT44-4VI	45200	1 3/4	1 1/4	7/8	3/4
	MT50-3VI	MT50-4VI	50500	1 3/4	1 1/4	7/8	3/4
	MT56-3VI	MT56-4VI	56400	1 3/4	1 1/4	7/8	3/4
	MT64-3VI	MT64-4VI	64800	1 3/4	1 1/4	7/8	3/4
	MT72-3VI	MT72-4VI	70200	1 3/4	1 1/4	7/8	3/4
	MT80-3VI	MT80-4VI	80000	1 3/4	1 1/4	1 1/8	3/4
NEW	MT100-3VI	MT100-4VI	88800	1 3/4	1 1/4	1 1/8	3/4
NEW	MT125-3VI	MT125-4VI	115440	1 3/4	1 1/4	1 1/8	3/4
NEW	MT144-3VI	MT144-4VI	130450	1 3/4	1 1/4	1 1/8	3/4
NEW		MT160-4VI	144800	1 3/4	1 1/4	1 1/8	3/4

R22 BTU Capacity is based on 45°F Evaporating temperature and 130°F Condensing temperature.



## Maneurop MT And NT Series Compressors

Item ID / Voltage	BTU Capacity		Rotolock Connections		Solder Sleeve Connection	
	R404A-R507A		Suction (In.)	Discharge (In.)	Suction (In.)	Discharge (In.)
<b>Danfoss Low Temp.</b>						
<b>200-230/1/60</b>						
<b>NEW</b> NTZ048A1LR1A	4950		1 1/4	1	5/8	1/2
<b>NEW</b> NTZ068A1LR1A	7237		1 1/4	1	5/8	1/2
<b>NEW</b> NTZ096A1LR1A	9964		1 3/4	1 1/4	7/8	3/4
<b>NEW</b> NTZ108A1LR1A	11760		1 3/4	1 1/4	7/8	3/4
<b>NEW</b> NTZ136A1LR1A	15129		1 3/4	1 1/4	1 1/8	3/4
<b>Danfoss Low Temp.</b>						
<b>200-230/3/60 460/3/60 400/3/50</b>						
<b>NEW</b> NTZ048A3LR1A	4888	NTZ048A4LR1A	1 1/4	1	5/8	1/2
<b>NEW</b> NTZ068A3LR1A	8185	NTZ068A4LR1A	1 1/4	1	5/8	1/2
<b>NEW</b> NTZ096A3LR1A	9917	NTZ096A4LR1A	1 3/4	1 1/4	7/8	3/4
<b>NEW</b> NTZ108A3LR1A	11470	NTZ108A4LR1A	1 3/4	1 1/4	7/8	3/4
<b>NEW</b> NTZ136A3LR1A	15129	NTZ136A4LR1A	1 3/4	1 1/4	1 1/8	3/4
<b>NEW</b> NTZ215A3LR1A	23360	NTZ215A4LR1A	1 3/4	1 1/4	1 1/8	3/4
<b>NEW</b> NTZ271A3LR1A	32400	NTZ271A4LR1A	1 3/4	1 1/4	1 1/8	3/4

R404A-R507A BTU Capacity is based on -25°F Evaporating temperature, 105°F Condensing temperature, 40°F Return Gas and 0°F Sub Cooling.

Item ID / Voltage	BTU Capacity			Rotolock Connections		Solder Sleeve Connection	
	R404A	R407C	R134A	Suction (In.)	Discharge (In.)	Suction (In.)	Discharge (In.)
<b>Danfoss Medium High Temp.</b>							
<b>200-230/1/60</b>							
<b>NEW</b> MTZ28-1VI	15986	28062	19276	1 1/4	1	5/8	1/2
<b>NEW</b> MTZ32-1VI	18450	30174	20949	1 1/4	1	5/8	1/2
<b>NEW</b> MTZ40-1VI	24230	40024	27864	1 1/4	1	5/8	1/2
<b>NEW</b> MTZ44-1VI	25680	43475	30110	1 3/4	1 1/4	7/8	3/4
<b>NEW</b> MTZ50-1VI	28300	48150	34460	1 3/4	1 1/4	7/8	3/4
<b>NEW</b> MTZ56-1VI	34300	54807	38881	1 3/4	1 1/4	7/8	3/4
<b>NEW</b> MTZ64-1VI	38080	61757	44404	1 3/4	1 1/4	7/8	3/4
<b>Danfoss Medium High Temp.</b>							
<b>200-230/3/60 460/3/60 400/3/50</b>							
<b>NEW</b> MTZ18-3VI	9490	17230	11200	1	1	1/2	3/8
<b>NEW</b> MTZ22-3VI	13050	21432	14849	1	1	1/2	3/8
MTZ28-3VI	15980	28070	19260	1	1	1/2	3/8
MTZ32-3VI	17480	30714	20949	1 1/4	1	5/8	1/2
MTZ36-3VI	20150	34120	24490	1 1/4	1	5/8	1/2
MTZ40-3VI	23000	40030	27870	1 1/4	1	5/8	1/2
MTZ44-3VI	24250	43475	30110	1 3/4	1 1/4	7/8	3/4
MTZ50-3VI	28300	48150	34460	1 3/4	1 1/4	7/8	3/4
MTZ56-3VI	31800	54370	38010	1 3/4	1 1/4	7/8	3/4
MTZ64-3VI	36730	60450	45290	1 3/4	1 1/4	7/8	3/4
MTZ72-3VI	40894	70947	50000	1 3/4	1 1/4	7/8	3/4
MTZ80-3VI	45760	76910	56520	1 3/4	1 1/4	1 1/8	3/4
<b>NEW</b> MTZ100-3VI	55950	96380	639963	1 3/4	1 1/4	1 1/8	3/4
<b>NEW</b> MTZ125-3VI	72130	121627	78906	1 3/4	1 1/4	1 1/8	3/4
<b>NEW</b> MTZ144-3VI	880472	139646	96936	1 3/4	1 1/4	1 1/8	3/4
<b>NEW</b> MTZ160-3VI	92320	154420	107631	1 3/4	1 1/4	1 1/8	3/4

R404A BTU Capacity is based on 20°F Evaporating temperature, 120°F Condensing temperature, 0°F Sub Cooling and 20°F Superheat.

R407C BTU Capacity is based on 45°F Evaporating temperature, 130°F Condensing temperature, 15°F Sub Cooling and 20°F Superheat.

R134A BTU Capacity is based on 45°F Evaporating temperature, 130°F Condensing temperature, 15°F Sub Cooling and 20°F Superheat.

## Refrigeration Compressors



Bristol



Danfoss



Embraco

### Features

- Triple duty compressors that may be used in low, medium and high temperature applications
- Direct replacement compressors for Whirlpool, GE and Electrolux appliances
- L1NB Series for ultra low temperature applications
- Replacement compressors for food service equipment, vending machines, bottle coolers, ice machines and other refrigeration equipment

Item ID	Brand	Nominal H.P.	Volts-Phase-Hertz	LT @ -10°F	BTU		Foot (In.)	Discharge Size (In.)	Suction Size (In.)	Replaces	
					MT @ 20°F	HT @ 45°F				Tecumseh	Copeland
<b>R12 Blend</b>											
FF8.5BK1	Embraco	1/5	115-1-60	850	1759	3080	5.5 x 7	1/4	1/4	AEA3430AXA	—
FF10BK1	Embraco	1/4	115-1-60	915	1908	3240	5.5 x 7	1/4	1/4	AEA3430AXA	—
FF11.5BK1	Embraco	1/4	115-1-60	1130	1893	4000	5.5 x 7	1/4	1/4	—	—
FF12BX1	Embraco	1/3	115-1-60	1350	2142	4838	5.5 x 7	1/4	1/4	AEA4440AXA	ARE41C3-IAA (HST) JFB1-0033-IAA (HST)
L1NB262EBAB	Bristol	—	115-1-60	2400	—	—	4.8 x 8	3/8	5/8	—	—
L1NB262EBCB	Bristol	—	230/208-1-60	2400	—	—	4.8 x 8	3/8	5/8	—	—
<b>R134A</b>											
EMIS30HHR1	Embraco	1/10	115-1-60	340	950	1480	4 x 6.5	1/4	1/4	AEA0335YXA	—
EM45HHR1	Embraco	1/8	115-1-60	420	1053	1775	4 x 6.69	1/4	1/4	AZA0350YXA	—
EMI55HER1	Embraco	1/6	115-1-60	510	—	—	4 x 6.69	1/4	1/4	THG1358YXA	—
FF7.5HBK1	Embraco	1/5	115-1-60	630	1622	2760	4 x 6.69	1/4	1/4	AEA1360YXA AEA3425YXA	ARB13C3E-SAA
FF8.5HBK1	Embraco	1/4	115-1-60	740	1745	3135	4 x 6.69	1/4	1/4	AEA3430YXA	AF05C1E-SAA (LST)
FF8.5HBK1C	Embraco	1/4	115-1-60	740	1745	3135	4 x 6.69	1/4	1/4	AEA4430YXA	ARE27C3E-IAA
<b>NEW</b> NF11FX-1	Danfoss	1/3	115-1-60	774	2279	4050	4 x 6.69	1/4	1/4	AEA4440YXA	—
FF10HBX1	Embraco	1/4+	115-1-60	840	—	3650	4 x 6.69	1/4	0.323	—	—
FF10HBK1	Embraco	1/4+	115-1-60	840	1995	3530	4 x 6.69	1/4	1/4	—	—
FF110HBX1	Embraco	1/3	115-1-60	1065	2038	4400	4 x 6.69	1/4	1/4	AEA4440YXA AEA3440YXA	ARE37C3E-IAA
FF112HBX1	Embraco	1/3+	115-1-60	1190	2886	5300	4 x 6.69	1/4	1/4	AEA4448YXA	ARE41C3E-IAA
NE2134Z1	Embraco	1/2	115-1-60	1452	—	—	4 x 6.69	1/4	3/8	AEA2413YXA	AFE12C3E-IAA
NT6215Z1	Embraco	1/2+	115-1-60	—	3705	6626	4.5 x 7	1/4	3/8	AKA4460YXA	RRT62C1-IAA
<b>NEW</b> SC18G-1	Danfoss	1/2+	115/1/60	1582	3479	6217	5 x 5	0.25	0.38	AKA4460YXA, AEA2413YXA	-
NT6217Z1	Embraco	3/4	115-1-60	—	3909	7638	4.5 x 7	1/4	3/8	AKA4476YXA	ART64C1E-IAA
NT6217Z2	Embraco	3/4	230-1-60	—	3909	7490	4.5 x 7	1/4	3/8	AKA4460YXD	ART64C1E-IAV
NJ6220Z1	Embraco	1	115-1-60	—	—	10169	4.8 x 9.25	1/4	3/8	—	AR84C1E-IAA
NJ6220Z2	Embraco	1	230-1-60	—	—	10169	4.8 x 9.25	1/4	3/8	—	ART64C1E-IAZ
<b>NEW</b> NT6220Z1	Embraco	1	115-1-60	—	5750	8400	8 x 4.8	1/4	3/8	AJA4492*X*	—
<b>NEW</b> NT6220Z2	Embraco	1	208/230-1-60	—	6325	8400	8 x 4.8	1/4	3/8	AJA4492*X*	—
NJ6226Z2	Embraco	1 1/4	230-1-60	—	6583	11130	4.8 x 9.25	1/4	3/8	AJA4512YXD	CS10K6E-PFV

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## Refrigeration Compressors



Bristol



Danfoss



Embraco

### Features

- Triple duty compressors that may be used in low, medium or high temperature applications
- Direct replacement compressors for Whirlpool, GE and Electrolux appliances
- Replacement compressors for food service equipment, vending machines, bottle coolers, ice machines and other refrigeration equipment

Item ID	Brand	Nominal H.P.	Volts-Phase-Hertz	LT @ -10°F	BTU MT @ 20°F	HT @ 45°F	Foot (In.)	Discharge Size (In.)	Suction Size (In.)	Replaces	
										Tecumseh	Copeland
<b>R404A</b>											
TF4CLX-1	Danfoss	1/5	115-1-60	776	1603	—	4x 6.7	0.205	1/4	—	—
TFS4.5CLX-1	Danfoss	1/4	115-1-60	1010	—	—	4x 6.7	0.205	1/4	AEA2380ZX	—
NF5.5CLX-1	Danfoss	1/3	115-1-60	1376	2723	—	4x 6.7	1/4	5/16	AEA9415ZX AEA9422ZX	—
NEK2125GK1	Embraco	1/3	115-1-60	1455	—	—	4x 6.7	1/4	3/8	AEA2411ZX	AFE11C4E-IAA
NF7CLX-1	Danfoss	1/3+	115-1-60	1716	3451	—	4x 6.7	1/4	5/16	AEA2411ZX AKA9427ZX	—
SC12CLX.2-1	Danfoss	1/3+	115-1-60	2706	—	—	4x 6.7	1/4	5/16	AJA2419ZX	AFT1840C1E-IAA
NEK2134GK1	Embraco	1/2	115-1-60	1947	—	—	4x 6.7	1/4	3/8	AJA2419ZX	AFE13C4E-IAA
NEK2150GK1	Embraco	1/2+	115-1-60	2493	—	—	4x 6.7	1/4	3/8	AJA2425ZX	AFE17C4E-IAA
NT2168GKV	Embraco	3/4	115-1-60	2694	—	—	4x 6.7	1/4	3/8	AJA2425ZX	AFT22C1E-IAA
NT2168GKV2	Embraco	3/4	230-1-60	2694	—	—	4x 6.7	1/4	3/8	AJA2425ZXD	AFT22C1E-CAV
SC15CLX.2-1	Danfoss	3/4	115-1-60	3000	—	—	4x 6.7	1/4	3/8	AJA2425ZX	AFT22C1E-IAA
<b>NEW</b> NT2192GKV2	Embraco	1	208/230-1-60	3246	—	—	8 x 4.8	1/4	3/8	—	—
SC18CLX.2-1	Danfoss	1	115-1-60	3867	5929	—	4x 6.7	1/4	3/8	AJA2425ZX	AFT26C1E-CAV
NT2180GKV2	Embraco	1	230-1-60	3872	—	—	4.5x 7	1/4	3/8	AJA2425ZXD	AFT296C1E-CFV
NJ2192GK2	Embraco	1 1/4	230-1-60	4502	—	—	4.8x 9.25	1/4	3/8	AJA2444ZXD	AFJ31C2E-CFV
L63B562BBAB	Bristol	3/4	115-1-60	4800	—	—	4.8x 8.0	1/2	3/8	—	—
L63B562BBCB	Bristol	3/4	208/230-1-60	5100	—	—	4.8x 8.0	1/2	3/8	—	CS18K6E-PFV
NT2212GKV2	Embraco	1 1/2	230-1-60	5710	—	—	4.8x 9.25	1/4	3/8	AWA2460ZXD	RS86C1E-PFV
L63B652BBCB	Bristol	1	208/230-1-60	6200	—	—	4.8x 8.0	5/8	3/8	—	CS18K6E-PFV
L63B752BBCB	Bristol	1 1/4	208/230-1-60	7500	—	—	4.8x 8.0	1/2	3/8	—	CF06KE-PFV
L63A113BBCA	Bristol	—	230/208-1-60	10600	—	—	7.5x 7.5	1/2	3/4	—	—
L63A113DBLA	Bristol	—	230/200-3-60	10600	—	—	7.5x 7.5	1/2	3/4	—	—
L63A183BBCA	Bristol	—	230/208-1-60	18000	—	—	7.5x 7.5	1/2	3/4	—	—
L63A183DBDA	Bristol	—	230/208-3-60	18000	—	—	7.5x 7.5	1/2	3/4	—	—
<b>R22, R404A, R407C</b>											
R92J223ABCA	Bristol	—	230/208-1-60	23634	10780	20300	7.5 x 7.5	1/2	3/4	—	—
R92J343DBVA	Bristol	—	460/380-3-60	34100	17400	33300	7.5 x 7.5	1/2	3/4	—	—
R92J433ABCA	Bristol	—	230/208-1-60	43640	23100	39700	7.5 x 7.5	1/2	3/4	—	—
R92J433DBLA	Bristol	—	230/200-3-60	43270	23300	40100	7.5 x 7.5	1/2	3/4	—	—
R92J433DBVA	Bristol	—	460/380-3-60	42900	23200	39700	7.5 x 7.5	1/2	3/4	—	—

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# COOLING SOLUTIONS Condensing Units

## Refrigeration Condensing Units



### Features

- Broad range of fractional condensing units from 1/4 HP to 1 HP
- Designed for specific applications
- High ambient coil designs
- Quality components selected for longer life and reduced warranty costs

Item ID	Brand	MFG #	Nominal H.P.	Volts-Phase-Hertz	LT @ -10°F	BTU		Version Includes	Replaces	
						MT @ 10°F	HT @ 45°F		Tecumseh	Copeland
<b>R134A</b>										
UF10HBX1	Embraco		1/4	115-1-60	840	1995	3530	Power Cord	AEA4430	M2FH-0026
UF112HBX1-R	Embraco		1/3	115-1-60	1190	2886	5300	Power Cord, Receiver	AEA4440YXAXC	M2FH-A033
UCGC0020RWA000B	Danfoss	114N2017	1/5	115-1-60	—	1860	2699	Power Cord	AEA3417	M2FH0020
UCGC0025RWB000B	Danfoss	114N2019	1/4	115-1-60	—	2085	3029	Power Cord, Receiver	AEA4430	M2FH0026
HCGC0033UWC000B	Danfoss	114N2022	1/3	115-1-60	—	2717	3986	Electrical Box, Receiver	—	—
UNT6215ZC1-R	Embraco		1/2+	115-1-60	—	3909	6626	Electrical Box, Receiver	AKA4460YXAXC	M2FH-0050
UT6217Z1-R	Embraco		3/4+	115-1-60	—	4574	7490	Electrical Box, Receiver	AKA4460YXA	—
UCGC0050UWC000B	Danfoss	114N2024	1/2	115-1-60	—	4264	6249	Electrical Box, Receiver	AKA4460	M2FH0049
HCGC0055RWB000B	Danfoss	114N2026	5/8	115-1-60	—	5009	7374	Electrical Box, Receiver	AKA4476	M2FH0056
HCGC0075UWC000B	Danfoss	114N2027	3/4	115-1-60	—	7325	11052	Electrical Box, Receiver	AJA4492	FTAHA074
HCGC0075UWC000N	Danfoss	114N2028	3/4	230-1-60	—	7325	11052	Electrical Box, Receiver	AJA4492	FTAHA074
<b>R22</b>										
HCMC0100UWD000N	Danfoss	114N2355	1	230-1-60	—	7210	13417	Electrical Box, receiver, low pressure control	—	—
<b>R404A</b>										
UCHC0020RWA000B	Danfoss	114N2316	1/5	115-1-60	764	1422	2098	Power Cord	—	—
UCHC0025RWA000B	Danfoss	114N2317	1/4	115-1-60	1303	2634	1635	Power Cord	AEA9422	M4FH0025
UCHC0025RWB000B	Danfoss	114N2318	1/4	115-1-60	1303	2405	3635	Power Cord, Receiver	—	—
UCHC0033RWC000B	Danfoss	114N2321	1/3	115-1-60	1577	3188	4340	Electrical Box, Receiver	AKA9429	M4FHA036
UCHC0050RWC000B	Danfoss	114N2324	1/2	115-1-60	1959	4279	6030	Electrical Box, Receiver	AKA9440	M4FH0050
UCHC0050RWC000N	Danfoss	114N2325	1/2	230-1-60	1959	4279	6030	Electrical Box, Receiver	AKA9440	M4FH0050
UNEK2134GKC1-R	Embraco		1/2	115-1-60	1947	—	—	Electrical Box, Receiver	AJA2429	VJAL050Z
UNT2180GKV1-R	Embraco		3/4	115-1-60	3822	—	—	Electrical Box, Receiver	AJA2425ZXAX	M4FL0067
UNT2178GKV2-R	Embraco		3/4	230-1-60	3962	—	—	Electrical Box, Receiver	AJA2425ZXD	M4FL0067
HCHC0075UWC000B	Danfoss	114N2330	3/4	115-1-60	—	7693	10759	Electrical Box, Receiver	AJA7465	FTAHA0074
HCHC0075UWC000N	Danfoss	114N2331	3/4	230-1-60	—	7693	10759	Electrical Box, Receiver	AJA7465	FTAHA0074
LCHC0075UWC000B	Danfoss	114N2337	3/4	115-1-60	3460	—	—	Electrical Box, Receiver	—	—
HCHC0100UWD000N	Danfoss	114N2332	1	230-1-60	—	9042	11829	Electrical Box, Receiver, Low Pressure Control	—	—
LCHC0100UWD000N	Danfoss	114N2339	1	230-1-60	5329	—	—	Electrical Box, Receiver, Low Pressure Control	AWA2448	FJALA100

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## Refrigeration Condensing Units

### Features

- Broad range of condensing units from 1 1/2 HP to 13 1/2 HP
- Designed for specific applications
- High ambient coil designs
- Quality components selected for longer life and reduced warranty costs
- WF version includes: Electrical box, receiver, dual pressure control, fan cycling control, dual fan units larger than 3 HP use KPU fan cycling control, filter drier, sight glass, solenoid valve with coil.

Item ID	Brand	MFG #	Nominal		BTU			Version Includes	Replaces	
			H.P.	Volts-Phase-Hertz	LT @ -10°F	MT @ 25°F	HT @ 45°F		Tecumseh	Copeland
<b>R404A</b>										
UNJ2212GK1-R	Embraco		1 1/2	115-1-60	6384	—	—	Electrical Box, receiver	AWA2464ZX	—
UNJ2212GK2-R	Embraco		1 1/2	230-1-60	6384	—	—	Electrical Box, receiver	AWA2464ZX	—
LCZC0151UWF300N	Danfoss	114N6725	1 1/2	230-1-60	7759	—	—	WF	—	—
HCZC0150UWF300N	Danfoss	114N6401	1 1/2	230-1-60	—	11535	17484	WF See Features	AWA7512	FJAMA125 FJAMA126 FJAMA150
HCZC0150UWF300Q	Danfoss	114N6402	1 1/2	208-230-3-60Fan(s) 230-1-60	—	11535	17484	WF See Features	AWA7512	FJAMA125 FJAMA126 FJAMA150
LCZC0201UWF300Q	Danfoss	114N6730	2	208-230-3-60Fan(s) 230-1-60	11021	—	—	WF See Features	—	—
HCZC0200UWF300N	Danfoss	114N6404	2	230-1-60	—	16344	24528	WF See Features	AWA7515	VJAF017H FJAMA200
HCZC0200UWF300Q	Danfoss	114N6405	2	208-230-3-60Fan(s) 230-1-60	—	16344	24528	WF See Features	AWA7515	VJAF017H FJAMA200
HCZC0250UWF300N	Danfoss	114N6408	2 1/2	230-1-60	—	19974	28532	WF See Features	—	—
HCZC0250UWF300Q	Danfoss	114N6409	2 1/2	208-230-3-60Fan(s) 230-1-60	—	28070	28532	WF See Features	—	—
HCZC0275UWF300N	Danfoss	114N6416	2 3/4	230-1-60	—	23738	33558	WF See Features	—	VJAF025H
HCZC0275UWF300Q	Danfoss	114N6417	2 3/4	208-230-3-60Fan(s) 230-1-60	—	23738	33558	WF See Features	—	VJAF025H
LCZC0301UWF300N	Danfoss	114N6733	3	230-1-60	16239	—	—	WF See Features	—	—
LCZC0301UWF300Q	Danfoss	114N6734	3	208-230-3-60Fan(s) 230-1-60	16239	—	—	WF See Features	—	—
HCZC0300UWF300N	Danfoss	114N6420	3	230-1-60	—	27206	38283	WF See Features	AVA7523	FJAMA300 VJAF030H FJAMA325
HCZC0300UWF300Q	Danfoss	114N6421	3	208-230-3-60Fan(s) 230-1-60	—	27206	38283	WF See Features	AVA7523	FJAMA300 VJAF030H FJAMA325
LGZC0401UWF300N	Danfoss	114N6737	4	230-1-60	20792	—	—	WF See Features	—	—
LGZC0401UWF300Q	Danfoss	114N6738	4	208-230-3-60Fan(s) 230-1-60	20792	—	—	WF See Features	—	—
HGZC0400UWF300N	Danfoss	114N6427	4	230-1-60	—	36521	53103	WF See Features	—	VJAF035Z* VJAF035H
HGZC0400UWF300Q	Danfoss	114N6428	4	208-230-3-60Fan(s) 230-1-60	—	36521	53103	WF See Features	—	VJAF035Z* VJAF035H
HGZC0500UWF300N	Danfoss	114N6435	5	230-1-60	—	45339	64640	WF See Features	—	FJAMB400 VJAF040Z* VJAF040H FJAMB500 VJAF050Z*
HGZC0500UWF300Q	Danfoss	114N6436	5	208-230-3-60Fan(s) 230-1-60	—	45339	64640	WF See Features	—	FJAMB400 VJAF040Z* VJAF040H FJAMB500 VJAF050Z*

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## Refrigeration Condensing Units



### Features

- Broad range of condensing units from 1 1/2 HP to 13 1/2 HP
- Designed for specific applications
- High ambient coil designs
- Quality components selected for longer life and reduced warranty costs
- WF version includes: Box, receiver, dual pressure control, fan cycling control, dual fan units larger than 3 HP use KPU fan cycling control, filter drier, sight glass, solenoid valve with coil.

Item ID	Brand	MFG #	Nominal H.P.	Volts-Phase-Hertz	BTU			Version Includes	Replaces	
					LT @ -10°F	MT @ 25°F	HT @ 45°F		Tecumseh	Copeland
<b>R404A</b>										
HCMC0200UWF300N	Danfoss	114N6604	2	230-1-60	—	12895	22266	WF See Features	AWG4520, AWG4524	V3AH015H, V3AH020H, F3ADB201
HCMC0250UWF300N	Danfoss	114N6608	2.5	230-1-60	—	18131	29352	WF See Features	—	F3ADB301, V3AH030H, F3ADB325
HCMC0300UWF300N	Danfoss	114N6620	3	230-1-60	—	24871	40861	WF See Features	AVA4540	V3AH032H
HGMC0400UWF300N	Danfoss	114N6627	4	230-1-60	—	30409	50282	WF See Features	AGA4553	F3ADB401, V3AH040H
HGMC0500UWF300N	Danfoss	114N6635	5	230-1-60	—	39016	63425	WF See Features	AGA4563	V3AH050H, F3ADA501
HCGC0100UWD000N	Danfoss	114N2029	1	230-1-60	—	8491	12555	WD	AJA4512	FTAHA100, FTAHA101
HCZC0150UWF300R	Danfoss	114N6403	1 1/2	460-3-60	—	11153	18503	WF See Features	AWA7512	FJAMA125, FJAMA126, FJAMA150
HCZC0200UWF300R	Danfoss	114N6406	2	460-3-60	—	14286	22434	WF See Features	AWA7515	VJAF017H, FJAMA200
HGZC1000UWF300Q	Danfoss	114N6445	10	208/230-3-60	—	79372	115042	WF See Features	—	FJAH100Z
HGZC1000UWF300R	Danfoss	114N6446	10	460-3-60	—	79372	115042	WF See Features	—	FJAH100Z
LCZC0200UWF300R	Danfoss	114N6731	2	460-3-60	11757	—	—	WF See Features	—	—
LCZC0300UWF300R	Danfoss	114N6735	3	460-3-60	16525	—	—	WF See Features	—	—
LGZC0401UWF300R	Danfoss	114N6739	4	460-3-60	23251	—	—	WF See Features	—	—
LGZC0601UWF300Q	Danfoss	114N6741	6	208/230-3-60	34487	—	—	WF See Features	—	—
LGZC0601UWF300R	Danfoss	114N6742	6	460-3-60	34487	—	—	WF See Features	—	—
LGZC0751UWF300Q	Danfoss	114N6744	7 1/2	208/230-3-60	43286	—	—	WF See Features	—	—
LGZC0751UWF300R	Danfoss	114N6745	7 1/2	460-3-60	43286	—	—	WF See Features	—	—

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## In search of precious metals? We have some of our own to offer.

Our line component selection contains some of the most sought after parts in the market for air conditioning and refrigeration repairs.

From durable stainless steel TXV expansion valves, filter driers with solid copper connections or brass sight glasses, our parts are accessible to your business and available when your customers need them.



## Installation Kits for Bristol Compressors



VIEW COMPLETE BOM

### Features

- Everything you need to install Bristol compressors in one handy box
- Reduce and organize your inventory at one time
- High quality components for superior performance and reduced call backs
- Each Kit Contains three fan capacitors, one compressor (hermetic) capacitor, contactor, filter drier, acid test, wiring harness and assorted copper fittings

Item ID	COMPKIT1
Tons	1 1/2
For Use With Bristol Compressor Model #	H2EB18SABCA H2EB18SABCB H2EB223ABCA

Item ID	COMPKIT2
Tons	2
For Use With Bristol Compressor Model #	H22J22BABCA H2EB24SABCA H2EB24SABCB

Item ID	COMPKIT3
Tons	1 1/4 to 1 1/2
For Use With Bristol Compressor Model #	H22J15BABCA H22J18BABCA

Item ID	COMPKIT4
Tons	2 to 2 1/2
For Use With Bristol Compressor Model #	H22J25BABCA H22J29BABCA

Item ID	COMPKIT5
Tons	3
For Use With Bristol Compressor Model #	H22A503ABCA H22J33BABCA

Item ID	COMPKIT6
Tons	2 1/2 to 4 1/2
For Use With Bristol Compressor Model #	H2EB283ABCB    H22J38BABCA H2EB28SABCA    H22A543ABCA H22J36BABCA    H2EB32SABCA

Item ID	COMPKIT7
Tons	3 1/2
For Use With Bristol Compressor Model #	H22J41BABCA

Item ID	COMPKIT8
Tons	4
For Use With Bristol Compressor Model #	H22J44BABCA

Item ID	COMPKIT9
Tons	5
For Use With Bristol Compressor Model #	H22A583ABCA H22A623ABCA

Item ID	COMPKIT10
Tons	3 PHASE KIT
For Use With Bristol Compressor Model #	H22J293DBVA    H22J443DBEA H22J293DBLA    H22J443DBFA H22J333DBVA    H22A543DBFA H22J333DBLA    H22A543DBLA H22J363DBVA    H22A543DBEA H22J363DBLA    H22A563DBLA H22J383DBLA    H22A623DBEA H22J383DBVA    H22A623DBLA H22J413DBLA    H22A623DBFA H22J413DBEA    H22A723DBLA H22J443DBDA    H22A723DBVA



## Danfoss KPU Pressure And Temperature Controls



**ADOPTED BY ORIGINAL EQUIPMENT MANUFACTURERS**

### Features

- Designed with contractor input
- Fingertip reset
- High visibility contrast scale
- Fail-safe bellows available
- Durable, rust proof plastic cover
- Universal mounting bracket
- Snap action switch
- Easy to maintain and access contacts with 24 FLA rating
- Large connector area
- Easy, direct replacements for most competitor controls
- Finger-tip test for contact operation

Item ID	Type	Pressure Range PSIG	Diff. PSI	Cap Tube Length	Contact Type	Reset	Refrigerant
<b>Danfoss Low Pressure Control</b>							
<b>NEW</b> 060-5240	KPU 2	6 to 73	6 to 30	36"	SPDT	Auto	any HCFC and HFC
060-5235	KPU 2	6 to 73	10 to 30	36"	SPST	Auto	any HCFC and HFC
060-5233	KPU 1	6 to 108	10 to 60	36"	SPDT	Auto	any HCFC and HFC
<b>NEW</b> 060-5234	KPU 1B	28 to 100	10	36"	SPDT	Manual	any HCFC and HFC
<b>Danfoss Fan Cycling Control</b>							
060-5242	KPU 5	100 to 465	25 to 85	36"	SPST	Auto	any HCFC and HFC
060-5243	KPU 6W	100 to 600	58 to 145	none	SPDT	Auto	any HCFC and HFC
060-5245	KPU 6W	100 to 600	58 to 145	36"	SPDT	Auto	any HCFC and HFC
<b>Danfoss High Pressure Control</b>							
060-5246	KPU 6B	100 to 600	60 fixed	36"	SPDT	Manual	any HCFC and HFC

Item ID	Type	Low Pressure			High Pressure			Cap Tube Length	Contact Type
		Range	Diff	Reset	Range	Diff	Reset		
<b>Danfoss Dual Pressure Control</b>									
060-5248	KPU 15	6 to 108	10 to 60	Auto	100 to 465	60 fixed	Auto	36"	SPST
060-5249	KPU 15B	6 to 108	10 to 60	Auto	100 to 465	60 fixed	Manual	—	SPST
060-5250	KPU 15B	6 to 108	10 to 60	Auto	100 to 465	60 fixed	Manual	36"	SPST
060-5253	KPU 16B	6 to 108	10 to 60	Convertible	100 to 600	60 fixed	Convertible	—	SPDT
060-5254	KPU 16B	6 to 108	10 to 60	Convertible	100 to 600	60 fixed	Convertible	36"	SPDT

Item ID	Type	Sensor Type	Reset Function	Range	Differential		Charge	
					At lowest setting	At highest setting		
<b>Danfoss Temperature Control</b>								
060L5206	KPU 62	Room Sensor	Automatic	-20 to 60	8 to 40	2.5 to 13	Vapor	
<b>NEW</b>	060L5215	KPU 68	Room sensor	Automatic	25 to 95	8 to 45	3 to 13	Vapor
<b>NEW</b>	060L5201	KPU 61	Straight capillary tube, 80 in Cap Tube	Automatic	-20 to 60	8 to 40	2.5 to 13	Vapor
<b>NEW</b>	060L5213	KPU 63	Straight capillary tube, 80 in Cap Tube	Automatic	-60 to 15	18 to 125	5 to 15	Vapor
060L5208	KPU 73	Remote Bulb, 80 in Cap Tube	Automatic	-15 to 60	6 to 18	5 to 50	Absorption	
<b>NEW</b>	060L5218	KPU 71	Remote bulb, 80 in Cap Tube	Automatic	25 to 70	5.5 to 18	4 to 16	Absorption
<b>NEW</b>	060L5219	KPU 74	Remote bulb, 80 in Cap Tube	Automatic	0 to 80	9 to 35	9 to 35	Absorption
<b>NEW</b>	060L5223	KPU 77	Remote bulb, 80 in Cap Tube	Automatic	60 to 140	6 to 18	6.3 to 18	Absorption

## Packard Pressure Controls

### Features

- 18 inch leads
- Hermetically sealed
- Tamper proof construction
- Direct mounting on tubing
- For use in residential A/C and commercial refrigeration
- 100% tested
- Contacts rated at 6 amps, 24-240 volts
- UL and CSA recognized



### Low Pressure Controls

Item ID	Open PSI	Close PSI	Tolerance	Replaces
<b>Packard</b>				
PLP0520	5	20	± 5 PSI	SLP0520
PLP1025	10	25	± 5 PSI	SLP1025
PLP1535	15	35	± 5 PSI	SLP1535
PLP2550	25	50	± 5 PSI	SLP2550
PLP2565	25	65	± 5 PSI	SLP2565
PLP2580	25	80	± 5 PSI	SLP2580
PLP4080	40	80	± 5 PSI	SLP4080
PLP5090	50	90	± 5 PSI	SLP5090

Item ID	Open PSI	Tolerance	Replaces
<b>Packard Manual High Pressure Control</b>			
PMR410	410	± 15 PSI	SMR410

### High Pressure Controls

Item ID	Open PSI	Close PSI	Tolerance	Replaces
<b>Packard</b>				
PHP200150	200	150	± 15 PSI	SHP200150
PHP250150	250	150	± 15 PSI	SHP250150
PHP275195	275	195	± 15 PSI	SHP275195
PHP300200	300	200	± 15 PSI	SHP300200
PHP350250	350	250	± 15 PSI	SHP350250
PHP375265	375	265	± 15 PSI	SHP375265
PHP400200	400	200	± 15 PSI	SHP400200
PHP400280	400	280	± 15 PSI	SHP400280
PHP400300	400	300	± 15 PSI	SHP400300
PHP425300	425	300	± 15 PSI	SHP425300
PHP450250	450	250	± 15 PSI	SHP450250
PHP600475	600	475	± 15 PSI	33361

## Danfoss Pressure Regulators- EPR, CPR, Head Pressure, Hot Gas Bypass



### Features

- All valves may be used with all CFC, HCFC or HFC, except R410A
- Hermetic brazed construction - 100% leak tested
- Stainless steel elbows
- Built-in valve seat dampening design
- 1/4" Schrader valve for pressure testing
- Pressure regulation side:
  - KVP/KVR- opens on a rising pressure
  - KVC/KVL- opens on a falling pressure

Item ID	Type	Rated Capacity (Tons)				Solder ODF Connection (In.)	Setting Range PSIG	Factory Setting PSIG	Max Working Pressure PSIG
		R22	R134a	R404A	R407C				
<b>Danfoss Pressure Regulator</b>									
034N0082	CPCE12	6.2	4.3	6.3	6.7	1/2	0 to 85	5.8	400
034N0083	CPCE15	9.2	6.3	9.1	9.9	5/8	0 to 85	5.8	400
034N0084	CPCE22	12.2	8.4	12.1	12.2	7/8	0 to 85	5.8	400
034L0143	KVC12	2.14	1.36	2.02	2.31	1/2	3 to 85	29	400
034L0147	KVC15	4.17	2.65	3.93	4.5	5/8	3 to 85	29	400
034L0043	KVL12	1.3	0.8	1	1.1	1/2	3 to 85	29	261
034L0049	KVL15	1.3	0.8	1	1.1	5/8	3 to 85	29	261
034L0045	KVL22	1.3	0.8	1	1.1	7/8	3 to 85	29	261
034L0023	KVP12	1.3	0.9	1.2	1.2	1/2	0 to 80	29	261
034L0093	KVR12	Liquid: 12.7 Hot gas: 4.13	Liquid: 11.8 Hot gas: 3.03	Liquid: 8.2 Hot gas: 3.27	Liquid: 13.8 Hot gas: 4.5	1/2	70 to 250	145	400
034L0097	KVR15	Liquid: 12.7 Hot gas: 4.13	Liquid: 11.8 Hot gas: 3.03	Liquid: 8.2 Hot gas: 3.27	Liquid: 13.8 Hot gas: 4.5	5/8	70 to 250	145	400
020-1132	NRD12s*					1/2	70 to 250	145	400

Note: \*: NRD generally used in conjunction with a KVR to regulate the condensing pressure.

## Danfoss EVR, General Purpose Solenoid Valves



### Features

- Danfoss EVR type solenoid valves are general purpose valves designed for use in refrigeration, freezer, and air conditioning systems.
- Valve body and coil ordered separately.

Item ID	Item ID	Item ID	R22	Connection	Port
Manual Stem	Not Manual Stem	Service Kit	Cap	(In.)	Size
<b>Danfoss</b>					
	032F7105	032F0181	EVR 3	2.03	1/8
032F7144	032F1162	032F8166	EVR 6	5.83	15/64
<b>NEW</b> 032F7149	032F1168	032F0185	EVR 10	13.8	3/8
<b>NEW</b>	032F7121		EVR 8	8.01	5/16
<b>NEW</b>	032F1171	032F0187	EVR 15	18.9	9/16

Item ID	Coil (VAC)
018F4110	115
018F4120	220
018F4100	24

Item ID	Coil and Opener
018F0091	Magnetic Solenoid Opener

## Danfoss EVU, Specialty Solenoid Valves



**NO WET WRAP REQUIRED**

### Features

- Danfoss EVU solenoid valves are designed to fit into compact refrigeration systems. Their lightweight, compact design includes bimetal connections to permit fast, easy soldering without the need for wet wrapping.
- Valve body and coil ordered separately.

Item ID	Body	Connection (In.)	CV Value
<b>Danfoss</b>			
032F5024	EVU 3	1/4	0.35
032F5026	EVU 3	3/8	0.35
032F5049	EVU 6	1/2	0.93

Item ID	Coil (VAC)
042N4233	115
042N4230	220
042N8236	24

Item ID	Coil and Opener
018F0091	Magnetic Solenoid Opener

## Thermostatic Expansion Valve Service Kits

000MMK-I (068Z7100)  
000MMK-U (068U7000)



MAXIMIZER (068U7001)

**NEW**

**TUA/TUAE Kit Features Valves with No-Wrap Technology**

### Features

- Ideal for after hours service calls
- No more recalls for unstocked valves on after hour calls
- Cut out unnecessary supply house runs - the right valve is always on the truck
- Factory superheat setting - adjustment wrench included
- Sizing and selection chart included
- Durable fitted case that is easy to refill at your convenience

Item ID	Description
068Z7100	Flare valves only T2, TE2 valves only
068U7000	Solder valves only TUA, TUAE valves only
068U7001	Flare and Solder valves T2, TE2, TUA and TUAE valves

## Danfoss TR6 Air Conditioning And Heat Pump Expansion Valve Kits

### Features

- Complete with valve, bulb strap and instructions
- Includes Aeroquip and Chatleff fittings normally found in most evaporators
- Anti-hunt bulb charge
- Retrofit unit with a capillary tube for energy efficiency upgrade
- Contractor friendly bulb strap
- Durable stainless steel power element and capillary tube
- Ideal to optimize performance of mismatched system
- Internal check valve permits use in heat pump systems



Item ID	Refrig	System Capacity (Tons)	Equal. Type	Inlet Conn.	Outlet Conn.	Temp. Range	Fittings Included
<b>Danfoss</b>							
067L5955	R410A	1.5-3	External	3/8 ODF	3/8 ODF	AC	Aeroquip, Chatleff
067L5956	R410A	4	External	3/8 ODF	3/8 ODF	AC	Aeroquip, Chatleff
067L5957	R410A	5	External	3/8 ODF	3/8 ODF	AC	Aeroquip, Chatleff
067L5856	R22	1.5-2	External	3/8 ODF	3/8 ODF	AC	Aeroquip, Chatleff
067L5857	R22	2.5-3	External	3/8 ODF	3/8 ODF	AC	Aeroquip, Chatleff
067L5858	R22	3.4-4	External	3/8 ODF	3/8 ODF	AC	Aeroquip, Chatleff
067L5859	R22	5-6	External	3/8 ODF	3/8 ODF	AC	Aeroquip, Chatleff

## Danfoss TUA/TUAE Series Expansion Valve Bodies

### Features

- Laser engraved identification
- Contractor friendly bulb strap
- Easy to access screen for cleaning
- Fast and easy to install – no wet wrap required
- Durable stainless steel power element and capillary tube
- Replaceable orifice designed for refrigeration applications up to 4 1/2 tons
- Compact, light weight design for rapid installation in small spaces
- Create your own functional valve simply by selecting the valve and pairing with orifice



Item ID	Description	Refrig	Connection	Equalization	External Equalization
<b>Danfoss</b>					
068U2205	TUA	R134a	3/8 X 1/2	Internal	—
068U2207	TUAE	R134a	3/8 X 1/2	External	1/4
068U2235	TUA	R22	3/8 X 1/2	Internal	—
068U2237	TUAE	R22	3/8 X 1/2	External	1/4
068U2285	TUA	R404A/R507	3/8 X 1/2	Internal	—
068U2287	TUAE	R404A/R507	3/8 X 1/2	External	1/4

## Danfoss TUA/TUAE Refrigeration TXV Orifices

### Features

- Orifices for use with Danfoss TUA/TUAE type TXVs
- To select, use capacity required at appropriate evaporator temperature for system refrigerant
- To cross to competitor valve, use nominal capacity as found in model number and match with 40 degree evap temp



Item ID	R134a Capacity@20F	R134a Capacity@40F	R22 Capacity@0F	R22 Capacity@20F	R22 Capacity@40F	R404A/R507 Capacity@-20F	R404A/R507 Capacity@0F	R404A/R507 Capacity@20F	R404A/R507 Capacity@40F
<b>Danfoss</b>									
068U1030	0.12	0.18	0.15	0.17	0.18	0.09	0.11	0.12	0.13
068U1031	0.17	0.20	0.20	0.24	0.26	0.11	0.16	0.18	0.20
068U1032	0.22	0.25	0.24	0.30	0.36	0.13	0.18	0.24	0.28
068U1033	0.31	0.39	0.36	0.42	0.50	0.18	0.25	0.33	0.39
068U1034	0.45	0.58	0.49	0.63	0.75	0.27	0.37	0.49	0.59
068U1035	0.61	0.77	0.66	0.84	0.89	0.36	0.50	0.55	0.79
068U1036	0.91	1.16	0.99	1.25	1.50	0.54	0.75	0.98	1.19
068U1037	1.22	1.56	1.31	1.65	2.00	0.73	1.00	1.31	1.58
068U1038	1.82	2.31	1.98	2.52	2.98	1.10	1.51	1.97	2.35
068U1039	2.69	3.45	2.94	3.74	4.45	1.61	2.22	2.91	3.53

## Danfoss TGE Series Fixed Orifice, Adjustable Superheat Expansion Valves



TGE is a series of TXV for R22/R407C, R134A, R404A and R410A with a fixed orifice. The hermetic design meets demands into the future for a wide range of application that includes: Commercial air conditioning systems, Heat Pumps, Chillers, Transport refrigeration.

### Features

- Stainless steel capillary tube and bulb
- Laser welded stainless steel power element
- 2-way balance port
- Adjustable superheat
- MAH (Maximum Operating Pressure Anti-Hunt) charge standard for R22/R407C and R410A
- N charge standard for R404A
- Straight-way flow
- Maximum working pressure 667psi

Item ID	Refrigerant	Type	Nominal Capacity (Tons)*	Connection (In.)
<b>Danfoss</b>				
067N6151	R404A	TGES 10	4	1/2 x 7/8
067N6150	R404A	TGES 10	5	5/8 x 7/8
067N6166	R404A	TGES 10	5	1/2 x 7/8
067N9206	R410A	TGEL 10	9	5/8 x 7/8
067N9207	R410A	TGEL 10	13	5/8 x 7/8
067N9209	R410A	TGEL 20	15	5/8 x 7/8
067N9210	R410A	TGEL 20	15	5/8 x 1 1/8
067N9213	R410A	TGEL 20	23	7/8 x 1 1/8
067N9284	R410A	TGEL 20	23	1 1/8 x 1 1/8
067N9215	R410A	TGEL 40	31	7/8 x 1 3/8
067N9285	R410A	TGEL 40	31	7/8 x 1 1/8
067N9218	R410A	TGEL 40	35	1 1/8 x 1 3/8
067N9219	R410A	TGEL 40	46	1 1/8 x 1 3/8
067N9403	R22/R407C	TGEX 10	6	1/2 x 5/8
067N9404	R22/R407C	TGEX 10	6	1/2 x 7/8
067N9406	R22/R407C	TGEX 10	7.5	5/8 x 7/8
067N9407	R22/R407C	TGEX 10	11	5/8 x 7/8
067N9409	R22/R407C	TGEX 20	12	5/8 x 7/8
067N9411	R22/R407C	TGEX 20	15	5/8 x 1 1/8
067N9412	R22/R407C	TGEX 20	15	7/8 x 1 1/8
067N9413	R22/R407C	TGEX 20	18	7/8 x 1 1/8
067N9415	R22/R407C	TGEX 40	26	7/8 x 1 3/8
067N9418	R22/R407C	TGEX 40	30	1 1/8 x 1 3/8
067N9419	R22/R407C	TGEX 40	38	1 1/8 x 1 3/8

Note: \*: Nominal Capacity based of ARJ standard, evaporating temperature of 40°F liquid temperature: 98°F condensign temperature: 100°F

## Danfoss Ball Valves



**Maximum flow in open position,  
maximum tightness in closed position**

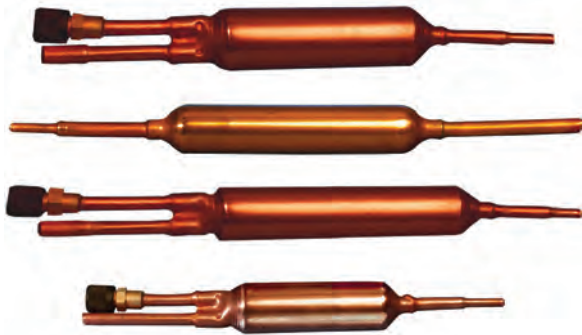
GBC valves are used in liquid, suction and hot gas lines in all refrigeration and air-conditioning systems with fluorinated refrigerants. Danfoss GBC ball valves are manually operated shut-off valves suitable for bi-directional flow. The design is based on years of experience. The valve concept includes a high precision laser welding ensuring both a strong and a light slim line valve body design. The design, weld, and choice of the sealing material enables the ball valves to meet the most demanding requirements, for example, the high working pressure when operating with R410A.

### Features

- UL, CUL and CSA
- Seal cap with retaining strap
- Pressure rating approved for R410A
- Precision laser welded
- Rotation stops and position indicator
- Full flow with minimum pressure drop
- Panel mounting holes
- Bi-directional flow – valve orientation is unimportant
- Slimline design ensures easy operational handling
- Burst proof spindle design prevents liquid from being trapped internally
- Teflon valve seat to secure maximum tightness and a long lifetime
- Access port with schrader valve reduces cost if service of the system is necessary

Item ID	Alternate Code	Solder ODF connection (in)	C <sub>v</sub> value (gal/min)	Weight (lbs)	Max. working pressure (psig)	Max. test pressure (psig)
<b>Danfoss</b>						
009G8050	GBC6S	1/4	2.27	0.52	650	940
009G8051	GBC10S	3/8	6.57	0.52	650	940
009G8052	GBC12S	1/2	12.23	0.54	650	940
009G8053	GBC16S	5/8	16.31	0.54	650	940
009G8054	GBC18S	3/4	23.61	0.86	650	940
009G8065	GBC22S	7/8	32.56	0.94	650	940
009G8066	GBC28S	1 1/8	60.05	1.96	650	940
009G8067	GBC35S	1 3/8	93.51	3.09	650	940
009G8068	GBC42S	1 5/8	139.96	4.91	650	940
009G8059	GBC54S	2 1/8	260.05	9.32	650	940
009G8069	GBC67S	2 5/8	358.36	12.46	650	725

## Spun Copper Driers



Item ID	Description	Stamford
<b>Packard</b>		
PD100	3/4" Directional Drier	4043
PD103	1" Directional Drier	4050
PD109	3/4" Non Directional Drier	4051
PD109P	3 Pack of PD109	4051P
PD110	3/4" Directional Drier	4040
PD114	1" Directional Drier	4041
PD111	1" Valve Drier	4039
PD111P	3 Pack of PD111	4039P
PD112	1" 30 Gram Drier	4049
PD113	1" Double Inlet Drier	4042
PD115	3/4" Valve Drier	4044
PD115P	3 Pack of PD115	4044P
PD116	1" Non Directional Drier with Stepdown	4069
PD4178 *	3/4" Universal UV Dye	4178

### Features

- All Copper Shells
  - 100% Molecular Sieve with XH9 and XH11 desiccants
  - Fully Compatible with ALL new refrigerants
- \* PD4178: New breakthrough drier with UV Dye already installed in the drier to make it easy to locate leaks in sealed systems.

## Danfoss Sight Glass / Moisture Indicators

### Features

- Indicates dangerous moisture levels to prevent formation of harmful acids
- Accurate moisture indication for system monitoring
- High visibility view port
- Brass body design minimizes corrosion
- Inline and vessel mount versions available
- UL, CSA approved



Item ID	Description	Conn. Size	Connection Type	Overall Length
<b>Danfoss</b>				
014-0137	SGN 6	1/4" SAE	M Flare x F Flare	1.81
014-0138	SGN 10	3/8" SAE	M Flare x F Flare	2.24
014-0142	SGN 6s	1/4" ODF	Solder	3.98
014-0143	SGN 10s	3/8" ODF	Solder	4.69
<b>NEW</b> 014-0144	SGN 12s	1/2" ODF	Solder	5.75
<b>NEW</b> 014-0145	SGN 16s	5/8" ODF	Solder	5.75
<b>NEW</b> 014-0147	SGN 22s	7/8" ODF	Solder	6.81

## Danfoss Liquid Line Filter Driers



**GREATER PROTECTION AGAINST CONTAMINANTS**

### Features

- Solid core design
- Mixture of molecular sieve and activated alumina ensures excellent absorption of moisture and acid
- Greater protection against contaminants
- Industry leading moisture capacity
- High dirt retention – down to 25 µm particles with minimal pressure drop
- Solid copper connections for easy installation

Item ID	Description	Conn. Size	Cubic Inches	Conn. Type	Length	R12/R134a Capacity	R22/R410A Capacity	R404A/R507 Capacity
<b>Danfoss</b>								
023Z5075	DCL032	1/4	3	Flare	4.33	2.0	2.0	1.4
023Z5013	DCL032S	1/4	3	Sweat	3.86	2.0	2.0	1.4
023Z5002	DCL052	1/4	5	Flare	4.69	2.0	2.3	1.4
023Z5018	DCL052S	1/4	5	Sweat	4.21	2.0	2.3	1.4
<b>NEW</b> 023Z5003	DCL053	3/8	5	Flare	5.2	3.66	4.1	2.79
023Z5019	DCL053S	3/8	5	Sweat	4.45	5.1	5.4	4.0
<b>NEW</b> 023Z5004	DCL082	1/4	8	Flare	5.71	2.18	2.37	1.55
<b>NEW</b> 023Z5005	DCL083	3/8	8	Flare	6.22	4.03	4.56	3.12
023Z5023	DCL083S	3/8	8	Sweat	5.47	5.4	6.0	4.0
<b>NEW</b> 023Z5006	DCL084	1/2	8	Flare	6.54	8.14	9.03	6.07
<b>NEW</b> 023Z5026	DCL084s	1/2	8	Sweat	5.63	8.14	9.03	6.07
<b>NEW</b> 023Z5007	DCL162	1/4	16	Flare	6.06	2.18	2.36	1.54
023Z5008	DCL163	3/8	16	Flare	6.57	6.3	6.9	4.6
023Z5029	DCL163S	3/8	16	Sweat	5.83	6.3	6.9	4.6
<b>NEW</b> 023Z5009	DCL164	1/2	16	Flare	6.89	9.15	10.07	6.69
023Z5032	DCL164S	1/2	16	Sweat	5.98	8.6	9.4	6.3
<b>NEW</b> 023Z5010	DCL165	5/8	16	Flare	7.24	12.69	14.74 / 15.59	10.41
023Z5033	DCL165S	1/2	16	Sweat	6.22	12.3	13.4	8.6
<b>NEW</b> 023Z0012	DCL303	3/8	30	Flare	9.57	4.46	4.72 / 4.40	3
023Z0030	DCL303S	3/8	30	Sweat	8.82	6.0	6.6	4.3
<b>NEW</b> 023Z0013	DCL304	1/2	30	Flare	9.88	9.24	10.41 / 10.58	7.11
023Z0031	DCL304S	1/2	30	Sweat	8.98	8.8	9.7	6.3
<b>NEW</b> 023Z0014	DCL305	5/8	30	Flare	10.24	13	15.72	10.51
023Z0032	DCL305S	5/8	30	Sweat	9.21	12.6	14.0	9.4
<b>NEW</b> 023Z0034	DCL307s	7/8	30	Sweat	9.76	18.27	21.44 / 23.05	15.34
<b>NEW</b> 023Z0103	DCL415	5/8	41	Sweat	10.28	15.78	17.66	11.9
<b>NEW</b> 023Z0105	DCL415s	5/8	41	Sweat	9.25	15.78	17.66	11.9
<b>NEW</b> 023Z0106	DCL417s	7/8	41	Sweat	9.8	18.89	22.32 / 24.08	16.01
<b>NEW</b> 023Z0036	DCL607s	7/8	60	Sweat	14.71	19.93	25.16 / 30.71	19.94

## Danfoss Filter Drier Cores



**NEW**

Item ID	Description	Material
<b>Danfoss</b>		
023U4381	DCR core insert, type 48-DC solid core	80% molecular sieve & 20% activated alumina
023U5381	DCR core insert, type 48-DA solid core	30% molecular sieve & 70% activated alumina



## Danfoss Suction Line Driers



### Features

- Solid core design with mixture of activated alumina and molecular sieve maximizes acid and moisture absorption
- Contains two schrader valves for measuring pressure drop across the drier
- Burn out drier to be installed ahead of compressor

Item ID	Description	Conn. Size	Cubic Inches	Conn. Type	Length	R12/R134a Capacity	R22/R410A Capacity	R404A/R507 Capacity
<b>Danfoss</b>								
<b>NEW</b> 023Z1009	DAS164SVV	1/2" ODF	16	Sweat	6	1.7	3	2.4
<b>NEW</b> 023Z1010	DAS165SVV	5/8" ODF	16	Sweat	6.2	2.7	4.3	3.7
023Z1011	DAS166SVV	3/4" ODF	16	Sweat	6.7	3.4	5.7	4.9
023Z1012	DAS167SVV	7/8" ODF	16	Sweat	6.8	3.9	6.3	5.4
<b>NEW</b> 023Z1014	DAS306SVV	3/4" ODF	30	Sweat	9.7	4	6.3	5.4
<b>NEW</b> 023Z1015	DAS307SVV	7/8" ODF	30	Sweat	9.8	4.6	7.4	6.3
<b>NEW</b> 023Z1016	DAS309SVV	1 1/8" ODF	30	Sweat	9.8	5.7	8.9	7.7
<b>NEW</b> 023Z1018	DAS419SVV	1 1/8" ODF	30	Sweat	9.8	6.3	10	8.6

## Danfoss Heat Pump Biflow Filter Driers



### Features

- Solid core design
- Check valves are insensitive to dirt and give minimum restriction regardless of flow direction
- Industry leading moisture capacity
- No dirt released in reverse flow
- High dirt retention – down to 25 µm particles with minimal pressure drop

Item ID	Description	Conn. Size	Cubic Inches	Length	R12/R134a Capacity	R22/R410A Capacity	R404A/R507 Capacity
<b>Danfoss</b>							
023Z1433	DCB083S	3/8" ODF	8	5.6	2.1	2.3	1.5
023Z1432	DCB084S	1/2" ODF	8	5.7	2.4	2.6	1.7
023Z1437	DCB163S	3/8" ODF	16	5.9	5.1	5.7	3.7
023Z1436	DCB164S	1/2" ODF	16	6.1	8.0	9.1	5.7
<b>NEW</b> 023Z1435	DCB165s	5/8" ODF	16	6.3	10.6	11.4	8.3

## Bristol and Danfoss Wiring Harness



651078



120Z5056

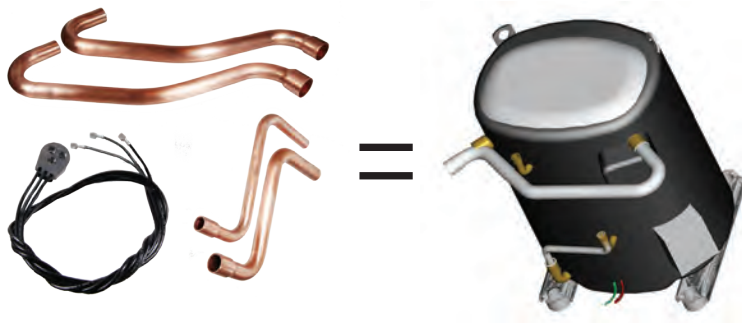
### Features

- Most compressor failures may be attributed to mis-wiring the compressor. These wiring harnesses with molded plug help to eliminate costly mis-wires and eliminates the guess work out of wiring in the compressor. The Wiring Harness provides a low cost solution by getting the serviceman to the next job faster.
- For Bristol or Danfoss compressors.

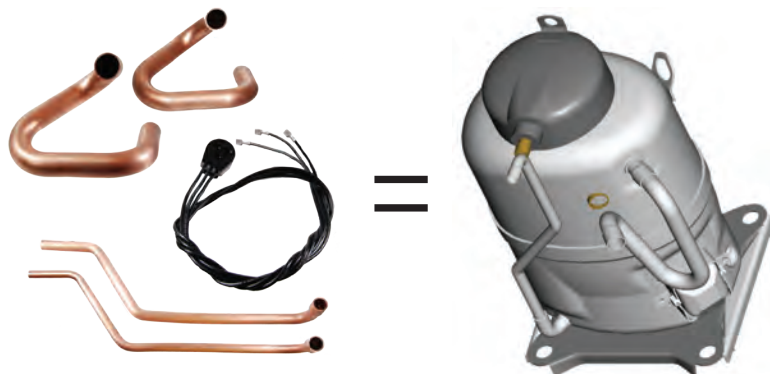
Item ID	Brand	Gauge	Compressor	Length (In.)
<b>Packard</b>				
651078	Bristol	12	Hermetic	36
120Z5056	Danfoss	10	Wire harness, 5', for 200-230V, Scroll	60
<b>NEW</b> 120Z5057	Danfoss	10	Wire harness, 5', for 380-575V Scroll	60

## Bristol Retrofit Assist Kits

344062 RECIPROCATING COMPRESSOR KIT



344063 SCROLL COMPRESSOR REPLACEMENT KIT



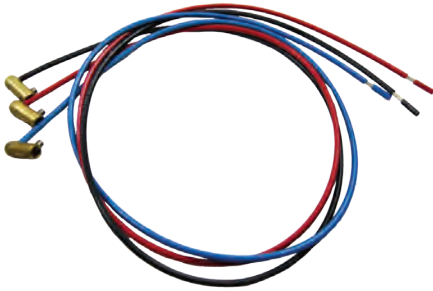
## EASY TO USE COPELAND REPLACEMENT KIT!

### Features

- Includes suction and discharge tube that will match up to most CR reciprocating or ZR scroll compressors.
- Eliminates the need to bend copper tubing on a jobsite.
- Includes a wiring harness that will plug directly onto the quick connect terminal plug on Bristol compressor.
- Kits include three 36 inch wires labeled Common, Start, and Run, reducing the possibility of mis-wiring the compressor.

Item ID	Application	For Use With	Includes
<b>Bristol</b>			
344062	Re-piping of Bristol models H2E, H29B and H22J in place of <b>Copeland CR models</b>	Air conditioning compressor installations	Copper tubing and wiring harness
344063	Re-piping of Bristol models H2E, H29B and H22J in place of <b>Copeland Scroll models</b>	Air conditioning compressor installations	Copper tubing and wiring harness

## Three Wire Compressor Terminal Repair Kits



### Features

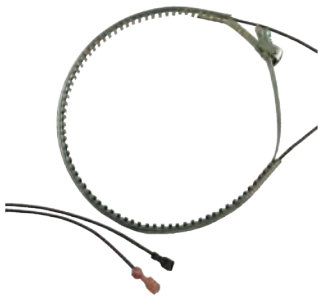
The Term-Lok Kit was designed for the repair of burned or damaged spade terminals or for non burned terminals to prevent future burn off. They are made of high quality, heat sensed brass and are guaranteed for the life of the compressor.

### Includes:

- Brass cylindrical tube with a diameter large enough to slip over the pins
- Stainless set screw to lock onto the terminal
- Wrench for easy installation
- Anti-arcing spacer to prevent arcing between posts.
- Will never crack, break or burn off
- Provides four full points of contact on the new terminal

Item ID	Gauge	Services
<b>Term-LOK</b>		
TLC38	8	5 ton units and above
TLC310	10	3 - 5 ton units
TLC312	12	1 - 3 ton units

## Tutco Crankcase Heaters



### Features

- High temperature silicone rubber element and VW-1 insulated lead wires rated for 150°C
- Wattage for each model matches compressor requirements
- Nominal power consumption due to highly efficient heat transmission and low wattage
- Voltage ratings through 600 VAC
- Corrosion resistant exterior
- Completely moisture-proof
- Quick and easy installation
- UL recognized
- Custom leads and terminations available

Item ID	Volts	Watts	Girth Dimensions		Shape
			Min	Max	
<b>Tutco</b>					
CH197240	120	25	13 13/16	21	Round
CH19740	240	25	13 13/16	21	Round
CH1982	120	35	16 13/16	24	Oval
CH135240	120	40	23 7/16	27 1/2	Oval
CH13540	240	40	23 7/16	27 1/2	Oval
CH196	240	40	19 15/16	27 1/8	Round
CH205	240	40	21 3/16	24 3/8	Round
CH2057	460	40	21 3/16	24 3/8	Round
CH1963	480	40	19 15/16	27 1/8	Round
CH103240	120	45	24 13/16	32	Oval
CH10340	240	45	24 13/16	32	Oval
CH184	240	45	13 13/16	21	Round
CH105240	120	50	31 13/16	39	Round
CH105140	208	50	31 13/16	39	Round
CH10540	240	50	31 13/16	39	Round
CH105340	480	50	31 13/16	39	Round
CH101240	120	54	27 7/16	39 5/8	Oval
CH101140	208	54	27 7/16	39 5/8	Oval
CH10140	240	54	27 7/16	39 5/8	Oval
CH101340	480	54	27 7/16	39 5/8	Oval
CH102140	208	60	25 13/16	33	Oval
CH10240	240	60	25 13/16	33	Oval
CH1677	460	65	31 13/16	38	Round
CH2127	460	67	32 13/16	35 1/2	Round

Item ID	Volts	Watts	Girth Dimensions		Shape
			Min	Max	
<b>Tutco</b>					
CH1672	120	70	34 1/4	41 5/8	Round
CH2022	120	70	33 9/16	37 3/8	Round
CH2802	120	70	28	20 13/16	Round
CH202	240	70	33 9/16	37 3/8	Round
CH230	240	70	21 13/16	29	Round
CH280	240	70	28	20 13/16	Round
CH2023	480	70	33 9/16	37 3/8	Round
CH2303	480	70	21 13/16	29	Round
CH2803	480	70	28	20 13/16	Round
CH2306	575	70	21 13/16	29	Round
CH10440	240	75	41 9/16	48 3/4	Round
CH104340	480	75	41 9/16	48 3/4	Round
CH1767	460	92	32 13/16	35 1/2	Round
CH2552	120	100	35 1/16	28 5/16	Round
CH147	240	100	32 13/16	35 1/2	Round
CH255	240	100	35 1/16	28 5/16	Round
CH1477	460	100	32 13/16	35 1/2	Round
CH2707	460	100	36	43 3/8	Round
CH2727	460	100	38	30 13/16	Round
CH2553	480	100	35 1/16	28 5/16	Round
CH2832	100	120	38 1/8	45 1/2	Round
CH2822	150	120	38 1/8	45 1/2	Round
CH2557	90	460	27 3/4	35 1/8	Round

## Bristol "G" Series Rotalock Adapters



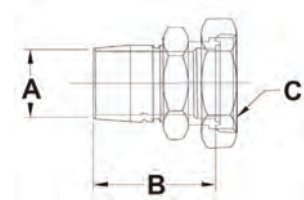
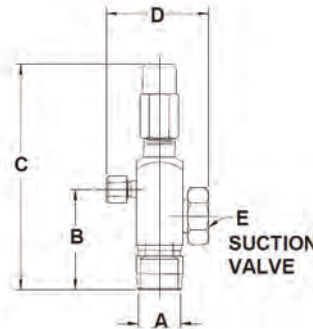
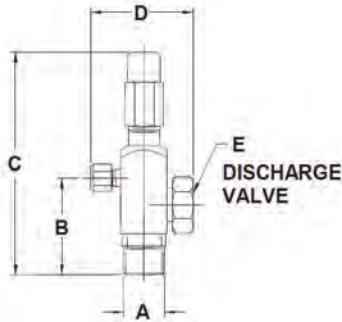
344029  
344035



344030  
344033  
344034



344031



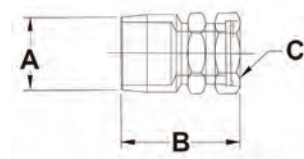
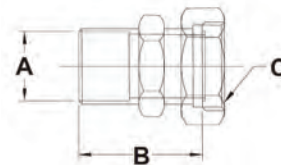
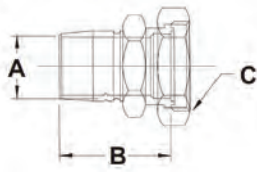
344032



344036



344039



### Applications:

- Adaptor valve used to change from rotalock to brazed connection

Item ID	Description	Includes	A	B	C	D	E	Replace Bristol
<b>Bristol</b>								
344030	Suction Valve	Teflon seal	1 1/8	3	7 3/16	2 1/2	1 3/4-12 UNF	250508
344033	Suction Valve	Teflon seal	1 3/8	3 5/16	7 3/16	2 1/2	1 3/4-12 UNF	250525
344034	Suction Valve	Teflon seal	1 5/8	3 1/2	7 3/16	2 1/2	1 3/4-12 UNF	250526
344036	Suction Adapter Straight	Teflon seal	1 3/8	2 1/2	1 3/4-12 UNF	—	—	250529
344032	Suction Adapter Straight	Teflon seal	1 1/8	2 3/16	1 3/4-12 UNF	—	—	250510
344029	Discharge Valve	Teflon seal	7/8	2 11/32	5 11/32	2 1/64	1 1/4-12 UNF	250507
344035	Discharge Valve	Teflon seal	1 1/8	19/32	5 11/32	2 5/32	1 1/4-12 UNF	250527
344031	Discharge Adapter Straight	Teflon seal	7/8	1 23/32	1 1/4-12 UNF	—	—	250509
344039	Discharge Adapter Straight	Teflon seal	1 1/8	2	1 1/4-12 UNF	—	—	250534

### Notes:

Compressors with sweat fittings or brazed fittings cannot be adapted to rotalocks.

## Mounting Hardware - Cush-A-Clamp



### Features

- Tube Sizes: 1/4" to 6-1/8" ; Pipe Sizes: 1/4" to 6"
- Channel mounted clamping systems ideal for multiple line runs, for absorbing shock and vibration, reducing unwanted noise and preventing galvanic corrosion.
- The clamp features a unique shoulder stud which is securely fashioned to one clamp half. This "Controlled Squeeze" design eliminates over-tightening and rotation while a nylon insert nut assures a positive lock. Clamps are available in steel (with electrochromate finish), and stainless steel. Fits any standard 1-5/8" wide channel.
- The cushion is manufactured from a thermoplastic elastomer, it's built tough to withstand the effects of most oils, chemicals and industrial cleaning compounds, in temperatures from -50°F to 275°F. A patented "Living Hinge" allows the cushion to be spread apart for quick, easy installation on sizes from 1/4" through 1-3/4". Interlock edges and channel locator legs ensure that the cushion remains in place.
- Installation: One man, one tool time savings. Retrofits can be added without disassembling your present system.

Item ID	Size	Material
<b>ZSI Cush-A-Clamp Zinc Plated</b>		
004T008	1/4" Tube OD	Zinc Plated Anti-Vibration
006T010	3/8" Tube OD	Zinc Plated Anti-Vibration
008T012	1/2" Tube OD	Zinc Plated Anti-Vibration
009N012	1/4" Pipe	Zinc Plated Anti-Vibration
010T014	5/8" Tube OD	Zinc Plated Anti-Vibration
011N014	3/8" Pipe	Zinc Plated Anti-Vibration
012T016	3/4" Tube OD	Zinc Plated Anti-Vibration
014N018	1/2" Pipe	Zinc Plated Anti-Vibration
014T018	7/8" Tube OD	Zinc Plated Anti-Vibration
016T020	1" Tube OD	Zinc Plated Anti-Vibration
017N022	3/4" Pipe	Zinc Plated Anti-Vibration
018T022	1 1/8" Tube OD	Zinc Plated Anti-Vibration
020T024	1 1/4" Tube OD	Zinc Plated Anti-Vibration
021N026	1" Pipe	Zinc Plated Anti-Vibration
022T026	1 3/8" Tube OD	Zinc Plated Anti-Vibration
024N028	1 1/2" Tube OD	Zinc Plated Anti-Vibration
026N030	1 5/8" Tube OD	Zinc Plated Anti-Vibration
027N032	1 1/4" Pipe	Zinc Plated Anti-Vibration
028N032	1 3/4" Tube OD	Zinc Plated Anti-Vibration
030N034	1 7/8" Tube OD	Zinc Plated Anti-Vibration
032N036	2" Tube OD	Zinc Plated Anti-Vibration
034N040	2 1/8" Tube OD	Zinc Plated Anti-Vibration
038N042	2 1/4" Tube OD	Zinc Plated Anti-Vibration
038N044	2 3/8" Tube OD 2" Pipe	Zinc Plated Anti-Vibration
040N046	2 1/2" Tube OD	Zinc Plated Anti-Vibration
042N048	2 5/8" Tube OD	Zinc Plated Anti-Vibration
046N052	2 7/8" Tube OD	Zinc Plated Anti-Vibration
050N054	3" Tube OD	Zinc Plated Anti-Vibration
050N056	3 1/8" Tube OD	Zinc Plated Anti-Vibration
053N060	3 5/16" Tube OD	Zinc Plated Anti-Vibration
056N062	3 1/2" Tube OD 3" Pipe	Zinc Plated Anti-Vibration
058N064	3 5/8" Tube OD	Zinc Plated Anti-Vibration
064N072	4" Tube OD 3 1/2" Pipe	Zinc Plated Anti-Vibration
066N074	4 1/8" Tube OD	Zinc Plated Anti-Vibration
069N076	4 5/16" Tube OD	Zinc Plated Anti-Vibration
072N080	4 1/2" Tube OD 4" Pipe	Zinc Plated Anti-Vibration
082N090	5 1/8" Tube OD	Zinc Plated Anti-Vibration
089N096	5" Pipe	Zinc Plated Anti-Vibration
096N106	6" Tube OD	Zinc Plated Anti-Vibration
098N106	6 1/8" Tube OD	Zinc Plated Anti-Vibration
106N144	6" Pipe	Zinc Plated Anti-Vibration

Item ID	Size	Material
<b>ZSI Cush-A-Clamp Stainless Steel</b>		
004NS008	1/4" Tube OD	Stainless Steel Anti-Vibration
006NS010	3/8" Tube OD	Stainless Steel Anti-Vibration
008NS012	1/2" Tube OD	Stainless Steel Anti-Vibration
009NS012	1/4" Pipe	Stainless Steel Anti-Vibration
010NS014	5/8" Tube OD	Stainless Steel Anti-Vibration
011NS014	3/8" Pipe	Stainless Steel Anti-Vibration
012NS016	3/4" Tube OD	Stainless Steel Anti-Vibration
014NS018	7/8" Tube OD	Stainless Steel Anti-Vibration
016NS020	1" Tube OD	Stainless Steel Anti-Vibration
017NS022	3/4" Pipe	Stainless Steel Anti-Vibration
018NS022	1 1/8" Tube OD	Stainless Steel Anti-Vibration
020NS024	1 1/4" Tube OD	Stainless Steel Anti-Vibration
021NS026	1" Pipe	Stainless Steel Anti-Vibration
022NS026	1 3/8" Tube OD	Stainless Steel Anti-Vibration
024NS028	1 1/2" Tube OD	Stainless Steel Anti-Vibration
026NS030	1 5/8" Tube OD	Stainless Steel Anti-Vibration
027NS032	1 1/4" Pipe	Stainless Steel Anti-Vibration
028NS032	1 3/4" Tube OD	Stainless Steel Anti-Vibration
030NS034	1 7/8" Tube OD	Stainless Steel Anti-Vibration
032NS036	2" Tube OD	Stainless Steel Anti-Vibration
034NS040	2 1/8" Tube OD	Stainless Steel Anti-Vibration
038NS044	2 3/8" Tube OD	Stainless Steel Anti-Vibration
040NS046	2 1/2" Tube OD	Stainless Steel Anti-Vibration
042NS048	2 5/8" Tube OD	Stainless Steel Anti-Vibration
046NS052	2 7/8" Tube OD	Stainless Steel Anti-Vibration
050NS054	3" Tube OD	Stainless Steel Anti-Vibration
050NS056	3 1/8" Tube OD	Stainless Steel Anti-Vibration
056NS062	3 1/2" Tube OD	Stainless Steel Anti-Vibration
058NS064	3 5/8" Tube OD	Stainless Steel Anti-Vibration
064NS072	4" Tube OD	Stainless Steel Anti-Vibration
066NS074	4 1/8" Tube OD	Stainless Steel Anti-Vibration
072NS080	4 1/2" Tube OD	Stainless Steel Anti-Vibration
082NS090	5 1/8" Tube OD	Stainless Steel Anti-Vibration
089NS096	5" Pipe	Stainless Steel Anti-Vibration
098NS106	6 1/8" Tube OD	Stainless Steel Anti-Vibration
106NS114	6" Pipe	Stainless Steel Anti-Vibration

## Mounting Hardware - Cush-A-Click



### Features

- The Cush-A-Click offers great advantage by retaining an unbroken vapor barrier seal, eliminating the problem of sweating on metal fittings. The Cush-A-Click is ideal for the installation of refrigeration systems allowing the barrier seal to run the length of the pipe work without cutting the insulation material. The Cush-A-Click quickly secures both the pipe and the insulation
- Time and labor savings
- Simple, secure installation of refrigeration and plumbing pipe work
- Corrosion resistance
- Light weight

Item ID	Clamping Range
<b>ZSI Cush-A-Click Polyamide Alloy</b>	
CC12	3/4"
CC14	7/8"
CC16	1"
CC18	1 1/8"
CC20	1 1/4"
CC22	1 3/8"
CC24	1 1/2"
CC26	1 5/8"
CC32	2"
CC34	2 1/8"



## Mounting Hardware - Cush-A-Therm™



### Features

- The Cush-A-Therm™ Clamp is a fast easy way to provide a crush-resistant airtight seal for chilled refrigeration or mechanical pipe-lines that require continuous insulation. The rigid foam construction has an insulating tape inner lining which supports tube and absorbs vibration of operating pipelines. The outer cover consists of a special rubber coating which seals the cushion completely after installation in order to prevent condensation. Its strong closed-cell structure is ideal for liquid cooling lines to prevent condensation and save energy.
- Maintains thermal barrier protection
- Prevents condensation
- Properly supports pipe and tube
- Absorbs vibration
- Polyurethane foam laminated with a rubber lining
- Temperature range: -70°F to +220°F
- Comes complete with cushion and clamp

Item ID	Insulation Thickness (In.)	Pipe O.D.
<b>ZSI Cush-A-Therm</b>		
UX3834	3/4	3/8
UX1234	3/4	1/2
UX5834	3/4	5/8
UX3434	3/4	3/4
UX7834	3/4	7/8
UX11834	3/4	1 1/8
UX13834	3/4	1 3/8
UX15834	3/4	1 5/8
UX21834	3/4	2 1/8
UX23834	3/4	2 3/8
UX25834	3/4	2 5/8
UX31834	3/4	3 1/8
UX35834	3/4	3 5/8
UX41834	3/4	4 1/8
UX5810	1	5/8
UX3410	1	3/4
UX7810	1	7/8
UX11810	1	1 1/8
UX13810	1	1 3/8
UX15810	1	1 5/8
UX21810	1	2 1/8
UX23810	1	2 3/8
UX25810	1	2 5/8
UX31810	1	3 1/8
UX41810	1	4 1/8

## Mounting Hardware - Cush-A-Grip



### Features

- Accommodates 10 sizes of tube
- Accommodates 5 sizes of pipe
- Diameters from .25" to 1.31"
- Metric sizes from 6mm to 32mm
- Hex machine screw
- Captured nylon lock nut

Item ID	Description
<b>ZSI Cush-A-Grip</b>	
CG10	1/4" TO 1/2" T, 1/4" P MULTI-SIZE CLAMP 10PAK
CG20	5/8" TO 7/8" T, 3/8"-1/2" P MULTI-SIZE CLAMP 10PAK
CG30	7/8" TO 1-1/8" T, 3/4" P MULTI-SIZE CLAMP 10PAK
CG40	1" TO 1-1/4" T, 3/4" - 1" P MULTI-SIZE CLAMP 10PAK



## Mounting Hardware - Cush-A-Claw™



### Features

- The Cush-A-Claw™ grabs on to your tube, pipe, or hose and holds it in place. The unique one piece patented design allows for quick, simple, and easy installation. It will not rust.
- Quick, simple, and easy snap-in installation of tube, pipe, or hose, saves time and money
- For strut mount, sure grip strut base easily rotates into strut.
- Non conducting
- Temp range: -50° to 275° F
- Works great indoors or outdoors
- Designed for light duty loads and applications
- Prevents galvanic corrosion of dissimilar metals
- An excellent alternative to steel, stainless steel, or galvanized clamps

Item ID	Description	
<b>ZSI Cush-A-Claw Strut Mount</b>		
CL06	3/8"	O.D. Tube thermoplastic
CL08	1/2"	O.D. Tube thermoplastic
CL10	5/8"	O.D. Tube thermoplastic
CL12	3/4"	O.D. Tube thermoplastic
CL14	7/8"	O.D. Tube thermoplastic
CL18	1 1/8"	O.D. Tube thermoplastic
EMT1	1"	EMT Conduit thermoplastic
EMT12	1/2"	EMT Conduit thermoplastic
EMT34	3/4"	EMT Conduit thermoplastic
<b>ZSI Cush-A-Claw Surface Mount</b>		
CLS04	1/4"	O.D. Tube thermoplastic
CLS06	3/8"	O.D. Tube thermoplastic
CLS08	1/2"	O.D. Tube thermoplastic
CLS10	3/4"	O.D. Tube thermoplastic
CLS12	3/4"	O.D. Tube thermoplastic
CLS14	7/8"	O.D. Tube thermoplastic
CLS18	1 1/8"	O.D. Tube thermoplastic
EMTS34	3/4"	EMT Conduit thermoplastic

## Mounting Hardware - Cush-A-Clip



Item ID	Tube Size
<b>ZSI Cush-A-Clip</b>	
RPC38	3/8" OD.
RPC12	1/2" OD.
RPC58	5/8" OD.
RPC34	3/4" OD.
RPC78	7/8" OD.
RPC118	1 1/8" OD.

### Features

- A simple, economical, lightweight hanger for supporting tubing
- Manufactured from black nylon
- Sizes from 3/8" to 1-1/8"
- One piece design makes installation a snap!
- No nuts to tighten, no parts to loosen!
- Temperatures from -40°F to 275°F
- Secure but non-tightening design allows for expansion, greatly reducing joint fractures

## Mounting Hardware - Quick-Clip



Item ID	Clamping Range - No Insulation
<b>ZSI Quick-Clip</b>	
QC12	3/4"
QC14	7/8"
QC16	1"
QC18	1 1/8"
QC20	1 1/4"
QC22	1 3/8"
QC24	1 1/2"
QC26	1 5/8"
QC32	2"
QC34	2 1/8"

### Features

- The Quick-Clip is a unique one-piece design manufactured from a composite polyamide alloy combining strength with light weight. It will overcome the problems of using cable ties for piping, electrical, optical and network cabling.
- Quick Clip locates easily on 3/8" rod
- No breaks in insulation material
- Fast and easy installation, saves time and money
- Single handed installation
- Manufactured from a composite polyamide, tested from -40°F to +275°F. It combines strength with light weight
- Ideal for network cables
- Studding panel inserts

## Two Wire Electro-mechanical Voltage Sensing Relay



### Features

- Potential relay and start capacitor for compressor hard start applications
- More reliable than PTC type hard starts
- Two wire connection
- For use with Hermetic or Scroll compressors
- Quick connect terminals
- Bleed down resistor to safely discharge the capacitor



Item ID	Capacitor Size (µF)	HP Rating	Compressor	Pick-Up Voltage (VAC)	Maximum Coil Voltage (VAC)	Replaces
<b>TorQstart</b>						
TQS1	189-227	1 1/2 thru. 3 1/2	Recip and Scroll	239-268	502	TO-5 SK3W3
TQS2	270-324	3 1/2 thru. 6	Recip and Scroll	280-315	502	KS1 SK3W6S

## Hard Start Kits And All In One Hard Start Packs



### Standard Relay and Hard Start Capacitor



### All Purpose Hard Start Pack



### Features

- Increases compressor starting torque for faster recycling
- For all permanent split capacitor, single phase air conditioning and heat pump systems
- Wired with "Piggy-Back" terminals for easy installation on run capacitors
- Designed for 115 volt thru 277 volt systems
- Mounts easily with either screw or clip

### Features

- Combination relay, overload and capacitor
- Pre-wired for easy installation
- Extra long compressor leads for mounting flexibility
- All models adapt to 115 volt compressors with external overload protector
- PTC for capillary or fixed restrictor systems

Item ID	Operating Voltage (VAC)	Recommended range (HP)	Increase in Torque (%)	Replaces	Item ID	Compressor Sizes	Volts	Replaces
<b>TorQstart</b>					<b>TorQstart</b>			
TQS5	115-277	1/2 to 10	300%	32701 600-057 SPP5	TQS21	1/2 HP	115	600-210 RCO210
TQS6	115-277	1/2 to 10	500%	32702 600-052 SPP6	TQS41	1/4 and 1/3 HP	115	600-410 RCO410
TQS8	115-277	1/2 to 10	600%	32708 SPP7S	TQS81	1/12 thru 1/5 HP	115	600-810 RCO810





# BECAUSE THE NEXT **JOB** IS WAITING.

## LESS TIME SEARCHING, MORE TIME WORKING.

Time is money. When your schedule is booked, you often need to rely on the availability of your parts to get you to your next job quickly. Meet TitanFlex<sup>®</sup> - a multi-rated capacitor designed for the way you work.

Featuring a range of the most popular ratings up to 440 volts, TitanFlex<sup>®</sup> provides the ultimate convenience in a lightweight, easy to install capacitor.

- Capacitance Range: 2.5 - 67.5 mfd.
- 70° C max rated temperature
- 440/370 dual voltage

**FLEX**ibility for the way you work.

[www.packardonline.com](http://www.packardonline.com)  
Item ID: TitanFlex

a solution from

  
**Packard**  
Supplying HVACR solutions with your needs in mind.

## TITAN PRO® Motor Run Capacitors



# TITAN PRO®

### Why Go PRO ?

OUR ENTIRE PRO LINE HAS UP TO **83%** LONGER OPERATIONAL LIFE THAN A STANDARD MOTOR RUN CAPACITOR AND COMPLIES WITH THE EIA-456A INDUSTRY STANDARD FOR ENDURANCE.

### 440/370 volt

Reduce your inventory costs with a Dual Voltage capacitor

Scan to learn more



### Oval

Item ID	MFD	Depth (In.)	Width (In.)	Height (In.)	Industry Nos.	
<b>Titan Pro 440/370 Volt - Single Section</b>						
TOCF2	2	1.24	2.03	2.17	12026	12002
TOCF2.5	2.5	1.24	2.03	2.17	12019	—
TOCF3	3	1.24	2.03	2.17	12027	12003
TOCF4	4	1.24	2.03	1.50	12028	12004
TOCF5	5	1.24	2.03	2.17	12029	12005
TOCF6	6	1.24	2.03	2.52	12030	12006
TOCF7.5	7.5	1.24	2.03	2.17	12031	12007
TOCF10	10	1.24	2.03	2.56	12032	12008
TOCF12.5	12.5	1.24	2.03	2.95	12033	12009
TOCF15	15	1.24	2.03	2.95	12034	12010
TOCF17.5	17.5	1.24	2.03	3.74	12036	12012
TOCF20	20	1.77	2.80	2.68	12037	12014
TOCF25	25	1.77	2.80	3.07	12040	12015
TOCF30	30	1.77	2.80	3.46	12041	12017
TOCF35	35	1.77	2.80	3.86	12043	12018
TOCF40	40	1.77	2.80	4.06	12045	12021
TOCF45	45	1.77	2.80	4.45	12048	12023
TOCF50	50	1.77	2.80	4.84	12049	12025
TOCF55	55	1.77	2.80	5.04	12050	12024
TOCF60	60	1.87	3.54	3.23	12051	12087
TOCF65	65	1.87	3.54	3.98	—	—

### Titan Pro 480 Volt - Single Section

TOCF25A	25	1.77	2.80	3.66	—	—
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### Titan Pro 440/370 Volt - Dual Section

TOCFD154	15+4	1.77	2.80	2.36	12270	12056
TOCFD155	15+5	1.77	2.80	2.36	12271	12057
TOCFD2015	20+15	1.77	2.80	3.86	12083	12164
TOCFD255	25+5	1.77	2.80	3.46	12184	12066
TOCFD2575	25+7.5	1.77	2.80	3.46	12182	12143
TOCFD2510	25+10	1.77	2.80	3.86	12183	12167
TOCFD304	30+4	1.77	2.80	3.86	12181	12145
TOCFD305	30+5	1.77	2.80	3.86	12187	12069
TOCFD3075	30+7.5	1.77	2.80	3.86	12038	12146
TOCFD353	35+3	1.77	2.80	4.25	12085	12148
TOCFD354	35+4	1.77	2.80	4.25	12179	12071
TOCFD355	35+5	1.77	2.80	4.25	12185	12072
TOCFD3575	35+7.5	1.77	2.80	4.25	12188	12149
TOCFD405	40+5	1.77	2.80	4.17	12086	12171
TOCFD4075	40+7.5	1.87	3.54	3.78	12189	12152
TOCFD455	45+5	1.77	2.80	5.04	12190	12174
TOCFD505	50+5	1.87	3.54	4.37	12108	12138
TOCFD555	55+5	1.87	3.54	4.57	12275	12154
TOCFD5510	55+10	1.87	3.54	5.16	12276	—
TOCFD605	60+5	1.87	3.54	5.55	12109	12139

#### Notes:

- Height dimension does not include terminals. Add 3/4" for terminals.
- Please call when dimensions are critical.



### Round

Item ID	MFD	Diameter (In.)	Height (In.)	Industry Nos.	
<b>Titan Pro 440/370 Volt - Single Section</b>					
TRCF3	3	1.77	2.17	12103	12803
TRCF5	5	1.77	2.17	12105	12095
TRCF7.5	7.5	1.77	2.17	12107	12097
TRCF10	10	1.77	2.17	12232	12098
TRCF12.5	12.5	1.77	2.17	12233	12099
TRCF15	15	1.77	2.56	12234	12210
TRCF17.5	17.5	1.77	2.76	12236	12212
TRCF20	20	1.77	2.95	12237	12214
TRCF25	25	1.97	2.95	12240	12215
TRCF30	30	1.97	3.35	12241	12217
TRCF35	35	1.97	3.54	12243	12218
TRCF40	40	1.97	3.94	12245	12221
TRCF45	45	1.97	4.33	12248	12223
TRCF50	50	1.97	4.72	12251	12225
TRCF55	55	1.97	4.92	12252	12226
TRCF60	60	2.17	4.53	12254	12227
TRCF70	70	2.48	3.78	12258	12229
TRCF80	80	2.50	4.72	12259	12199
TRCF100	100	2.50	5.31	—	—

### Titan Pro 440/370 Volt - Dual Section

TRCFD205	20+5	1.97	3.74	12115	12260
TRCFD2015	20+15	1.97	3.94	12112	12209
TRCFD255	25+5	1.97	3.54	12278	12261
TRCFD2575	25+7.5	1.97	3.74	12279	12262
TRCFD2515	25+15	1.97	4.33	12114	—
TRCFD303	30+3	1.97	4.33	12126	12244
TRCFD305	30+5	1.97	3.94	12281	12264
TRCFD3075	30+7.5	1.97	4.13	12282	12224
TRCFD353	35+3	2.50	3.74	12077	12082
TRCFD354	35+4	1.97	4.53	12070	12231
TRCFD355	35+5	1.97	4.13	12283	12266
TRCFD3575	35+7.5	2.36	3.54	12284	12235
TRCFD403	40+3	2.50	3.74	12078	12074
TRCFD405	40+5	2.36	3.54	12286	12178
TRCFD4075	40+7.5	2.50	3.74	12287	12268
TRCFD453	45+3	2.50	3.74	12079	12073
TRCFD455	45+5	2.50	3.74	12288	12269
TRCFD4575	45+7.5	2.50	3.74	12289	12249
TRCFD505	50+5	2.50	3.94	12290	12191
TRCFD5075	50+7.5	2.50	3.94	12291	12192
TRCFD555	55+5	2.50	4.13	12292	12193
TRCFD5575	55+7.5	2.36	4.33	12293	12194
TRCFD603	60+3	2.50	4.33	12160	—
TRCFD605	60+5	2.36	4.33	12294	12195
TRCFD6075	60+7.5	2.36	4.53	12295	12196
TRCFD6010	60+10	2.50	4.53	12296	12265
TRCFD705	70+5	2.50	4.92	12255	12053
TRCFD7075	70+7.5	2.50	4.92	12166	12054
TRCFD805	80+5	2.50	5.31	12257	12197
TRCFD8075	80+7.5	2.50	5.12	12216	12198
TRCFD8010	80+10	2.50	5.31	12117	12201

## TITAN PRO 370® Motor Run Capacitors

**TITAN PRO 370®** 370 volt offers best value in class

### PRO - series: Features & Benefits

- RELIABLE.** Tested to 60,000 hours
- COMPLIANT.** Built to EIA-456A industry standard for endurance
- CERTIFIED.** Meets UL 810 safety standards
- TESTED.** 100% electrical testing
- ROBUST.** Heat tolerant, high-grade metallized polypropylene film and proprietary Epoxidized Soybean Oil (ESO)



#### Oval

Item ID	MFD	Depth (In.)	Width (In.)	Height (In.)	Industry No
<b>Titan Pro 370 Volt - Single Section</b>					
TOC2	2	1.24	2.03	2.17	12902
TOC3	3	1.24	2.03	2.17	12903
TOC4	4	1.24	2.03	2.17	12904
TOC5	5	1.24	2.03	2.17	12905
TOC5B*	5	1.24	2.03	2.17	12905
TOC6	6	1.24	2.03	2.17	12906
TOC7.5	7.5	1.24	2.03	2.17	12907
TOC7.5B*	7.5	1.24	2.03	2.17	12907
TOC10	10	1.24	2.03	2.56	12908
TOC10B*	10	1.24	2.03	2.56	12908
TOC12.5	12.5	1.24	2.03	2.95	12909
TOC15	15	1.24	2.03	2.95	12910
TOC17.5	17.5	1.24	2.03	3.35	12912
TOC20	20	1.77	2.80	2.68	12914
TOC25	25	1.77	2.80	2.68	12915
TOC30	30	1.77	2.80	2.87	12917
TOC35	35	1.77	2.80	3.27	12918
TOC40	40	1.77	2.80	3.46	12921
TOC45	45	1.77	2.80	3.66	12923
TOC50	50	1.77	2.80	3.86	12925
TOC55	55	1.87	3.54	2.99	12924
TOC60	60	1.77	2.80	4.45	12987
TOC70	70	1.87	3.54	3.39	12989
TOC80	80	1.87	3.54	3.78	12990
<b>Titan Pro 370 Volt - Dual Section</b>					
TOCD153	15+3	1.77	2.80	2.87	12841
TOCD155	15+5	1.77	2.80	2.68	12957
TOCD255	25+5	1.77	2.80	3.07	12966
TOCD305	30+5	1.77	2.80	3.27	12969
TOCD353	35+3	1.77	2.80	3.46	12848
TOCD355	35+5	1.77	2.80	3.46	12972
TOCD405	40+5	1.77	2.80	9.86	12871
TOCD455	45+5	1.91	2.91	4.25	12874

**Notes:**

- Height dimension does not include terminals. Add 3/4" for terminals.
- Please call when dimensions are critical.
- \* Bulk - in multiples of 100

#### Round

Item ID	MFD	Diameter (In.)	Height (In.)	Industry No
<b>Titan Pro 370 Volt - Single Section</b>				
TRC5	5	1.77	2.17	12995
TRC7.5	7.5	1.77	2.17	12997
TRC10	10	1.77	2.17	12998
TRC12.5	12.5	1.77	2.76	12999
TRC15	15	1.77	2.76	12710
TRC17.5	17.5	1.77	2.36	12712
TRC20	20	1.77	2.95	12714
TRC25	25	1.77	2.95	12715
TRC30	30	1.97	2.76	12717
TRC35	35	1.97	2.95	12718
TRC40	40	1.97	3.35	12721
TRC45	45	1.97	3.54	12723
TRC50	50	1.97	3.74	12725
TRC55	55	1.97	3.94	12726
TRC60	60	1.97	4.33	12727
TRC65	65	1.97	4.33	12128
TRC70	70	2.50	3.74	12729
TRC80	80	1.97	5.31	12899
TRC100	100	2.50	4.33	—
<b>Titan Pro 370 Volt - Dual Section</b>				
TRCD1010	10+10	1.97	2.56	—
TRCD154	15+4	1.97	2.95	12702
TRCD155	15+5	1.97	2.95	12703
TRCD205	20+5	1.97	3.35	12760
TRCD253	25+3	1.97	2.95	12711
TRCD254	25+4	1.97	2.95	12875
TRCD255	25+5	1.97	3.35	12761
TRCD303	30+3	1.97	3.54	12720
TRCD304	30+4	1.97	3.15	12763
TRCD305	30+5	1.97	3.54	12764
TRCD3075	30+7.5	1.97	3.94	12724
TRCD353	35+3	1.97	3.94	12730
TRCD355	35+5	1.97	3.94	12766
TRCD3575	35+7.5	1.97	4.33	12735
TRCD403	40+3	1.97	4.13	12739
TRCD405	40+5	1.97	4.13	12878
TRCD4075	40+7.5	1.97	4.53	12768
TRCD455	45+5	1.97	3.94	12769
TRCD4575	45+7.5	1.97	4.33	12749
TRCD505	50+5	1.97	4.72	12755
TRCD5075	50+7.5	1.97	4.92	—
TRCD5010	50+10	1.97	4.53	12757
TRCD555	55+5	2.50	3.74	12893
TRCD5575	55+7.5	2.50	3.74	12894
TRCD605	60+5	2.50	4.13	12895
TRCD6075	60+7.5	2.50	4.13	12896
TRCD705	70+5	2.50	4.33	—
TRCD7075	70+7.5	2.50	4.33	—
TRCD805	80+5	2.50	4.72	12897
TRCD8075	80+7.5	2.50	4.72	—
TRCD8010	80+10	2.50	4.92	—



## TITAN HD® Oval Motor Run Capacitors

Longevity you can count on; craftsmanship to be proud of.

### Features

- Manufactured to EIA-456A standards
- Up to 60,000 hours operational life
- Aluminum cans filled with soybean based oil
- UL-801 fault current protection
- RoHS compliant
- Approval certifications: UL, cUL, IEC 60252
- MADE IN USA



### Single Section - Oval

Item ID	MFD	Can Size
<b>Titan HD 370 Volt</b>		
POC2A	2	2
POC3A	3	1
POC4A	4	1
POC5A	5	1
POC6A	6	1
POC7.5A	7.5	1
POC10A	10	2
POC12.5A	12.5	2
POC15A	15	3
POC17.5A	17.5	3
POC20A	20	3
POC25A	25	3
POC30A	30	3
POC35A	35	3
POC40A	40	3
POC45A	45	3
POC50A	50	13
POC55A	55	13
POC60A	60	13
POC70A	70	13
POC80A	80	13

Item ID	MFD	Can Size
<b>Titan HD 440/370 Volt</b>		
POCF2A	2	1
POCF2.5A	2.5	1
POCF3A	3	1
POCF4A	4	1
POCF5A	5	1
POCF6A	6	1
POCF7.5A	7.5	2
POCF10A	10	3
POCF12.5A	12.5	3
POCF15A	15	3
POCF17.5A	17.5	3
POCF20A	20	3
POCF25B	25	3
POCF30A	30	4
POCF35A	35	4
POCF40A	40	13
POCF45A	45	13
POCF50A	50	13
POCF55A	55	13
POCF60A	60	14
POCF70A	70	14
POCF80A	80	14

### Dual Section - Oval

Item ID	MFD	Can Size
<b>Titan HD 370 Volt</b>		
POCD153A	15+3	12
POCD154A	15+4	12
POCD155A	15+5	12
POCD1510A	15+10	5
POCD1755A	17.5+5	12
POCD203A	20+3	5
POCD204A	20+4	12
POCD205A	20+5	12
POCD2010A	20+10	12
POCD2015A	20+15	7
POCD253A	25+3	12
POCD254A	25+4	6
POCD255A	25+5	12
POCD2575A	25+7.5	12
POCD258A	25+8	8
POCD2510A	25+10	12
POCD2515A	25+15	8
POCD303A	30+3	13
POCD305A	30+5	13
POCD3075A	30+7.5	8
POCD3010A	30+10	13
POCD353A	35+3	8
POCD354A	35+4	13
POCD355A	35+5	13
POCD3575A	35+7.5	13
POCD3510A	35+10	13
POCD403A	40+3	9
POCD404A	40+4	9
POCD405A	40+5	13
POCD4075A	40+7.5	13
POCD4010A	40+10	13
POCD455A	45+5	13
POCD4575A	45+7.5	13
POCD4510A	45+10	13
POCD4515A	45+15	10
POCD505A	50+5	13
POCD555A	55+5	14
POCD5575A	55+7.5	10
POCD605A	60+5	10
POCD6075A	60+7.5	14
POCD6010A	60+10	10

#### Notes:

- Height dimension does not include terminals. Add 1/2" for terminals.
- Please call when dimensions are critical.

Can Size	Depth (In.)	Width (In.)	Height (In.)
<b>Can Dimension</b>			
1	1.25	2.00	1.56
2	1.25	2.00	2.19
3	1.25	2.00	2.88
4	1.25	2.00	3.88
5	1.75	2.75	2.38
6	1.75	2.75	2.75
7	1.75	2.75	3.13
8	1.75	2.75	3.25
9	1.75	2.75	3.75
10	1.75	2.75	4.25
11	1.75	2.75	4.75
12	1.85	2.75	2.38
13	1.85	2.75	2.91
14	1.85	2.75	3.91
15	1.85	2.75	4.75
16	1.85	3.54	4.75

### Dual Section - Oval

Item ID	MFD	Can Size
<b>Titan HD 440/370 Volt</b>		
POCFD105A	10+5	5
POCFD154A	15+4	5
POCFD155A	15+5	12
POCFD1510A	15+10	6
POCFD205A	20+5	12
POCFD2015A	20+15	13
POCFD255A	25+5	13
POCFD2575A	25+7.5	13
POCFD2510A	25+10	13
POCFD2515A	25+15	9
POCFD304A	30+4	13
POCFD305A	30+5	13
POCFD3075A	30+7.5	13
POCFD3010A	30+10	13
POCFD353A	35+3	13
POCFD354A	35+4	10
POCFD355A	35+5	13
POCFD3575A	35+7.5	13
POCFD3510A	35+10	10
POCFD403A	40+3	11
POCFD405A	40+5	14
POCFD4075A	40+7.5	14
POCFD4010A	40+10	14
POCFD455A	45+5	14
POCFD4575A	45+7.5	14
POCFD505A	50+5	15
POCFD5075A	50+7.5	15
POCFD555A	55+5	15
POCFD5510A	55+10	15
POCFD605A	60+5	15
POCFD6510A	65+10	15
POCFD805A	80+5	16
POCFD8075A	80+7.5	16



## TITAN HD<sup>®</sup> Round Motor Run Capacitors



Scan to learn more

Can Size	Diameter (In.)	Height (In.)
<b>Can Dimension</b>		
1	1.75	2.38
2	1.75	2.75
3	1.75	2.84
4	1.75	3.84
5	2	2.75
6	2	2.91
7	2	3.75
8	2	3.84
9	2	4.25
10	2	4.75
11	2	5.25
12	2.5	2.91
13	2.5	3.25
14	2.5	3.75
15	2.5	3.91
16	2.5	4.25
17	2.5	4.75

### Features

- Manufactured to EIA-456A standards
- Up to 60,000 hours operational life
- Aluminum cans filled with soybean based oil
- UL-801 fault current protection
- RoHS compliant
- Approval certifications: UL, cUL, IEC 60252
- MADE IN USA

### Single Section - Round

Item ID	MFD	Can Size
<b>Titan HD 370 Volt</b>		
PRC5A	5	1
PRC7.5A	7.5	1
PRC10A	10	1
PRC12.5A	12.5	1
PRC15A	15	1
PRC17.5A	17.5	2
PRC20A	20	1
PRC25A	25	1
PRC30A	30	1
PRC31.5A	31.5	5
PRC35A	35	3
PRC40A	40	3
PRC45A	45	3
PRC50A	50	4
PRC55A	55	4
PRC60A	60	4
PRC70A	70	11
PRC80A	80	8
PRC100A	100	12
<b>Titan HD 440/370 Volt</b>		
PRCF5A	5	1
PRCF7.5A	7.5	1
PRCF10A	10	1
PRCF12.5A	12.5	1
PRCF15A	15	1
PRCF17.5A	17.5	1
PRCF20A	20	1
PRCF25A	25	3
PRCF30A	30	3
PRCF35A	35	4
PRCF40A	40	4
PRCF45A	45	4
PRCF50A	50	8
PRCF55A	55	8
PRCF60A	60	8
PRCF65A	65	10
PRCF70A	70	10
PRCF80A	80	10
PRCF90A	90	15

### Dual Section - Round

Item ID	MFD	Can Size
<b>Titan HD 370 Volt</b>		
PRCD253A	25+3	6
PRCD254A	25+4	6
PRCD255A	25+5	6
PRCD303A	30+3	6
PRCD304A	30+4	6
PRCD305A	30+5	6
PRCD3075A	30+7.5	6
PRCD3010A	30+10	6
PRCD353A	35+3	6
PRCD354A	35+4	6
PRCD355A	35+5	6
PRCD3575A	35+7.5	6
PRCD3510A	35+10	6
PRCD403A	40+3	6
PRCD404A	40+4	7
PRCD405A	40+5	6
PRCD4075A	40+7.5	6
PRCD4010A	40+10	7
PRCD453A	45+3	6
PRCD455A	45+5	6
PRCD4575A	45+7.5	6
PRCD4510A	45+10	9
PRCD503A	50+3	6
PRCD505A	50+5	6
PRCD5075A	50+7.5	6
PRCD5010A	50+10	6
PRCD555A	55+5	8
PRCD5575A	55+7.5	8
PRCD5510A	55+10	8
PRCD605A	60+5	8
PRCD6075A	60+7.5	8
PRCD6010A	60+10	8
PRCD805A	80+5	12
PRCD8075A	80+7.5	12
PRCD8010A	80+10	14
PRCD80125A	80+12.5	16

### Dual Section - Round

Item ID	MFD	Can Size
<b>Titan HD 440/370 Volt</b>		
PRCFD105A	10+5	5
PRCFD205A	20+5	6
PRCFD2015A	20+15	6
PRCFD253A	25+3	6
PRCFD255A	25+5	6
PRCFD2575A	25+7.5	6
PRCFD2510A	25+10	7
PRCFD2515A	25+15	6
PRCFD303A	30+3	6
PRCFD304A	30+4	6
PRCFD305A	30+5	6
PRCFD3075A	30+7.5	6
PRCFD353A	35+3	8
PRCFD354A	35+4	8
PRCFD355A	35+5	8
PRCFD356A	35+6	8
PRCFD3575A	35+7.5	8
PRCFD3510A	35+10	8
PRCFD403A	40+3	8
PRCFD404A	40+4	13
PRCFD405A	40+5	8
PRCFD406A	40+6	8
PRCFD4075A	40+7.5	8
PRCFD4010A	40+10	8
PRCFD453A	45+3	8
PRCFD455A	45+5	8
PRCFD456A	45+6	14
PRCFD4575A	45+7.5	8
PRCFD4510A	45+10	8
PRCFD505A	50+5	8
PRCFD5075A	50+7.5	8
PRCFD555A	55+5	12
PRCFD5575A	55+7.5	12
PRCFD5510A	55+10	12
PRCFD605A	60+5	12
PRCFD6075A	60+7.5	12
PRCFD6010A	60+10	12
PRCFD60125A	60+12.5	17
PRCFD705A	70+5	15
PRCFD7075A	70+7.5	15
PRCFD7010A	70+10	15
PRCFD805A	80+5	15
PRCFD8075A	80+7.5	15
PRCFD8010A	80+10	15

### Notes:

- Height dimension does not include terminals. Add 1/2" for terminals.
- Please call when dimensions are critical.

## Packard Start Capacitors

Item ID	MFD	Can Size	Industry No.
<b>Packard 110-125 VAC</b>			
PMJ21	21-25	1	11002
PMJ25	25-30	1	11003
PMJ30	30-36	1	11004
PMJ36	36-43	1	11005
PMJ43	43-53	1	11006
PMJ47	47-56	1	
PMJ56	56-75	1	11007
PMJ64	64-77	1	
PMJ72	72-88	1	11008
PMJ88	88-108	1	11009
PMJ108	108-130	1	11010
PMJ124	124-149	1	11112
PMJ130	130-156	1	11112
PMJ145	145-174	1	11013
PMJ161	161-193	1	11014
PMJ189	189-227	1	11015
PMJ200	200-240	1	11016
PMJ216	216-259	1	11017
PMJ216A	216-259	2	11017
PMJ233	233-280	1	10018
PMJ233A	233-280	2	10018
PMJ243	243-292	1	
PMJ243A	243-292	2	
PMJ270	270-324	1	11019
PMJ270A	270-324	2	11019
PMJ295	295-354	1	
PMJ300	300-360	3	11020
PMJ324	324-388	1	11021
PMJ324A	324-388	4	11021
PMJ324B	324-388	2	11021
PMJ340	340-408	2	11022
PMJ340A	340-408	4	11022
PMJ378	378-455	2	11023
PMJ378A	378-455	4	11023
PMJ400	400-480	2	11024
PMJ400A	400-480	4	11024
PMJ430	430-516	2	
PMJ430A	430-516	4	
PMJ430B	430-516	6	
PMJ460	460-552	2	11025
PMJ460A	460-552	4	11025
PMJ460B	460-552	5	11025
PMJ540	540-648	5	11026
PMJ540A	540-648	4	11026
PMJ590	590-708	5	11027
PMJ590A	590-708	4	11027
PMJ645	645-774	5	
PMJ708	708-850	5	11028
PMJ708A	708-850	7	11028
PMJ708B	708-850	4	11028
PMJ800	800-960	4	
PMJ815	815-978	5	
PMJ829	829-995	5	11029
PMJ829A	829-995	7	11029
PMJ850	850-1020	7	
PMJ860	860-1032	4	
PMJ1000	1000-1200	7	11030
PMJ1290	1290-1548	7	

Can Size	Diameter (In.)	Height (In.)
<b>Can Dimension</b>		
1	1 7/16	2 3/4
2	1 7/16	3 3/8
3	1 7/16	4 3/8
4	1 13/16	3 3/8
5	1 13/16	4 3/8
6	2 1/16	3 3/8
7	2 1/16	4 3/8
8	2 9/16	4 3/8

Item ID	MFD	Can Size	Industry No.
<b>Packard 165 VAC</b>			
PSMJ72	72-88	1	
PSMJ88	88-108	1	
PSMJ108	108-130	1	
PSMJ124	124-149	1	11031
PSMJ130	130-156	2	
PSMJ145	145-174	2	11032
PSMJ161	161-193	2	11033
PSMJ189	189-227	2	11034
PSMJ216	216-259	4	
PSMJ233	233-280	4	11035
PSMJ243	243-292	4	
PSMJ270	270-324	4	11036
PSMJ340	340-408	4	
PSMJ378A	378-455	5	
PSMJ400	400-480	4	11037
PSMJ540	540-648	4	
PSMJ710	710-850	6	
PSMJ710A	710-850	7	
PSMJ810A	810-972	7	
<b>Packard 220-250 VAC</b>			
PTMJ21	21-25	1	11038
PTMJ25	25-30	1	11039
PTMJ30	30-36	1	11040
PTMJ36	36-43	1	11041
PTMJ43	43-53	1	11042
PTMJ43A	43-53	2	11042
PTMJ47	47-56	1	
PTMJ53	53-64	2	
PTMJ56	56-64	1	11043
PTMJ56A	56-72	1	11043
PTMJ59	59-71	6	
PTMJ64	64-77	1	
PTMJ64A	64-77	2	
PTMJ72	72-88	4	11044
PTMJ86	86-108	6	
PTMJ88	88-108	4	11045
PTMJ105	105-126	6	
PTMJ108	108-130	4	11046
PTMJ124	124-149	5	11148
PTMJ124A	124-149	4	11148
PTMJ130	130-158	4	
PTMJ130A	130-158	5	
PTMJ145	145-174	4	11049
PTMJ145A	145-174	6	11049
PTMJ161	161-193	6	11050
PTMJ161A	161-193	5	11050
PTMJ189	189-227	6	11051
PTMJ189A	189-227	7	11051
PTMJ216	216-259	6	11052
PTMJ216A	216-259	7	11052
PTMJ233	233-280	6	11053
PTMJ233A	233-280	7	10053
PTMJ243	243-292	6	
PTMJ270	270-324	6	11054
PTMJ270A	270-324	7	11054
PTMJ280	280-336	7	
PTMJ284	284-333	8	
PTMJ320	320-384	7	
PTMJ340	340-408	7	
PTMJ378	378-455	8	
PTMJ400	400-480	7	
PTMJ400A	400-480	8	
PTMJ430	430-516	8	
PTMJ630	630-750	8	

Notes:  
 • Please call when dimensions are critical.  
 • \* With resistor



### Features

- Dry, electrolytic, non polarized capacitors for intermittent duty in AC motor starting circuits.
- Cans are made of moisture and oil resistant molded phenolic resin or plastic.
- Standard dual blade terminals.
- Operating temperature range: -40°C to 65°C (-40°F to 149°F)
- UL and cUL recognized
- Rated 3-second start
- 20 Starts per hour
- 50/60 Hertz

### Helpful Tip



A BLEED RESISTOR SHOULD ALWAYS BE USED ON COMPRESSOR APPLICATIONS TO AVOID RELAY FAILURE OR LOSS OF COMPRESSOR WINDING DUE TO A VOLTAGE SPIKE.  
**SEE PAGE 203**

Item ID	MFD	Can Size	Industry No.
<b>Packard 330 VAC</b>			
PRMJ21	21-25	2	11055
PRMJ25	25-30	2	11056
PRMJ30	30-36	2	11057
PRMJ36	36-43	2	11058
PRMJ43	43-53	4	11059
PRMJ47	47-56	4	
PRMJ56	53-64	4	11060
PRMJ64	64-77	4	
PRMJ72	72-88	4	11061
PRMJ72A	72-88	6	11061
PRMJ88	88-108	6	11062
PRMJ108	108-130	7	11063
PRMJ108A	108-130	6	11063
PRMJ108R	108-130	4	
PRMJ124	124-149	7	11165
PRMJ130	130-158	7	11064
PRMJ135	135-162	7	
PRMJ145	145-174	7	11066
PRMJ145A	145-174	8	11066
PRMJ145R *	145-174	7	11066
PRMJ161	161-193	7	10067
PRMJ189	189-227	7	11068
PRMJ189A	189-227	8	11068
PRMJ216	216-259	8	11069
PRMJ216A	216-259	7	11069
PRMJ243	243-292	6	
PRMJ270	270-324	8	11070
PRMJ270R *	270-324	8	11070
PRMJ300	300-360	8	

## Two Wire Electro-mechanical Voltage Sensing Relay



### Features

- Potential relay and start capacitor for compressor hard start applications
- More reliable than PTC type hard starts
- Two wire connection
- For use with Hermetic or Scroll compressors
- Quick connect terminals
- Bleed down resistor to safely discharge the capacitor



Item ID	Capacitor Size (µF)	HP Rating	Compressor	Pick-Up Voltage (VAC)	Maximum Coil Voltage (VAC)	Replaces
<b>TorQstart</b>						
TQS1	189-227	1 1/2 thru. 3 1/2	Recip and Scroll	239-268	502	TO-5 SK3W3
TQS2	270-324	3 1/2 thru. 6	Recip and Scroll	280-315	502	KS1 SK3W6S

## Hard Start Kits And All In One Hard Start Packs



### Standard Relay and Hard Start Capacitor



### Features

- Increases compressor starting torque for faster recycling
- For all permanent split capacitor, single phase air conditioning and heat pump systems
- Wired with “Piggy-Back” terminals for easy installation on run capacitors
- Designed for 115 volt thru 277 volt systems
- Mounts easily with either screw or clip



### All Purpose Hard Start Pack



### Features

- Combination relay, overload and capacitor
- Pre-wired for easy installation
- Extra long compressor leads for mounting flexibility
- All models adapt to 115 volt compressors with external overload protector
- PTC for capillary or fixed restrictor systems

Item ID	Operating Voltage (VAC)	Recommended range (HP)	Increase in Torque (%)	Replaces	Item ID	Compressor Sizes	Volts	Replaces
<b>TorQstart</b>					<b>TorQstart</b>			
TQS5	115-277	1/2 to 10	300%	32701 600-057 SPP5	TQS21	1/2 HP	115	600-210 RCO210
TQS6	115-277	1/2 to 10	500%	32702 600-052 SPP6	TQS41	1/4 and 1/3 HP	115	600-410 RCO410
TQS8	115-277	1/2 to 10	600%	32708 SPP7S	TQS81	1/12 thru 1/5 HP	115	600-810 RCO810

## Packard Dry AC Motor Run Capacitors



### Features

- Commonly used on motors in fans, pumps and blowers
- Constructed with Self-Healing Dielectric Metalized Polypropylene Film
- 1/4 inch blade quick connect terminals; Metal tab mounting bracket
- Operating temperature range: -40°C to 85°C (-40°F to 185°F)
- Capacitance tolerance: +/-5%
- Protected 10,000 AFC
- Available in 370 and 440 Volt
- 50/60 Hertz
- Plastic ABS case
- UL recognized
- RoHS compliant

Item ID	MFD	VAC	Hertz	Shape	Height (In.)	Length (In.)	Width (In.)	Weight (Lbs)	Terminals	Temp. Range (C)	Construction	For Use With
<b>Packard</b>												
PDC2	2	370	50/60	Rectangle	1.80	0.79	1.50	0.05	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors
PDC3	3	370	50/60	Rectangle	1.80	0.79	1.50	0.06	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors
PDC4	4	370	50/60	Rectangle	2.00	0.94	2.00	0.06	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors
PDC5	5	370	50/60	Rectangle	2.00	0.94	2.00	0.06	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors
PDC7.5	7.5	370	50/60	Rectangle	2.20	1.10	1.92	0.09	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors
PDC8	8	370	50/60	Rectangle	2.20	1.10	1.92	0.09	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors
PDC10	10	370	50/60	Rectangle	2.44	1.25	2.36	0.10	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors
PDC12.5	12.5	370	50/60	Rectangle	2.44	1.25	2.36	0.12	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors
PDC15	15	370	50/60	Rectangle	2.44	1.25	2.36	0.13	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors
PDCF2	2	440	50/60	Rectangle	1.80	0.79	1.50	0.05	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors
PDCF3	3	440	50/60	Rectangle	1.80	0.79	1.50	0.06	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors
PDCF4	4	440	50/60	Rectangle	2.00	0.94	2.00	0.06	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors
PDCF5	5	440	50/60	Rectangle	2.00	0.94	2.00	0.06	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors
PDCF7.5	7.5	440	50/60	Rectangle	2.20	1.10	1.92	0.09	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors
PDCF8	8	440	50/60	Rectangle	2.20	1.10	1.92	0.09	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors
PDCF10	10	440	50/60	Rectangle	2.44	1.25	2.36	0.11	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors
PDCF12.5	12.5	440	50/60	Rectangle	2.44	1.25	2.36	0.12	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors
PDCF15	15	440	50/60	Rectangle	2.44	1.25	2.36	0.14	2 Blade quick connect	-40 to 85	Plastic ABS case	Electric motors

## Magjumper - The Magnetic Jumper



Magjumper



Scan to learn more

### Features

- Ideal for low voltage trouble shooting
- Designed by and for service technicians
- No more popping off terminals
- Great for recessed terminals



Item ID	Description
<b>Packard</b>	
EJMP	Magjumper Mag 1 - Yellow Tip (Shown)
EJMPB	Magjumper Mag 1 - Blue Tip
EJMGP	Magjumper Mag 1 - Green Tip
EJMPP	Magjumper Mag 1 - Red Tip
EJMPPK	Magjumper Mag 1 - Black Tip



## Lighting Capacitors: Oil-Filled And Dry AC Film For HID Lighting Applications



Oil-Filled AC Film

### Applications

- High Intensity Discharge (HID) lighting applications
- Other high voltage ballast applications

### Features - Oil-filled AC Film Capacitor

- Constructed with specially formulated metallized polypropylene film
- Designed to operate in the high temperature environments found in typical HID lighting fixtures
- Endsprayed with zinc
- Manufactured to EIA-456A
- ROHS compliant
- UL and CSA recognized
- Epoxidized Soybean Oil (ESO) filled
- Round and oval metal case
- Capacitance from 10  $\mu\text{f}$  to 35  $\mu\text{f}$
- Voltage ranges from 330 VAC to 525 VAC
- Operating temperature to 90°C

Item ID	MFD	Volts	Hertz	Shape	Diameter (In.)	Height (In.)	Width (In.)	Depth (In.)
<b>Packard Oil-Filled AC Film</b>								
PLCR10400W	10	400	50/60	Round	1.75	2.38	—	—
PLCO10400W	10	400	50/60	Oval	—	2.75	2.5	1.5
PLCO15400W	15	400	50/60	Oval	—	2.75	2.75	1.75
PLCR15400W	15	400	50/60	Round	1.75	2.88	—	—
PLCO24400W	24	400	50/60	Oval	—	3.13	2.75	1.75
PLCR24400W	24	400	50/60	Round	1.75	3.75	—	—
PLCO24480W	24	480	50/60	Oval	—	3.88	2.75	1.75
PLCO26525W	26	525	50/60	Oval	—	4.25	2.75	1.75
PLCO35330W	35	330	50/60	Oval	—	3.13	2.75	1.75



Dry AC Film

### Applications

- High Intensity Discharge (HID) lighting applications
- Other high voltage ballast applications

### Features - Dry AC Film Capacitor

- Constructed with specially formulated metallized polypropylene film
- Designed to operate in the high temperature environments found in typical HID lighting fixtures
- Endsprayed with zinc
- Manufactured to EIA-456A
- ROHS compliant
- UL and CSA recognized
- Filled with epoxy
- Round plastic case
- Capacitance from 7  $\mu\text{f}$  to 55  $\mu\text{f}$
- Voltage ranges from 240 VAC to 400 VAC
- Operating temperature to 105°C
- 8 inch, 18 AWG standard copper wire leads with UL listed insulation rated for 150°C
- Made in USA

Item ID	MFD	Volts	Hertz	Shape	Diameter (In.)	Height (In.)	Width (In.)	Depth (In.)
<b>Packard Dry AC Film</b>								
PLCR7330D	7	330	50/60	Round	1.18	2.68	—	—
PLCR10300D	10	300	50/60	Round	1.58	2.68	—	—
PLCR10330D	10	330	50/60	Round	1.58	2.68	—	—
PLCR10400D	10	400	50/60	Round	1.58	3.62	—	—
PLCR12330D	12	330	50/60	Round	1.58	2.68	—	—
PLCR15400D	15	400	50/60	Round	1.58	3.62	—	—
PLCR24400D	24	400	50/60	Round	1.77	4.61	—	—
PLCR55240D	55	240	50/60	Round	1.77	3.62	—	—

Maximum dependability in a “one for one” replacement for the Furnas DP contactor and many more.



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### Features

- **MEETS THE ARI 780/790 STANDARD**
- Universal metal mounting plate allows for complete ease of replacement
- Long electrical life; tested to 250,000 cycles
- Reliable mechanical life; tested to 1,000,000 cycles
- EE magnet assembly assures optimal performance without sacrificing power consumption
- Superior copper coil
- Performance unaffected by mounting position
- Flexible termination options suitable for various applications
- Dust-free internal construction
- OEM approved

Item ID	F/L Inductive Amps	Locked Rotor Amps 240/277/480/600	Resistive Amps	Coil Voltage	Industry No.	Furnas Replacement	
<b>Titan Max 1 Pole</b>							
TMX125A	25	150	35	24	61315	45DG10AJA	
TMX125B	25	150	35	120	61316	45DG10AFA	
TMX125C	25	150	35	208/240	61317	45DG10AGA	
TMX130A	30	180/150/120	40	24	61320	45EG10AJA	45EG10AJAL
TMX130B	30	180/150/120	40	120	61321	45EG10AFA	
TMX130C	30	180/150/120	40	208/240	61322	45EG10AGA	
TMX140A	40	240/200	50	24	61330	45GG10AJA	45GG10AJAL
TMX140B	40	240/200	50	120	—	45GG10AFA	45GG10AFAL
TMX140C	40	240/200	50	208/240	—	45GG10AGA	
<b>Titan Max 2 Pole</b>							
TMX225A	25	150/125/100	35	24	61410	42AF15AJ	45DG20AJ
TMX225B	25	150/125/100	35	120	61411	42AF15AF	45DG20AF
TMX225C	25	150/125/100	35	208/240	61412	42AF15AG	45DG20AG
TMX230A	30	180/150/120	40	24	61425	42BF15AJ	45EG20AJ 45EG20AJL
TMX230B	30	180/150/120	40	120	61426	42BF15AF	45EG20AF 45EG20AFL
TMX230C	30	180/150/120	40	208/240	61427	42BF15AG	45EG20AG 45EG20AGL
TMX240A	40	240/200/160	50	24	61440	42CF15AJ	45GG20AJ 45GG20AJL
TMX240B	40	240/200/160	50	120	61441	42CF15AF	45GG20AFL
TMX240C	40	240/200/160	50	208/240	61442	42CF15AG	45GG20AG 45GG20AGL
<b>Titan Max 3 Pole</b>							
TMX330A	30	180/150/120	40	24	61430	42BF35AJ	
TMX330B	30	180/150/120	40	120	61431	42BF35AF	
TMX330C	30	180/150/120	40	208/240	61432	42BF35AG	
TMX340A	40	240/200/160	50	24	61445	42CF35AJ	
TMX340B	40	240/200/160	50	120	61446	42CF35AF	
TMX340C	40	240/200/160	50	208/240	61447	42CF35AG	
TMX350A	50	300/250/200	63	24	61460	42DF35AJ	
TMX350B	50	300/250/200	63	120	61461	42DF35AF	
TMX350C	50	300/250/200	63	208/240	61462	42DF35AG	
TMX360A	60	360/300/240	75	24	61470	42EF35AJ	
TMX360B	60	360/300/240	75	120	61471	42EF35AF	
TMX360C	60	360/300/240	75	208/240	61472	42EF35AG	
TMX375A	75	450/375/300	94	24	61480	42FE35AJ106	
TMX375B	75	450/375/300	94	120	61481	42FE35AF106	
TMX375C	75	450/375/300	94	208/240	61482	42FE35AG106	
TMX390A	90	540/450/360	120	24	61490	42GE35AJ106	
TMX390B	90	540/450/360	120	120	61491	42GE35AF106	
TMX390C	90	540/450/360	120	208/240	61492	42GE35AG106	

## Definite Purpose Contactors



### Features

Contactors meet UL508 specifications for devices up to 600 VAC.

- 50/60 Hertz • US
- Coils have class B insulation
- Includes lugs, spade terminals and covers

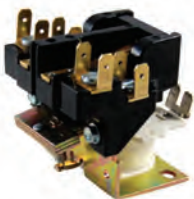
Item ID	Poles	F/L	Locked	Resistive Amps	Coil Voltage
		Inductive Amps	Rotor Amps 240.277/480/600		
<b>Packard 1 Pole</b>					
C125A	1	25	150/125/100	30	24
C125B	1	25	150/125/100	30	120
C125C	1	25	150/125/100	30	208/240
C130A	1	30	180/150/120	40	24
C130B	1	30	180/150/120	40	120
C130C	1	30	180/150/120	40	208/240
C140A	1	40	240/200/160	50	24
C140B	1	40	240/200/160	50	120
C140C	1	40	240/200/160	50	208/240
<b>Packard 2 Pole</b>					
C220A	2	20	120/100/80	30	24
C220B	2	20	120/100/80	30	120
C220C	2	20	120/100/80	30	208/240
C225A	2	25	150/125/100	35	24
C225B	2	25	150/125/100	35	120
C225C	2	25	150/125/100	35	208/240
C230A	2	30	180/150/120	40	24
C230B	2	30	180/150/120	40	120
C230C	2	30	180/150/120	40	208/240
C230D *	2	30	180/150/120	40	208/240
C230E	2	30	180/150/120	40	277
C240A	2	40	240/200/160	50	24
C240B	2	40	240/200/160	50	120
C240C	2	40	240/200/160	50	208/240
C240E	2	40	240/200/160	50	277

Item ID	Poles	F/L	Locked	Resistive Amps	Coil Voltage	Aux. Switch
		Inductive Amps	Rotor Amps 240.277/480/600			
<b>Packard 3 Pole</b>						
C325A	3	25	150/125/100	35	24	AC3
C325B	3	25	150/125/100	35	120	AC3
C325C	3	25	150/125/100	35	208/240	AC3
C330A	3	30	180/150/120	40	24	AC3, P6S, P7S
C330B	3	30	180/150/120	40	120	AC3, P6S, P7S
C330C	3	30	180/150/120	40	208/240	AC3, P6S, P7S
C330E	3	30	180/150/120	40	277	AC3, P6S, P7S
C330F	3	30	180/150/120	40	480	AC3, P6S, P7S
C340A	3	40	240/200/160	50	24	AC3, P6S, P7S
C340B	3	40	240/200/160	50	120	AC3, P6S, P7S
C340C	3	40	240/200/160	50	208/240	AC3, P6S, P7S
C340E	3	40	240/200/160	50	277	AC3, P6S, P7S
C340F	3	40	240/200/160	50	480	AC3, P6S, P7S
C350A	3	50	300/250/200	65	24	P8S, P38K
C350B	3	50	300/250/200	65	120	P8S, P38K
C350C	3	50	300/250/200	65	208/240	P8S, P38K
C350F	3	50	300/250/200	65	480	P8S, P38K
C360A	3	60	360/300/240	75	24	P8S, P38K
C360B	3	60	360/300/240	75	120	P8S, P38K
C360C	3	60	360/300/240	75	208/240	P8S, P38K
C360F	3	60	360/300/240	75	480	P8S, P38K
C375A	3	75	450/375/300	90	24	P9S
C375B	3	75	450/375/300	90	120	P9S
C375C	3	75	450/375/300	90	208/240	P9S
C390A	3	90	540/450/360	120	24	P9S
C390B	3	90	540/450/360	120	120	P9S
C390C	3	90	540/450/360	120	208/240	P9S
<b>Packard 4 Pole</b>						
C430A	4	30	180/150/120	40	24	AC3, P6S, P7S
C430B	4	30	180/150/120	40	120	AC3, P6S, P7S
C430C	4	30	180/150/120	40	208/240	AC3, P6S, P7S
C430F	4	30	180/150/120	40	480	AC3, P6S, P7S
C440A	4	40	240/200/160	50	24	AC3, P6S, P7S
C440B	4	40	240/200/160	50	120	AC3, P6S, P7S
C440C	4	40	240/200/160	50	208/240	AC3, P6S, P7S
C440F	4	40	240/200/160	50	480	AC3, P6S, P7S

**Notes:**

\* Spade terminals and cover only.  
Auxiliary Switches sold separately. See page 156

## Magnetic Contactor



Item ID	C18001
Type	DPST N.O.
Resistive Amps	30
Full Load Amps	30
Locked Rotor Amps	120
Coil Voltage	24
Hertz	50/60
Maximum Surrounding Air Temp.	40°C
Phase	Single

Replaces		
3ARR8E4	MC11	18001
90-230		

## Auxiliary Switches For TITAN MAX Contactors

### Features

- For use on Titan Max 3 pole contactors.

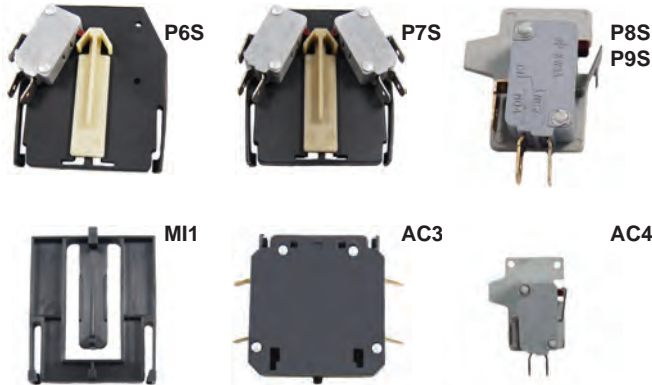


C03A01  
C03A02  
C03A10  
C03A11  
C03A20

C03M01  
C03M10  
C03M11

Item ID	Type
<b>TITAN MAX Auxiliary Contact Blocks with Quick Connect</b>	
C03A01	1NC
C03A10	1NO
C03A02	2NC
C03A20	2NO
C03A11	1NC + 1NO
<b>TITAN MAX Microswitch Blocks</b>	
C03M10	SPDT at position 1
C03M01	SPDT at position 2
C03M11	2PCS SPDT

## Auxiliary Switches For Packard Contactors



Item ID	Type	Amps
<b>Packard</b>		
P6S	SPDT	30-40
P7S	SPDT	30-40
P8S	SPDT	50-60
AC4	1 SPDT	50-60
P9S	SPDT	70-90
MI1	Mechanical Interlock	20-40
AC3	NO/NC	20-40
P38K	Includes P8S and AC3	

## Replacement Coils For Packard Contactors

### 3 Pole Contactor Replacement Coils



Coil Voltage: 20-40

Item ID	Poles	Coil Voltage	Full Load Amps
<b>Packard 3 Pole</b>			
C32040A	3	24	20-40
C32040B	3	120	20-40
C32040C	3	208/240	20-40
C32040D	3	277	20-40
C32040E	3	480	20-40
C35060A	3	24	50-60
C35060B	3	120	50-60
C35060C	3	208/240	50-60
C35060D	3	277	50-60
C35060E	3	480	50-60
C37590B	3	120	75-90
C37590C	3	208/240	75-90



Coil Voltage: 50-60



Coil Voltage: 75-90

### 4 Pole Contactor Replacement Coils



Item ID	Poles	Coil Voltage	Full Load Amps
<b>Packard 4 Pole</b>			
C42040A	4	24	20-40
C42040B	4	120	20-40
C42040C	4	208/240	20-40
C42040D	4	277	20-40

## Air Conditioning Disconnect Boxes



- | Item ID  | PDB30F  |
|--|---|
| <ul style="list-style-type: none"> <li>• 30 amp A/C disconnect box</li> <li>• Outdoor enclosure</li> <li>• Metal</li> <li>• c  US</li> </ul> | <ul style="list-style-type: none"> <li>• Fused</li> <li>• 240 VAC</li> <li>• Single phase</li> <li>• Flip top door</li> <li>• Nema type 3R</li> </ul> |

### Replaces

DDS-30	83316
MA-Line MA-FD30A	Square D 755-30F



- | Item ID  | PDB60F  |
|--|---|
| <ul style="list-style-type: none"> <li>• 60 amp A/C disconnect box</li> <li>• Outdoor enclosure</li> <li>• Metal</li> <li>• c  US</li> </ul> | <ul style="list-style-type: none"> <li>• Fused</li> <li>• 240 VAC</li> <li>• Single phase</li> <li>• Flip top door</li> <li>• Nema type 3R</li> </ul> |

### Replaces

DDS-60	83317
MA-Line MA-FD60A	Square D 755-60F



- | Item ID  | PDB60NF   |
|--|---|
| <ul style="list-style-type: none"> <li>• 60 amp A/C disconnect box</li> <li>• Outdoor enclosure</li> <li>• Metal</li> <li>• c  US</li> </ul> | <ul style="list-style-type: none"> <li>• Non-fused</li> <li>• 240 VAC</li> <li>• Single phase</li> <li>• Flip top door</li> <li>• Nema type 3R</li> </ul> |

### Replaces

DDS-60U	83315
MA-Line MA-NFD60A	Square D 755-60NF

## Packard Whips

### Applications

- Commonly used for connecting air conditioners, pumps, motors, compressors, swimming pool equipment and similar equipment



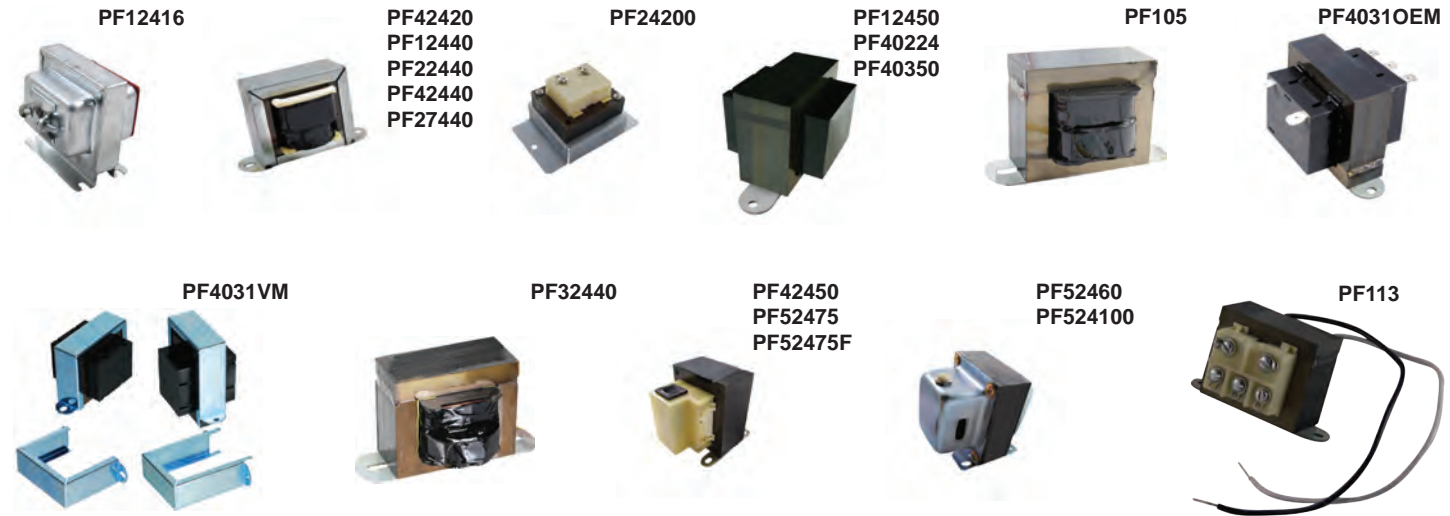
### Features

- 600 volt; Intended for 208/240/480 volt single phase circuits
- 12" conductor leads with 1/2" insulation stripped
- Stranded copper THHN/THWN insulated singles; Green insulated copper grounding conductor
- Highly flexible non-metallic conduit with factory installed conductors
- Liquid tight flexible non-metallic conduit type B (LFNC-B) fittings for easy and hassle-free hook-ups
- Straight connector on one end and 90 degree connector on the other end
- Non-metallic raceway is non-conducting and resistant to rust, cracks, and separation
- Completely assembled delivered from the factory ready to install

Item ID	Trade Size (In.)	Conduit Length (feet)	Wire Size # of Cond.	Amps
<b>Packard</b>				
PW1204	1/2	4	#10 GA	30
PW1206	1/2	6	#10 AWG	30
PW3484	3/4	4	#8 GA	40
PW3486	3/4	6	#8 AWG	40

Color Coding	
No. of conductors	Color sequence 120/208Y
2	black, red
<b>Grounding Conductor</b>	green

## Class II Foot Mount Transformers



### Features

- Packard transformers replace models with equal or lower VA rating
- Foot mount
- UL listed class II transformers

Item ID	Primary Voltage	Secondary Rating	Output Option	Mounting Option	Connection	Replaces	Notes
<b>Packard</b>							
PF12416	120	16	10VA	Foot	Wire Lead / Term	UET 10A	
PF42420	120/208-240	24	20VA	Foot	Wire Lead	Jard 2031F UET 114	
PF24200	120	24	20VA	Foot	Wire Lead / Term		
PF40224	208-240	24	40VA	Foot	Terminals		
PF105	120/208-240	24	40VA	Foot	Wire Lead	UET 105	115
PF4031VM	120	24	40VA	Foot	Wire Lead	Jard 4031VM	
PF12440	120	24	40VA	Foot	Wire Lead	Jard 4011F	
PF12450	120	24	50VA	Foot	Wire Lead		
PF22440	208-240	24	40VA	Foot	Wire Lead	Jard 4021F	
PF113	120	24	40VA	Foot	Wire Lead/Term	90-113 Fan Center Transformer	
PF42440	120/208-240	24	40VA	Foot	Wire Lead	Jard 4031F UET 115	
PF4031OEM	120/208/240	24	40VA	Foot	Terminals	Jard 4031OEM	
PF32440	120/208-240	24/12/2.5	40VA	Foot	Wire Lead	Jard 4032F UET 101	118
PF27440	277	24	40VA	Foot	Wire Lead	Jard 40271F	
PF40350	120/208/240	24	50VA	Foot	Wire Lead	Jard 5031F	
PF42450	120/208/240/480	24	50VA	Foot	Wire Lead	Jard 5041C	117
PF52460	120/208-240	24	60VA	Foot	Wire Lead	Jard 6041C UET 160	117
PF52475	120/208-240/480	24	75VA	Foot	Wire Lead	Jard 7541C UET 179R	117
PF52475F	120/208-240/480	24	75VA	Foot	Wire Lead	Jard 7541M UET 175	118
PF524100	120/208-240/480	24	100VA	Foot	Wire Lead	Jard 10041C	117

Notes: 115. Dimension between mounting holes is 2.756 inch or 70mm 117. Equipped with a circuit breaker 118. Built-In fuse included

## Class II Multi-Mount Transformers



### Features

- Packard transformers replace models with equal or lower VA rating
- Multi-mount transformers
- 4 1/4" x 4 1/4" mounting plate included
- 1/2" conduit hub for electrical knockout mounting
- UL listed class II transformers

Item ID	Primary Voltage	Secondary Rating	Output Option	Mounting Option	Connection	Replaces	Notes
<b>Packard</b>							
PM12040	120	24	40VA	Plate	Wire Lead/Term		
PM12440	120	24	40VA	Multi	Wire Lead	Jard 4011M UET 112	
PM32440	208-240	24	40VA	Multi	Wire Lead	Jard 4021M UET 113	
PM42440	120/208-240	24	40VA	Multi	Wire Lead	Jard 4031M	
PM43440	120/208-240	24/12/2.5	40VA	Multi	Wire Lead	UET 111	118
PM43448	120/208-240	24/12/2.5	48VA	Multi	Wire Lead		
PM44450	120/208-240	24	50VA	Multi	Wire Lead/Term	Jard 5031M UET 150	118
PM43450	120/208-240	24/12/2.5	50VA	Multi	Wire Lead	Jard 5032M	
PM10048P	208/240/480	24/120	100VA	Multi	Wire Lead	Jard 10048P	
PM7541MCB	120/208/240/480	24	75VA	Multi	Wire Lead	Jard 7541MCB	117

**Notes:**

117. Equipped with a circuit breaker

118. Built-In fuse included

## Fan Control Centers



### Features

- UL recognized 40 VA transformer
- Color coded leads
- Low voltage terminal board

Item ID	Primary Voltage	Primary Connections	Secondary Voltage	Secondary Connections	Relay	Replaces
<b>Packard</b>						
FC90112	120	Leads	24	Terminal Board	DPDT	White-Rodgers 90-112
FC90113	120	Leads	24	Terminal Board	SPDT	White-Rodgers 90-113
FC90118	120	Leads	24	Terminal Board	SPNO/SPNC	White-Rodgers 90-118E
FC90119	208/240	Leads	24	Terminal Board	SPDT	White-Rodgers 90-119
FC90130	120/208/240	Leads	24	Terminal Board	DPDT	White-Rodgers 90-130

## Potential Relays



### Features

- Temperature range: 40°F to 130°F
- Class B insulation
- Continuous duty
- UL and CSA recognized

Item ID	Continuous Coil Voltage	Pick-Up Min.	Pick-Up Max.	Drop Out Max.	DC Res	Coil Data MA	Coil Data Nom. VA	Inrush VA	Class Insulation	Replaces
<b>Packard</b>										
PR9026	395	180	195	100	7147	12.7	5	10	B	90-26
PR9063	170	140	153	65	1399	29	5	10	B	90-63
PR9064	395	245	275	140	7147	12.7	5	10	B	90-64
PR9065	332	171	184	90	5180	15	5	10	B	90-65
PR9066	395	208	239	130	7147	12.7	5	10	B	90-66
PR9067	420	300	328	121	10000	12	5	10	B	90-67
PR9068	495	323	352	135	11950	10	5	10	B	90-68
PR9071	420	223	252	150	10000	12	5	10	B	90-71
PR9169	332	180	193	105	5600	12	5	10	B	90-69

## Direct Replacement Relays For ICP And Nordyne



PR1922



PR1931

### Features

- Electric heater relay
- Used with AMF(K,H)xxCxx heaters in ICP air handlers

Item ID	Continuous Coil Voltage	Pick-Up Min.	Pick-Up Max.	Drop Out Max.	Coil	Replaces
<b>Packard</b>						
PR1922	28.6	16.5	22	2.2	DC	ICP 111001922 ICP 1084529
PR1931	31.2	18	24	7.2	AC	Nordyne 621931

## Time Delay Relays



PTD102  
Delay on Make



PTD203  
Delay on Break

### Application

- Prevents short cycling of air conditioning, refrigeration and heat pump compressors

### Features

- Universal voltage
- Adjustable up to 10 minutes
- Mounts in any position
- Easy two-wire installation
- UL and CSA recognized
- Delay on make / delay on break

Item ID	Connection	Time Delay	Input Line Frequency	Input Line Voltage	Output Ratings Inrush	Output Ratings Max.	Output Ratings Min.	Replaces
<b>Packard</b>								
PTD102	2 - 1/4" male terminals	.03 - 10 mins.	50/60	18-240VAC/ VDC	15 amps	1.5 amps	40 mA	Carrier P284-2391 Gemline IC213 Gemline IC310 ICM 102B ICM 102FB ICP 1160706 Lennox 24C4101 Lennox 47A7301 McQuay 282101B14 McQuay 282101B2 McQuay 282101B3 Rheem 42-22326-01 Rheem 42-41542-01 3310-068 ADM-2
PTD203	2 - 1/4" male terminals	.03 - 10 mins.	50/60	18-240VAC/ VDC	15 amps	1.5 amps	40 mA	A-1 Components F7035 Carrier P284-2392 ICM 203B ICP 1160708 ICP 1160711 3310-072 Trane TMR107 Trane TMR52 ADB-1



## SPST And SPDT Fan Relays

### Features

- 1/4" Quick connect terminals
- Used for switching solenoids, fan motors, and other applications.



Item ID	Description	Amps Res.	FLA/LRA at		Coil Voltage	Replaces
			125 Volts	250 Volts		
<b>Packard</b>						
PR290Q	SPST-NO	16	—	8/25	24 VAC	90-290Q
PR291Q	SPST-NO	16	—	8/25	120 VAC	90-291Q
PR292Q	SPST-NO	16	—	8/25	240 VAC	90-292Q
PR293Q	SPDT	16	—	8/25	24 VAC	90-293Q
PR294Q	SPDT	16	—	8/25	120 VAC	90-294Q
PR295Q	SPDT	16	—	8/25	240 VAC	90-295Q
PR360	SPST-NO	18	12/60	8/48	24 VAC	90-360
PR362	SPST-NO	18	12/60	8/48	120 VAC	90-362
PR370	SPDT	18	12/60	8/48	24 VAC	90-370
PR372	SPDT	18	12/60	8/48	120 VAC	90-372
PR374	SPDT	18	12/60	8/48	240 VAC	90-374
PR380	SPST NO + NC	18	12/60	8/48	24 VAC	90-380
PR382	SPST NO + NC	18	12/60	8/48	120 VAC	90-382
PR384	SPST NO + NC	18	12/60	8/48	240 VAC	90-384

## Switching Relays

### Features

- Used on heat pumps, vending machines, fans, and heating and air conditioning



Item ID	Coil Voltage	Description	Terminal 1-2-3	Terminal 4-5-6	Replaces
<b>Packard</b>					
PR340	24	DPDT	Power	Power	90-340
PR341	110/120	DPDT	Power	Power	90-341
PR342	208/240	DPDT	Power	Power	90-342
PR343	24	DPDT	Power	Pilot	90-343
PR344	110/120	DPDT	Power	Pilot	90-344
PR345	208/240	DPDT	Power	Pilot	90-345

## Relay Overloads

### Features

- Replaces relay and overload combinations on 1/8 thru 1/3 HP compressors.



Item ID	Volts	H.P.	Hertz
<b>Packard</b>			
RO15	115	1/8-1/5	50/60
RO13	115	1/4 and 1/3	50/60

## Automatic Small Flush Mount - SPST - Limit Thermostats



### Features

- Used in gas fired furnaces, unit heater and rooftop units
- Automatic reset
- Wide temperature range for most heating applications



Item ID	Terminals	Cut In Temp.	Cut Out Temp.	Differential
<b>Packard</b>				
PLF130VA	Vertical 1/4"	115°F	130°F	15°F
PLF155VA	Vertical 1/4"	115°F	155°F	40°F
PLF158VB	Vertical 3/16"	118°F	158°F	40°F
PLF165VA	Vertical 1/4"	125°F	165°F	40°F
PLF170VA	Vertical 1/4"	130°F	170°F	40°F
PLF185VB	Vertical 3/16"	145°F	185°F	40°F
PLF190HA	Horizontal 1/4"	150°F	190°F	40°F
PLF194HB	Horizontal 3/16"	154°F	194°F	40°F
PLF200HA	Horizontal 1/4"	160°F	200°F	40°F
PLF200VA	Vertical 1/4"	160°F	200°F	40°F
PLF210HA	Horizontal 1/4"	170°F	210°F	40°F
PLF222VA	Vertical 1/4"	182°F	222°F	40°F
PLF230HA	Horizontal 1/4"	190°F	230°F	40°F
PLF230HB	Horizontal 3/16"	190°F	230°F	40°F
PLF250HA	Horizontal 1/4"	200°F	250°F	50°F
PLF252VB	Vertical 3/16"	202°F	252°F	50°F
PLF255VA	Vertical 1/4"	205°F	255°F	50°F
PLF260HA	Horizontal 1/4"	210°F	260°F	50°F
PLF275HB	Horizontal 3/16"	225°F	275°F	50°F
PLF275VB	Vertical 3/16"	225°F	275°F	50°F
PLF280HB	Horizontal 3/16"	230°F	280°F	50°F
PLF300HB	Horizontal 3/16"	250°F	300°F	50°F
PLF300VA	Vertical 1/4"	250°F	300°F	50°F
PLF330VA	Vertical 1/4"	280°F	330°F	50°F

## Manual - SPST - Limit Thermostats



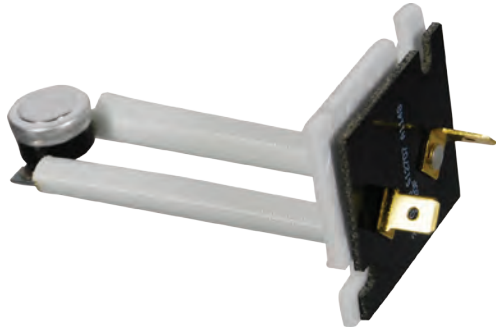
### Features

- Used in gas fired furnaces, unit heater and rooftop units
- Manual reset
- Wide temperature range for most heating applications



Item ID	Terminals	Switch Action	Switch Type	Cut In Temp.	Cut Out Temp.	Amps	Volts	Hertz	Replaces
<b>Packard</b>									
PRL130	Vertical 1/4"	Open On Rise	SPST	Manual Reset	130°F	16.0	250	50/60	Rheem 47-22453-01
PRL135	Vertical 1/4"	Open On Rise	SPST	Manual Reset	135°F	16.0	250	50/60	Rheem 47-22453-02
PRL220	Vertical 1/4"	Open On Rise	SPST	Manual Reset	220°F	16.0	250	50/60	Nordyne 626354
PRL230	Vertical 1/4"	Open On Rise	SPST	Manual Reset	230°F	16.0	250	50/60	Nordyne 626353
PRL240	Vertical 1/4"	Open On Rise	SPST	Manual Reset	240°F	16.0	250	50/60	Nordyne 626355
PRL250	Vertical 1/4"	Open On Rise	SPST	Manual Reset	250°F	16.0	250	50/60	Nordyne 626352
PRL260	Vertical 1/4"	Open On Rise	SPST	Manual Reset	260°F	16.0	250	50/60	Nordyne 626350
PRL300	Vertical 1/4"	Open On Rise	SPST	Manual Reset	300°F	16.0	250	50/60	Heil 1005549 York 026-34027-000
PRL350	Vertical 1/4"	Open On Rise	SPST	Manual Reset	350°F	16.0	250	50/60	Rheem 47-22861-01 Goodman B1370154

## Plenum Thermostats



### Features

- Opens when furnace plenum area temperature is too high
- Shuts furnace down until the temperature returns to normal



Item ID	Close Temp. °F	Open Temp. °F	Thermodisc	Carrier	Bryant	Goodman	Rheem	Trane	York
<b>Packard</b>									
PHL501	130	170	L170-40 SPST	P331-2203	HH12ZA174A HH12ZA176A		47-21711-06		025-29041-007
PHL502	150	180	L180-30 SPST		HH12ZA178A	B1370001			
PHL503	150	190	L190-40 SPST	P331-2205	HH12ZA189 HH12ZB190 HH12ZA193A		47-21711-03		025-29041-012
PHL504	200	240	L240-40 SPST	P331-2217	HH12ZA240 HH12ZA252A				
PHL505	100	140	L140-40 SPST		HH12ZB140			SWT1258	
PHL506	130	170	L170-40 SPST		HH12ZB170				
PHL507	110	140	L140-30 SPST		HH12ZA140				025-29041-005
PHL508	170	190	L150-20 SPST	P331-2005	HH12ZB190 HH12ZA193 HH12ZA189	B1370913		SWT1260	
PHL509	210	240	L240-30 SPST	P331-2217	HH12ZB240 HH12ZA252 HH12ZA240	B1370903			
PHL510	130	150	L150-20 SPST		HH12ZB150				
PHL511	140	160	L160-20 SPST		HH12ZB160				025-29041-004
PHL512	150	170	L170-20 SPST		HH12ZB170				
PHL513	130	170	L170-40 SPST						
PHL514	104	180	L180-40 SPST		HH12ZB180				025-29031-711
PHL515	160	200	L200-40 SPST		HH12ZB200 HH12ZA199 HH12ZA201				025-29041-006
PHL516	170	210	L210-40 SPST		HH12ZB210			SWT1263	
PHL517	180	220	L220-50 SPST	48NHT042	HH12ZB220 HH12ZA219 HH12ZA223			SWT1273	
PHL518	210	250	L250-40 SPST	P331-2208	HH12ZB250 HH12ZA251	B1370012S		SWT1261 SWT1272	
PHL519	125	155	L155-30 SPST			B1370006			

## Adjustable Thermostats

### Applications

- Covers approximately 95% of the hundreds of different temperature ranges and styles used on dryers and heating applications

### Features

- Dial knob
- 1/4" quick connect terminals
- UL recognized and CSA certified



Item ID	Switch Action	Switch Type	Temp. Range	Differential	Volts	Amps	Hertz	Replaces
<b>Packard Limit Controls</b>								
PT012	Open On Rise	SPST	135°F to 175°F	40°F	250	25	50/60	AT012 39220 3L05-1
PT013	Open On Rise	SPST	175°F to 215°F	40°F	250	25	50/60	AT013 39225 3L05-2
PT014	Open On Rise	SPST	210°F to 250°F	40°F	250	25	50/60	AT014 39230 3L05-4
PT015	Open On Rise	SPST	250°F to 290°F	40°F	250	25	50/60	AT015 39235 3L05-13
<b>Packard Fan Controls</b>								
PT021	Close On Rise	SPST	90°F to 130°F	20°F	250	25	50/60	AT021 39205 3F05-1
PT022	Close On Rise	SPST	140°F to 180°F	20°F	250	25	50/60	AT022 39210 3F05-2

## Heat Sequencers

HS24A341



HS24A342



HS24A343



HS24A344



HS24A345



HS24A346



HS24A3414



### Features

- Contact ratings: up to 25 Amps at 120 or 240 Volts and 12.5 Amps at 480 Volts
- Full-load rated auxiliary contacts
- Standard operating ambient between -50°F (-45.5°C) and 165°F (73.8°C)
- Shock and vibration resistant
- Solid state
- Quick-connect terminals
- Mounts in any position
- UL and CSA recognized

Item ID	Timings - On							Timings - Off					Type
	Timings	Switches	M1-M2	M3-M4	M5-M6	M7-M8	M9-M10	M1-M2	M3-M4	M5-M6	M7-M8	M9-M10	
<b>Packard</b>													
HS24A341	1	1	1-20					40-110					SPST
HS24A342	1	1			30-90					1-30			SPST
HS24A343	1	2	1-20	1-20				40-110	40-110				DPDT
HS24A344	1	2			30-90	30-90				1-30	1-30		DPDT
HS24A345	2	3	1-110	1-110	1-110			1-110	1-110	1-110			DPDT-SPST
HS24A346	2	4	1-110	1-110	1-110	1-110		1-110	1-110	1-110	1-110		2-DPDT
HS24A3414	4	5	1-160	1-160	1-160	1-160	1-160	1-160	1-160	1-160	1-160	1-160	2DPDT-SPST

Item ID	HS24A341	HS24A342	HS24A343	HS24A344	HS24A345	HS24A346	HS24A3414
<b>Replaces</b>							
Gemline	GS101	GS102	GS103	GS104	GS105	GS106	GS107
Klixon	60000AOM	A012	E017	51172-22	51172-32	51172-33	51172-131-5
White-Rodgers	24A34-1	24A34-2	24A34-3	24A34-4	24A34-5	24A34-6	24A34-14

## Direct Replacement For Goodman



Item ID	Type	Control Voltage	Delay On (Seconds)	Delay Off (Seconds)	Replaces
<b>Packard</b>					
HS33247	SPDT 1 & 3 N.O.	24	1-24	15-75	Goodman B1370738 Klixon COM-21

## Packard Round Silicon Nitride Igniters

### Features

- Round
- Made of durable silicon Nitride
- All igniters are cCSAus certified
- OEM direct replacements



**Item ID IG1121N**

- 5.5" Leads with connector
- Mounting bracket included

#### Replaces

Goodman B1401015  
Modine 5H075032B



**Item ID IG1401N**

- Gasket included
- 5.5" Leads with connector
- 9" Leads with connector

#### Replaces

Amana 10041601  
Amana B1336102  
Amana D99182  
Starlite 11120-100-1401  
Trianco-Heatermaker 2600-359



**Item ID IG1402N**

- 19" Leads with wire nuts

#### Replaces

Amana 10755002  
Clare C-238 / C-242  
Dornback 271W  
Rheem 62-22441-01  
Trane 340039P01, IGN23  
Armstrong 38322B001  
DMO 20834 / 26789  
Goodman B11726-06  
Williamson 09050



**Item ID IG1403N**

- 5.5" Leads with wire nuts

#### Replaces

Amana B138196P01  
Raypak 600915  
Snyder General 1380654  
Trane B138196P01 Trane IGN26  
Trane IGN30 Weil McLain 511-330-139



**Item ID IG1405N**

- 5.5" Leads with wire nuts
- 12" Leads with connector

#### Replaces

Heil Quaker 1001344  
Heil Quaker 1148145  
York 025-27766-00  
York 025-27774-000  
York 025-29043-000



**Item ID IG1408N**

- 5.5" Leads with connector

#### Replaces

Amana 340039P01  
Rheem 62-2241-01  
Rheem 62-22868-93  
Trane IGN-0034  
Whirlpool 99794328  
Lennox 98P78  
Rheem 62-2268-92  
Trane B340039P01  
Starlite 11120-100-1408



**Item ID IG1409N**

- 5.5" Leads with connector

#### Replaces

Carrier LH33ZS001  
Carrier LH33ZS003  
Ducane 20015201  
Trane IGN26  
Weil McLain 511-330-139  
Carrier LH33ZS002  
Carrier LH33ZS004  
Snyder General 1380672  
Snyder General 1380680



**Item ID IG1410N**

- 5.5" Leads with connector

#### Replaces

Amana B144676P01  
Trane B144676P01



**Item ID IG1411N**

- Includes bracket & connector

#### Replaces

Norton 271N  
Rheem 62-22868-82



**Item ID IG1412N**

- 5.5" Leads with connector

#### Replaces

Goodman B1401009  
Heil Quaker 1009604  
ICP 1009604  
Norton 271NM



**Item ID IG1414N**

- 5.5" Leads with connector
- Includes brackets and wire nuts

#### Replaces

Goodman B14010-15S  
Norton 271NM  
Norton MB457025  
767A-384

## Packard Silicon Carbide Igniters

### Features

- Silicon Carbide Igniters
- All igniters are cCSAus certified
- OEM direct replacements




**Item ID** IG3033

- Used on many Trane package models beginning with YCD15, YCD17 and YCD18
- Includes igniter, gasket, clip, mounting screws and installation instructions

**Replaces**  
Trane KIT03033



**Item ID** IG1121

- 5.5" Leads with connector
- Mounting bracket included


**Replaces**  
Goodman B1401015  
Modine 5H075032B



**Item ID** IG1401

- Gasket included
- 5.5" Leads with connector
- 9" Leads with connector

**Replaces**  
Amana 10041601  
Amana B1336102  
Amana D99182  
Starlite 11120-100-1401  
Trianco-Heatermaker 2600-359



**Item ID** IG1402

- 19" Leads with wire nuts


**Replaces**  
Amana 10755002    Armstrong 38322B001  
Clare C-238 / C-242    DMO 20834 / 26789  
Dornback 271W    Goodman B11726-06  
Rheem 62-22441-01    Williamson 09050  
Trane 340039P01, IGN23



**Item ID** IG1403

- 5.5" Leads with wire nuts

**Replaces**  
Amana B138196P01  
Raypak 600915  
Snyder General 1380654  
Trane B138196P01    Trane IGN26  
Trane IGN30    Weil McLain 511-330-193



**Item ID** IG1405

- 5.5" Leads with wire nuts
- 12" Leads with connector

**Replaces**  
Heil Quaker 1001344  
Heil Quaker 1148145  
York 025-27766-00  
York 025-27774-000  
York 025-29043-000



**Item ID** IG1406

- Gasket included
- 11" Leads with wire nuts


**Replaces**  
Glowcore HSRK-7  
Lochinvar PLT2400  
Spiral Igniter FY009  
Weil McLain 511-330-188



**Item ID** IG1407

- 5.5" Leads with connector

**Replaces**  
Trane B144676P02  
Trane IGN30



**Item ID** IG1408

- 5.5" Leads with connector

**Replaces**  
Amana 340039P01    Lennox 98P78  
Rheem 62-2241-01    Rheem 62-22868-92  
Rheem 62-2268-93    Trane B340039P01  
Trane IGN-0034    Starlite 11120-100-1408  
Whirlpool 99794328



**Item ID** IG1409

- 5.5" Leads with connector

**Replaces**  
Carrier LH33ZS001    Carrier LH33ZS002  
Carrier LH33ZS003    Carrier LH33ZS004  
Ducane 20015201    Snyder General 1380672  
Trane IGN26    Snyder General 1380680  
Weil McLain 511-330-139



**Item ID** IG1410

- 5.5" Leads with connector

**Replaces**  
Amana B144676P01  
Trane B144676P01



**Item ID** IG1411

- Includes bracket & connector

**Replaces**  
Norton 271N  
Rheem 62-22868-82



**Item ID** IG1412

- 5.5" Leads with connector

**Replaces**  
Goodman B1401009  
Heil Quaker 1009604  
ICP 1009604  
Norton 271NM



**Item ID** IG1414

- 5.5" Leads with connector
- Includes brackets and wire nuts

**Replaces**  
Goodman B14010-15S  
Norton 271NM  
Norton MB457025  
767A-384

## Universal And Specialty Silicon Nitride Hot Surface Igniter Kits

### Features

- Silicon nitride has high fracture toughness and chemical resistance abilities and can be handled with the greasiest of hands
- For furnaces, boilers, pool and water heaters



**Item ID** IG0004N

- Silicone nitride igniter

### Replaces

Carrier LH33ZS004



**Item ID** IG1413N

- 120 Volt
- Special flat glo-stix

### Replaces

Carlin 87197S  
Norton 201C



**Item ID** IG1090N

- 120 Volt
- Universal flat glo-stix

### Replaces

Norton 101M	Norton 201P	Norton 271NM
Norton 201D	Norton 201W	Norton 271P
Norton 201K	Norton 271	Norton 271R
Norton 201L	Norton 271D	Norton 271RS
Norton 201M	Norton 271M	Norton 271W
Norton 201N	Norton 271N	May also be used to replace Gas dryer igniters.



**Item ID** IG0001

- Includes mini igniter, flat mounting plate, screw, instruction sheet and adapter harness; Manufactured using silicon nitride

### Replaces

Goodman 023K00000S	Goodman B1401015S
	Goodman B1401018S



**Item ID** IG9500

- 24 Volt
- Silicon nitride design

### Replaces

ICP 1009524	Honeywell Q3450
ICP 1149856	Honeywell Q3480
Honeywell Q3400A1016	Honeywell Q3620
Honeywell Q3400A1024	Igniters Direct "SMART LITE"
Honeywell Q3400A1040	



**Item ID** IG1000N

- 120 Volt
- Universal round glo-stix

### Replaces

Norton 201	Norton 201N	Norton 271M
Norton 201D	Norton 201R	Norton 271N
Norton 201J	Norton 201W	Norton 271NM
Norton 201K	Norton 201Y	Norton 271P
Norton 201L	Norton 271	Norton 271W
Norton 201M	Norton 271D	Norton 271Y

Honeywell Q3200U1000\$



**Item ID** IG1114

- An exact replacement kit for Nordyne series G6 (and earlier models G3, G4, G5) and M2 furnaces.
- The kit includes complete installation instructions along with an adapter bracket and screws for G3RC, G4 (all), G5 (all), G3RA, G6 (all) and M2 (all) Nordyne furnaces.

### Replaces

Nordyne 903758	Nordyne 632363
Nordyne 632354	Nordyne 903597

\*IG1114 is a silicon carbide igniter



**Item ID** IG80V

- 80 Volt / 120 watts
- Direct universal replacement

### Replaces

Amana 11111701	Trane IGN00104
Lennox 41K5601	Trane IGN0104
Thermo Products 768A-143	Trane IGN033
Trane B340970PO1	Trane IGN059
Trane IGN00117	CAR768A845
Trane IGN00033	CARIGN00117
Trane IGN00059	HS100117A

## Flame Sensors



**Item ID PFS401**

- Teflon insulated (250°C rating) lead wire
- Single screw, plated steel mounting bracket
- Single rod
- 30 Inch lead with a female connection
- Probe length 3 inch

**Replaces**

31380679



**Item ID PFS802**

- Single screw, plated steel mounting bracket
- Single rod
- 1/4 Inch male connection
- Probe length 3 inch

**Replaces**

ICP 1380687  
Goodman 0130F00010  
York 025-27773-700



**Item ID PFS013**

- Teflon insulated (250°C rating) lead wire
- Used on these Bryant & Carrier models: 355MAV, 345MAV, 340MAV, 350MAV, 373LAV, 58MXA, 58MVP and 58MCA

**Replaces**

Carrier LH680013	Carrier Model:
Carrier LH33WZ514	355 MAV 345MAV
Carrier LH33WZ516	340MAV 350MAV



**Item ID PFS014**

- Teflon insulated (250°C rating) lead wire
- 45 Degree
- For use with Carrier LH33ZS004 igniter
- Used on these Bryant & Carrier models: 330AAV, 330JAV, 333BAV, 333JAV, 398AAV, 58DHC, 58DXC, 58PAV, 58SSC, 58SXC, 58TUA and 58WAV

**Replaces**

Carrier LH680014	Carrier LH 680012
Carrier LH33WZ511	Carrier LH33WZ515
6-62442-18179-4	



**Item ID PFS301**

- 90 Degree
- Length - mounting flange to sensor tip: 2 1/2"
- Length - sensor offset: 1 9/16"
- Angle - sensor offset: 90 degree
- Termination: 1/4" male quick connect
- Commonly found on the Following Models: UGDG VGDG UGDG VGDG UGDG VGDG UGDJ UGFD UGLG UGLH UGLJ UGLK UGLL UGLN UGLQ UGLR UGPH UGPJ UGPK UGPL UGPN UGPP UGPQ UGPR UGRA UGRB UGRJ UGRK UGRL UGRM UGSA UGTA UGTJ UGVG UGVH UGVJ 80LJ 80LS 80PJ 80PS 90RJ 90RS 90RT 90TJ 90TS RGFE RGLS RGPS URGRM RGRS RGRT RCTS SGPG SGPN

**Replaces**

Rheem 62-23543-01

**Features**

- Flame sensors for Hot Surface Ignition (H.S.I.) systems
- Can be mounted remotely on multiple burners or adjacent to igniter on other applications
- For use with spark ignition and flame sensing
- High quality alumina ceramic insulator
- High temperature kanthal flame rod material that can withstand up to 1800°F

## Thermocouples

**Features**

- Designed to simplify installation on automatic controls and burners.
- Stainless steel head and weld at tip to provide reliable performance.
- Kit includes adapters to fit most types of pilot burners.
- Five popular lengths are available.



Item ID	Length (In.)	Replaces			
		Honeywell	Johnson	Penn	Robertshaw
<b>Packard</b>					
22218	18	Q340A1066	K19AT-18 K15DS-18	K19AT-18 K15DS-18	1900-018 1980-018
22224	24	Q340A1074	K19AT-24 K15DS-24	K19AT-24 K15DS-24	1900-024 1980-024
22230	30	Q340A1082	K19AT-30 K15DS-30	K19AT-30 K15DS-30	1900-030 1980-030
22236	36	Q340A1090	K19AT-36 K15DS-36	K19AT-36 K15DS-36	1900-036 1980-036
22248	48	Q340A1108	K19AT-48 K15DS-48	K19AT-48 K15DS-48	1900-048 1980-048



## Air Pressure Sensing Switch Kits



Manufactured by  
CLEVELAND CONTROLS

### Features

- Mounts with the diaphragm in vertical plane
- Easy installation
- Designed for residential furnace and light commercial aftermarket applications; duct heater, oven, and other HVAC or energy management applications

Item ID	Description	Range	Operating Temp. Range	Contact Arrangement	Connection	Approval
<b>Packard</b>						
PS000	Field Adjustable Switch Kit	0.10"wc To 10.0"wc.	-40F To 190F	SPDT	1/4" Quick-Connect Terminals	UL CUL
PS495	Field Adjustable Switch Kit	0.20"wc To 1.0"wc.	-40F To 190F	SPDT	3 Male 90° Quick-Connect terminals	UL CSA
PS498	Field Adjustable Switch Kit	1.0"wc To 4.0"wc.	-40F To 190F	SPDT	3 Male 90° Quick-Connect terminals	UL CSA
PS222	Field Adjustable Switch Kit	0.05"wc To 12.0"wc.	-40F To 180F	SPDT	Screw Top Terminals With Cup Washers	UL CSA
PS460	Field Adjustable Manual Reset Kit	0.40"wc To 12.0"wc.	—	SPST-NC (Manual Reset)	Screw Top Terminals With Cup Washers	UL CSA
PS221	Fixed Set Point Switch Kit	Operates On Pressure Rise At 0.05±0.02"wc.	-40F To 180F	SPDT	1/4" Male 90° Quick-Connect terminals	UL CSA
PS400	Field Adjustable Switch Kit	0.15"wc To 5.0"wc.	-40F To 180F	SPDT	Screw Terminals With Cup Washers	UL CUL
PS415	Field Adjustable Switch Kit	0.15"wc To 5.0"wc.	-40F To 180F	SPST-NO, SPST-NC, SPDT	1/4" 90° Quick-Connect Terminals, Screw Terminals With Cup Washers	UL
PS606	Universal Air Flow Sample Probe & Tubing Kit	—	—	—	—	—

## Electric Heating Restring Coil Kits



### General Purpose Restring Coil Kits

#### Features

- Restring kits are complete with terminal insulators, screws, washers and nuts.
- Tight coil wire with 11/32" maximum outer diameter.
- Packaged in a poly bag.

Item ID	Watts at 240 Volt	Watts at 208 Volt
<b>Packard</b>		
PH500	5000	3750
PH501	3500	2625
PH502	2000	1500
PH503	2500	1875
PH505	4500	3375
PH506	4000	3000
PH507	3000	2250
PH520	6600	4950



### 5/8" O.D. General Purpose Coil Kits

#### Features

- Large open coil heaters for wall furnaces, duct heaters, electric furnaces, bathroom heaters and combination units.
- Coil is terminated with 1/4" spade terminal.
- Butt screws, bushings, nuts and instructions for converting to other connections are included.

Item ID	Connector	Watts at 240 Volt	Watts at 208 Volt
<b>Packard</b>			
PH500FC	1/4" Spade	5000	3750
PH500FCB	Bolt	5000	3750
PH501FC	1/4" Spade	3500	2625
PH501FCB	Bolt	3500	2625

## Ditek Surge Protector



### Features

- Weatherproof enclosure
- Parallel connection for easy installation
- Diagnostic LED provides positive indication of power, ground presence, and surge protection
- Automatically resets to handle multiple surge events
- Typical Applications: A/C disconnect, small electrical panels, pool/well pumps



Item ID	Service Wiring	Peak Surge Current	MCOV	UL 1449, 3rd Ed. V.P.R.	Short Circuit Current Rating	UL1449, 3rd Ed. In Rating
<b>Ditek Surge Protector</b>						
PSP72KA	Split $\Phi$ (2W + G), 120/240VAC	72,000A/Phase 36,000A/Mode	130/260V	500V L-G, 900V L-L	10,000A	10,000A

## Eco Alkalines™: The Eco-Responsible Batteries



Single



Bulk

By purchasing Eco Alkalines™, you're doing your part to reduce CO<sup>2</sup> and climate change impact brought about by the production, distribution and disposal of alkaline batteries.

- World's first and only certified carbon neutral batteries
- No trace amounts of harmful metals: Cadmium, lead or mercury
- Manufactured with recycled materials and contains 98% recyclable contents
- Landfill safe if recycling is not an option
- Certified Carbon Neutral by Carbonfund.org and NSF Sustainability



Item ID	Type	Pack size	Master Pack
<b>Eco Alkalines Batteries</b>			
EC0AA4	AA	4	12 PK
EC0AAA4	AAA	4	16 PK
EC0AA8	AA	8	5 PK
EC091	9V	1	10 PK
ECOC2	C	2	7 PK
ECOD2	D	2	5 PK
<b>Eco Alkalines Batteries BULK Package</b>			
EC0AA24	AA	24	—
EC0AAA24	AAA	24	—
EC09V12	9V	12	—
ECOC12	C	12	—
ECOD12	D	12	—



## No, you are not seeing double.

**Revcor** fan blades are the real deal. That's why approximately 85% of the OEM market uses them. When you purchase a **Revcor** fan blade, you are receiving the same heavy duty quality, the same embossing for added durability, and the same blade qualified by the OEM after hours of rigorous design and testing.

Ensure the quality of your commercial or residential repair with fan blades that get the OEM seal of approval.

## The choice is crystal clear.

**REVCOR**  
REVOLUTIONARY AIR FLOW™



*Proudly made in the USA*



## OEM Direct Replacements

OEM Brand	OEM Part number	Item ID
<b>Revcor</b>		
CARRIER	LA01EA025	R32213
CARRIER	LA01EA026	R21801
CARRIER	LA01EA037	R32205
CARRIER	LA01EA038 / LA01EA037	R32206
CARRIER	LA01EC018	R31821
CARRIER	LA01EW051	R31404
CARRIER	LA01RA004	R32603
CARRIER	LA01RA005	R32607
CARRIER	LA01RA006	R32610
CARRIER	LA01RA015	R31811
CARRIER	LA01RA027	R32202
CARRIER	LA01RA028B	R32208
CARRIER	LA01RA033	R32017
CARRIER	LA01RA038A	R32215
CARRIER	LA01RA220	R22001
CARRIER	LA01RA221	R22002
CARRIER	LA01RA222	R22401
CARRIER	LA01RA225	R22402
CARRIER	LA01RA312	R32402
CARRIER	LA01RA320	R32004
CARRIER	LA01RA321	R32008
CARRIER	LA01RA323	R32409
CARRIER	LA01RA324	R32406
CARRIER	LA01RA325	R32401
CARRIER	LA01RA326	R32602
CARRIER	LA01RA327	R32605
CARRIER	LA01RA329	R32606
CARRIER	LA01RA334	R32601
GOODMAN	10625738	R32604
GOODMAN	0150M0001P	R32009
GOODMAN	0150M00016	R32204

OEM Brand	OEM Part number	Item ID
<b>Revcor</b>		
GOODMAN	B1086756	R31815
GOODMAN	B1086764	R42201
GOODMAN	B1086765	R42209
GOODMAN	B1086770	R32201
GOODMAN	B1086771	R31816
GOODMAN	B1086773	R32209
GOODMAN	B1086775 / 0150M00006	R32216
LENNOX	100060-09 / 68J2801	R41812
LENNOX	100060-10	R42210
LENNOX	100060-13	R42204
LENNOX	37L4801	R31604
LENNOX/ALLIED AIR	68J2601 / 100060-07	R31807
LENNOX/ALLIED AIR	68J2701 / 100060-08	R41805
LENNOX/EXCEL	100060-18	R32204
LENNOX/EXCEL	20391102	R31817
LENNOX/EXCEL	100060-03	R31810
LENNOX/EXCEL	100060-19	R32212
NORDYNE	667303	R32406
NORDYNE	6672790	R32003
NORDYNE	667261C	R31801
NORDYNE	667262B	R31814
NORDYNE	667316A	R32403
NORDYNE	667319A	R22405
RHEEM	702185906	R22201
RHEEM	7010132314	R31781
RHEEM	7010132315	R21781
RHEEM	7010201106	R32010
RHEEM	7010201107	R22204
RHEEM	70-102011-04	R22406
TRANE	D154218P38 / D154218P37	R22701
TRANE	D154229P01	R31901
TRANE	D154229P02	R31902

## Helpful Tip



**REVCOR FAN BLADES, WHICH ARE CUSTOM ENGINEERED FOR THE OEM, HELP MAINTAIN THE PROPER BALANCE BETWEEN ALL INTERNAL PARTS AND ENSURE THE MOST EFFICIENT OPERATION AFTER THE REPAIR.**



## KH/KC Fans



### Applications

- Commercial air conditioning and ventilation
- Air handlers
- Cooling towers
- Large unit heaters
- Agricultural applications

### Features

- 24 to 60 inch diameters
- Heavy-Gauge for added strength
- Steel spiders
- Rotation determined by viewing air-discharge side of fan
- Individually boxed
- 6 blade available
- Made in USA

Item ID	No. of Blades	Diameter (In.)	Pitch (°)	Rotation	Bore (In.)	Hub Location	Material	Max RPM	Industry No.	CSAir No.
<b>Revcor KH/KC Fans Hubless</b>										
R42408	4	24	28	CW	—	Hubless	GALV	1140	40200	42428
R42407	4	24	34	CW	—	Hubless	GALV	1140	40201	42434
R42603	4	26	28	CW	—	Hubless	GALV	1140	40202	42628
R42606	4	26	38	CW	—	Hubless	GALV	1140	40203	42638
R42801	4	28	34	CW	5/8	Discharge	GALV	1140	40396	F42834
R43002	4	30	22	CW	—	Hubless	GALV	1140	40205	43022
R43003	4	30	30	CW	5/8	Discharge	GALV	1140	40397	F43040
R43004	4	30	30	CW	—	Hubless	GALV	1140	40206	43030
R43601	4	36	32	CW	—	Hubless	GALV	850	40208	43632
R43602	4	36	34	CW	—	Hubless	GALV	850	40209	43634
R43603	4	36	38	CW	—	Hubless	GALV	850	40211	43638
R44201	4	42	30	CW	—	Hubless	GALV	850	40212	44230
R44202	4	42	38	CW	—	Hubless	GALV	850	40213	44238
R44801	4	48	38	CW	—	Hubless	GALV	700	40216	44838

\* Fan should be guarded before operating.

\* Tighten cap screws securely before operating.

## Swept Fans

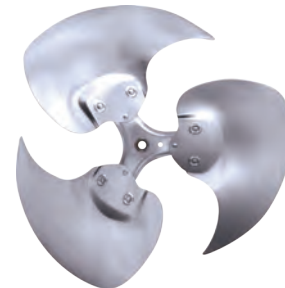
### Applications

- Commercial and residential condensers

### Features

- Carrier Replacement
- Up to 50% reduction in noise level
- Rotation is determined by viewing the discharge side of fan
- Made in USA

*Additional models available upon request*



Item ID	No. of Blades	Diameter (In.)	Pitch (°)	Rotation	Bore (In.)	Hub Position
<b>Revcor 2 Blade</b>						
R22405	2	24	27	CW	1/2	Intake
R22701	2	27	28	CCW	1/2	Intake

Item ID	No. of Blades	Diameter (In.)	Pitch (°)	Rotation	Bore (In.)	Hub Position
<b>Revcor 3 Blades</b>						
R32017	3	20	34	CW	1/2	Intake
R32603	3	26	19	CW	1/2	Intake
R32607	3	26	24	CW	1/2	Intake
R32610	3	26	28	CW	1/2	Intake



## Propellers With Fixed Hub - 3 Blades



### Applications

- Unitary condenser, heat pumps, unit heaters, ventilators and exhaust fans

### Features

- 14 to 30 inch diameters
- Highly embossed for added strength
- Factory balanced with 1/2 and 5/8 inch bores
- Steel spiders
- Individually boxed
- Aluminum fan blades unless otherwise specified
- Made in USA

*Additional blade options available upon request*

Item ID	No. of Blades	Diameter (In.)	Pitch (°)	Rotation	Bore (In.)	Hub Position	CSAir No.
<b>Revcor 3 Blades</b>							
R31403	3	14	32	CW	1/2	Discharge	F14323
R31404*	3	14	38	CW	1/2	Intake	
R31602	3	16	28	CW	1/2	Intake	F16283
R31603	3	16	30	CW	1/2	Intake	F16283
R31604	3	16	32	CCW	1/2	Intake	
R31781*	3	17.8	34	CCW	1/2	Intake	
R31801*	3	18	19	CW	1/2	Intake	
R31804	3	18	26	CW	1/2	Discharge	F18263
R31805	3	18	26	CCW	1/2	Intake	F18267
R31809	3	18	27	CW	1/2	Discharge	F18273
R31807*	3	18	27	CCW	1/2	Intake	
R31810*	3	18	27	CCW	1/2	Intake	
R31811	3	18	27	CW	1/2	Intake	
R31814*	3	18	30	CW	1/2	Intake	
R31815*	3	18	31	CCW	1/2	Intake	
R31816	3	18	32	CCW	1/2	Intake	
R31817	3	18	32	CW	1/2	Intake	
R31820	3	18	33	CW	1/2	Discharge	F16337
R31821	3	18	35	CW	1/2	Intake	
R31901	3	19	30	CCW	1/2	Intake	
R31902	3	19	32	CCW	1/2	Intake	
R32001	3	20	23	CW	1/2	Discharge	F20233
R32003*	3	20	26	CW	1/2	Intake	
R32004	3	20	26	CW	1/2	Intake	
R32008	3	20	28	CW	1/2	Intake	
R32009*	3	20	28	CCW	1/2	Intake	
R32010*	3	20	29	CCW	1/2	Intake	
R32014	3	20	31	CW	1/2	Discharge	F20313
R32201	3	22	19	CCW	1/2	Intake	
R32202*	3	22	20	CW	1/2	Intake	
R32203	3	22	20	CW	1/2	Intake	F22203

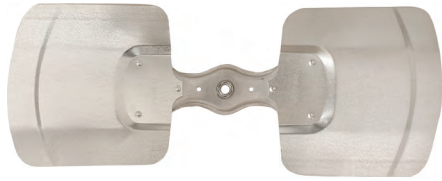
\*Note - Galvanized Fan Blades

Item ID	No. of Blades	Diameter (In.)	Pitch (°)	Rotation	Bore (In.)	Hub Position	CSAir No.
<b>Revcor 3 Blades</b>							
R32204	3	22	22	CCW	1/2	Intake	
R32207*	3	22	24	CW	1/2	Discharge	UT22243
R32205*	3	22	24	CW	1/2	Intake	
R32206	3	22	24	CW	1/2	Intake	F22243
R32208*	3	22	24	CW	1/2	Intake	
R32209	3	22	24	CCW	1/2	Intake	
R32212	3	22	27	CW	1/2	Intake	
R32213	3	22	28	CW	1/2	Intake	
R32214	3	22	28	CW	1/2	Intake	F22283
R32215*	3	22	28	CW	1/2	Intake	
R32216	3	22	28	CCW	1/2	Intake	
R32221	3	22	33	CW	1/2	Intake	F22333
R32401*	3	24	18	CW	1/2	Intake	
R32402*	3	24	19	CW	1/2	Intake	
R32403*	3	24	20	CW	1/2	Intake	
R32404	3	24	22	CW	1/2	Intake	F24223
R32405	3	24	22	CCW	1/2	Intake	F24227
R32406*	3	24	24	CW	1/2	Intake	
R32409*	3	24	26	CW	1/2	Intake	
R32410	3	24	30	CW	1/2	Intake	F24303
R32601*	3	26	15	CW	1/2	Intake	
R32602	3	26	18	CW	1/2	Intake	
R32604	3	26	20	CCW	1/2	Intake	
R32605*	3	26	21	CW	1/2	Intake	
R32606*	3	26	24	CW	1/2	Intake	
R32608	3	26	26	CW	1/2	Discharge	F26263
R32609	3	26	27	CW	1/2	Intake	F26273
R33001	3	30	30	CW	5/8	Discharge	

\*Note - Galvanized Fan Blades



## Propellers With Fixed Hub - 2, 4 And 5 Blades



### Applications

- Unitary condensers, heat pumps, unit heaters, ventilators and exhaust fans

### Features

- 14 to 30 inch diameters
- Highly embossed for added strength
- Factory balanced
- Steel spiders
- Individually boxed
- Aluminum fan blades unless otherwise specified
- Made in USA

Additional blade options available upon request

### Pitch Gauge



See page 202

Item ID	No. of Blades	Diameter (In.)	Pitch (°)	Rotation	Bore (In.)	Hub Position	CSAir No.
<b>Revcor 2 Blade</b>							
R21402	2	14	36	CW	1/2	Discharge	F14361
R21401	2	14	36	CCW	1/2	Intake	F14362
R21781*	2	17.8	31	CCW	1/2	Intake	
R21801	2	18	20	CW	1/2	Intake	
R21802	2	18	24	CW	1/2	Intake	F18241
R21803	2	18	29	CCW	1/2	Intake	F18292
R21804	2	18	29	CW	1/2	Intake	F18291
R21805	2	18	33	CCW	1/2	Intake	
R22001	2	20	20	CW	1/2	Intake	
R22002	2	20	24	CW	1/2	Intake	
R22003	2	20	29	CCW	1/2	Intake	F20292
R22201*	2	22	22	CCW	1/2	Intake	F22222
R22202	2	22	27	CCW	1/2	Intake	F22272
R22203*	2	22	29	CCW	1/2	Intake	F22292
R22204*	2	22	35	CCW	1/2	Intake	
R22401*	2	24	16	CW	1/2	Intake	
R22402*	2	24	18	CW	1/2	Intake	
R22403	2	24	24	CCW	1/2	Intake	F24242
R22404	2	24	27	CCW	1/2	Intake	
R22406*	2	24	31	CCW	1/2	Intake	

\*Note - Galvanized Fan Blades

Item ID	No. of Blades	Diameter (In.)	Pitch (°)	Rotation	Bore (In.)	Hub Position	CSAir No.
<b>Revcor 4 Blade</b>							
R41607	4	16	33	CW	1/2	Discharge	F16334
R41805*	4	18	27	CCW	1/2	Intake	
R41808	4	18	30	CW	1/2	Intake	F18304
R41811	4	18	33	CW	1/2	Discharge	F18334
R41812	4	18	34	CCW	1/2	Intake	
R42009	4	20	33	CW	1/2	Intake	F20334
R42010	4	20	36	CW	1/2	Intake	F20364
R42201*	4	22	22	CCW	1/2	Intake	
R42205	4	22	24	CW	1/2	Discharge	F22244
R42204	4	22	24	CCW	1/2	Intake	
R42206	4	22	26	CW	1/2	Intake	F22264
R42209*	4	22	28	CCW	1/2	Intake	
R42210	4	22	32	CCW	1/2	Intake	
R42212	4	22	33	CCW	1/2	Intake	F22338
R42404	4	24	27	CCW	1/2	Discharge	F24278
R42604	4	26	30	CW	5/8	Discharge	F26304
R43001	4	30	22	CW	5/8	Intake	F30224
<b>Revcor 5 Blade</b>							
R51803	5	18	33	CW	1/2	Discharge	F18335

\*Note - Galvanized Fan Blades



## Hubless Propellers



### Applications

- Air conditioning condensers, power roof ventilators, heat pumps, heat exchangers, unit heaters, commercial and industrial equipment

### Features

- 10 to 26 inch diameter available
- Steel spiders
- Highly embossed for added strength
- For motor speeds up to 1625 RPM
- Use with interchangeable hubs
- Individually boxed
- Aluminum fan blades
- Made in USA

Additional blade options available upon request

Item ID	No. of Blades	Diameter (In.)	Pitch (°)	Rotation	CSAir No.
<b>Revcor 3 Blade</b>					
R31201	3	12	19	CW	12193
R31202	3	12	27	CW	12273
R31401	3	14	23	CW	14233
R31402	3	14	27	CW	14273
R31601	3	16	23	CW	
R31802	3	18	23	CCW	18237
R31803	3	18	23	CW	18233
R31806	3	18	27	CCW	18277
R31808	3	18	27	CW	18273
R31812	3	18	30	CCW	18307
R31813	3	18	30	CW	18303
R31818	3	18	33	CCW	18337
R31819	3	18	33	CW	18333
R32002	3	20	24	CW	20243
R32005	3	20	27	CW	
R32006	3	20	28	CCW	22333
R32007	3	20	28	CW	
R32011	3	20	30	CW	24289
R32012	3	20	31	CCW	24335
R32013	3	20	31	CW	
R32015	3	20	33	CCW	20337
R32016	3	20	33	CW	20333
R32210	3	22	27	CCW	22277
R32211	3	22	27	CW	22273
R32217	3	22	30	CCW	22307
R32218	3	22	30	CW	22303
R32219	3	22	33	CCW	22337
R32220	3	22	33	CW	22333
R32407	3	24	26	CCW	24267
R32408	3	24	26	CW	24263
R32411	3	24	33	CW	

## Hubs With Set Screws & Mtg Screws



Item ID	Bore (In.)	Set Screws
<b>Packard</b>		
H60765801	1/4	1
H60765802	5/16	1
H60765803	3/8	1
H60765804	1/2	2
H60765805	5/8	2
H60765806	3/4	2

## Shafts

### 1018 Cold Rolled Steel Ground & Polished



Item ID	Diameter (In.)	Length (In.)
<b>Packard</b>		
S38220501	5/8	20
S38209601	3/4	20
S38269301	3/4	35
S38209501	1	25
S38249201	1	35





## Hubless Propellers



### Applications

- Air conditioning condensers, power roof ventilators, heat pumps, heat exchangers, unit heaters, commercial and industrial equipment

### Features

- 10 to 26 inch diameter
- Steel spiders
- Highly embossed for added strength
- For motor speeds up to 1625 RPM
- Use with interchangeable hubs
- Individually boxed
- Aluminum fan blades
- Made in USA

*Additional blade options available upon request*

Item ID	No. of Blades	Diameter (In.)	Pitch (°)	Rotation	CSAir No.
<b>Revcor 4 Blade</b>					
R41001	4	10	27	CW	10274
R41201	4	12	23	CCW	12238
R41202	4	12	23	CW	12234
R41203	4	12	27	CCW	12268
R41204	4	12	27	CW	12264
R41205	4	12	33	CW	12334
R41401	4	14	23	CCW	14238
R41403	4	14	23	CW	14234
R41404	4	14	23	CW	
R41405	4	14	27	CCW	14268
R41406	4	14	27	CW	14264
R41407	4	14	33	CW	14334
R41601	4	16	23	CCW	16238
R41602	4	16	23	CW	16234
R41603	4	16	27	CCW	16268
R41604	4	16	27	CW	16264
R41605	4	16	33	CCW	16338
R41606	4	16	33	CW	16334
R41801	4	18	19	CW	18194
R41802	4	18	23	CCW	18248
R41803	4	18	23	CW	18244
R41804	4	18	27	CCW	18278
R41806	4	18	27	CW	18274
R41807	4	18	30	CCW	18308
R41809	4	18	33	CCW	18338
R41810	4	18	33	CW	18334
R42001	4	20	23	CCW	20238
R42002	4	20	23	CW	20234
R42003	4	20	27	CCW	20268
R42004	4	20	27	CW	20264
R42005	4	20	29	CCW	20298
R42006	4	20	29	CW	20294
R42007	4	20	33	CCW	20338
R42008	4	20	33	CW	20334
R42202	4	22	23	CCW	22238
R42203	4	22	23	CW	22234
R42207	4	22	27	CCW	22278
R42208	4	22	27	CW	22274
R42211	4	22	33	CW	22334
R42213	4	22	35	CW	22354
R42401	4	24	23	CCW	24238
R42402	4	24	23	CW	24234
R42403	4	24	27	CCW	24278
R42405	4	24	27	CW	24274
R42406	4	24	33	CW	24324
R42601	4	26	24	CW	26244
R42602	4	26	27	CW	26274
R42605	4	26	33	CW	26334



Item ID	No. of Blades	Diameter (In.)	Pitch (°)	Rotation	CSAir No.
<b>Revcor 5 Blade</b>					
R51601	5	16	27	CCW	20333
R51602	5	16	33	CW	F16335
R51801	5	18	27	CCW	18279
R51802	5	18	27	CW	18275
R52201	5	22	33	CW	22335
R52401	5	24	27	CW	18307
R52402	5	24	33	CW	24335



Scan for Durability  
Demonstration

## 3-Blade Propellers Heavy Duty Condenser Style



### Applications

- Air conditioning condensers
- Power roof ventilators
- Heat pumps
- Heat exchangers
- Roof top air conditioners
- Commercial and industrial equipment
- Unit heaters
- Agricultural ventilating equipment
- Walk-in refrigeration units
- General cooling/heating applications

### Features

- 3-blade configuration is normally used in low pressure applications.
- Square pressure-type blades are required for most condenser applications.
- High quality aluminum blades.
- Interchangeable hubs available from 1/4" through 3/4" bore, may be attached on either intake or discharge side.
- Pitches available for most common horsepower and motor speeds up to 1725 RPM in both CW and CCW rotations.

Item ID	Diameter (In.)	Pitch (°)	Rotation	Bore (In.)	Hub Position	Pack
<b>Lau 3 Blades Heavy Duty Condenser Style</b>						
L60716101	12	19	CW		Interchangeable	2
L60716201	12	19	CCW		Interchangeable	2
L60716301	12	23	CW		Interchangeable	2
L60716401	12	23	CCW		Interchangeable	2
L60716501	14	23	CW		Interchangeable	2
L60716601	14	23	CCW		Interchangeable	2
L60716701	14	27	CW		Interchangeable	2
L60716801	14	27	CCW		Interchangeable	2
L60716901	16	19	CW		Interchangeable	2
L60717001	16	19	CCW		Interchangeable	2
L60717101	16	23	CW		Interchangeable	2
L60717201	16	23	CCW		Interchangeable	2
L612980001	16	27	CCW		Interchangeable	2
L60556001	18	23	CCW		Interchangeable	2
L6130610001	18	26	CW	1/2	Discharge	2
L60556101	18	27	CW		Interchangeable	2
L60556201	18	27	CCW		Interchangeable	2
L60556301	18	33	CW		Interchangeable	2
L60556401	18	30	CCW		Interchangeable	2
L60556501	18	33	CW		Interchangeable	2
L60556601	18	33	CCW		Interchangeable	2
L6130620001	18	35	CCW	1/2	Intake	2
L6129820001	20	24	CCW		Interchangeable	2
L60999001	20	25	CCW	1/2	Intake	2
L60556701	20	27	CW		Interchangeable	2
L60556801	20	27	CCW		Interchangeable	2
L60556901	20	30	CW		Interchangeable	2
L60557001	20	30	CCW		Interchangeable	2
L6130630001	20	31	CW	1/2	Discharge	2
L60557101	20	33	CW		Interchangeable	2
L60557201	20	33	CCW		Interchangeable	2
L6130640001	22	24	CW	1/2	Intake	2
L60557301	22	27	CW		Interchangeable	2
L60557401	22	27	CCW		Interchangeable	2
L6130650001	22	28	CW	1/2	Intake	2
L60557501	22	33	CW		Interchangeable	2
L60557601	22	33	CCW		Interchangeable	2
L6131430001	24	22	CW	1/2	Intake	2
L60557701	24	27	CW		Interchangeable	2
L60557801	24	27	CCW		Interchangeable	2
L60557901	24	33	CW		Interchangeable	2
L60558001	24	33	CCW		Interchangeable	2
L6129910001	26	33	CW		Interchangeable	1
L6130660001	26	37	CW	1/2	Intake	1
L6129930001	30	27	CW		Interchangeable	1

## 4-Blade Propellers Heavy Duty Condenser Style



### Applications

- Condensing units, general building and agricultural ventilation fans

### Features

- High strength aluminum blades with corrosion resistant center spiders

Item ID	Diameter (In.)	Pitch (°)	Rotation	Bore (In.)	Hub Position	Pack
<b>Lau 4 Blades Heavy Duty Condenser Style</b>						
L60717301	10	19	CW		Interchangeable	2
L60717401	10	19	CCW		Interchangeable	2
L60717501	10	23	CW		Interchangeable	2
L60717601	10	23	CCW		Interchangeable	2
L60717701	10	27	CW		Interchangeable	2
L60717801	10	27	CCW		Interchangeable	2
L60759901	10	33	CW		Interchangeable	2
L60760001	10	33	CCW		Interchangeable	2
L60717901	12	19	CW		Interchangeable	2
L60718001	12	19	CCW		Interchangeable	2
L60718101	12	23	CW		Interchangeable	2
L60718201	12	23	CCW		Interchangeable	2
L60718301	12	27	CW		Interchangeable	2
L60718401	12	27	CCW		Interchangeable	2
L60760101	12	33	CW		Interchangeable	2
L60760201	12	33	CCW		Interchangeable	2
L6130000001	14	16	CCW		Interchangeable	2
L60718501	14	19	CW		Interchangeable	2
L60718601	14	19	CCW		Interchangeable	2
L60718701	14	23	CW		Interchangeable	2
L60718801	14	23	CCW		Interchangeable	2
L60718901	14	27	CW		Interchangeable	2
L60719001	14	27	CCW		Interchangeable	2
L60760301	14	33	CW		Interchangeable	2
L60760401	14	33	CCW		Interchangeable	2
L60719101	16	19	CW		Interchangeable	2
L60719201	16	19	CCW		Interchangeable	2
L60719401	16	23	CCW		Interchangeable	2
L60719501	16	27	CW		Interchangeable	2
L60719601	16	27	CCW		Interchangeable	2
L60760501	16	33	CW		Interchangeable	2
L60760601	16	33	CCW		Interchangeable	2
L60800201	18	23	CW		Interchangeable	2
L60800301	18	23	CCW		Interchangeable	2
L60558101	18	27	CW		Interchangeable	2
L60558201	18	27	CCW		Interchangeable	2
L60558301	18	30	CW		Interchangeable	2

Item ID	Diameter (In.)	Pitch (°)	Rotation	Bore (In.)	Hub Position	Pack
<b>Lau 4 Blades Heavy Duty Condenser Style</b>						
L60558401	18	30	CCW		Interchangeable	2
L60558501	18	33	CW		Interchangeable	2
L60558601	18	33	CCW		Interchangeable	2
L60800401	20	23	CW		Interchangeable	2
L60800501	20	23	CCW		Interchangeable	2
L60558701	20	27	CW		Interchangeable	2
L60558801	20	27	CCW		Interchangeable	2
L60558901	20	30	CW		Interchangeable	2
L60559001	20	30	CCW		Interchangeable	2
L60559101	20	33	CW		Interchangeable	2
L60559201	20	33	CCW		Interchangeable	2
L60804101	22	23	CW		Interchangeable	2
L60804201	22	23	CCW		Interchangeable	2
L60559301	22	27	CW		Interchangeable	2
L60559401	22	27	CCW		Interchangeable	2
L60841201	22	30	CW	1/2	Discharge	2
L60559501	22	33	CW		Interchangeable	2
L60559601	22	33	CCW		Interchangeable	2
L6130190001	24	18	CW		Interchangeable	2
L60804301	24	23	CW		Interchangeable	2
L60804401	24	23	CCW		Interchangeable	2
L60841701	24	23	CCW	1/2	Intake	2
L60559701	24	27	CW		Interchangeable	2
L60559801	24	27	CCW		Interchangeable	2
L60559901	24	33	CW		Interchangeable	2
L60560001	24	33	CCW		Interchangeable	2
L60760701	26	24	CW		Interchangeable	1
L60760801	26	24	CCW		Interchangeable	1
L60760901	26	27	CW		Interchangeable	1
L60761001	26	27	CCW		Interchangeable	1
L60997201	26	32	CW	5/8	Discharge	1
L60761101	26	33	CW		Interchangeable	1
L60761201	26	33	CCW		Interchangeable	1
L61017601	28	25	CW	5/8	Discharge	1
L6131250001	30	27	CW		Interchangeable	1
L6127290001	30	30	CW	5/8	Discharge	1
L6131260001	30	33	CCW		Interchangeable	1
L6131270001	30	33	CW		Interchangeable	1

## 2-Blade Propellers OEM Style With Fixed Hub



### Applications

- For lower static pressure condensing units.
- Well-known OEMs such as, G.E., Rheem-Rudd, Singer-Climate Control, Trane, etc.

### Features

- 14 to 24 inch Diameter
- High strength aluminum blades
- Each blade clearly labeled as to Pitch, Diameter, Rotation, and Maximum RPM
- Top quality, epoxy painted spiders with high salt spray characteristics
- Steel fixed hub - 1/2 " bore - exact propellers as supplied to OEMs

Item ID	Diameter (In.)	Pitch (°)	Rotation	Bore (In.)	Hub Position	Pack
<b>Lau 2 Blades OEM-Style with Fixed Hub</b>						
L6130470001	14	32	CW	1/2	Discharge	2
L6130500001	18	24	CW	1/2	Intake	2
L60772501	18	28	CCW	1/2	Intake	2
L6130510001	18	29	CW	1/2	Intake	2
L60652101	18	32	CCW	1/2	Intake	2
L6130520001	18	36	CW	1/2	Intake	2
L60772601	20	28	CCW	1/2	Intake	2
L6130560001	20	28	CW	1/2	Intake	2
L60772701	22	16	CCW	1/2	Intake	2
L60814201	22	27	CCW	1/2	Intake	2
L6130570001	24	19	CCW	1/2	Intake	2
L61040201	24	22	CCW	1/2	Intake	2
L6130580001	24	24	CCW	1/2	Intake	2
L60772801	24	27	CCW	1/2	Intake	2

## 5-Blade Propellers Heavy Duty Condenser Style



### Applications

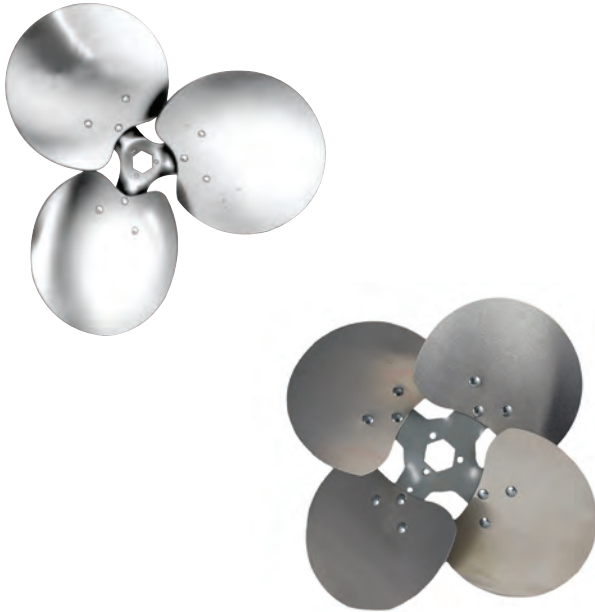
- Industrial air circulators, exhaust fan units and large condensing units

### Features

- High quality aluminum blades with corrosion resistant center spiders

Item ID	Diameter (In.)	Pitch (°)	Rotation	Hub Position	Pack
<b>Lau 5 Blades Heavy Duty Condenser Style</b>					
L60720101	10	27	CW	Interchangeable	2
L60720201	10	27	CCW	Interchangeable	2
L60720401	12	19	CW	Interchangeable	2
L60720501	12	23	CW	Interchangeable	2
L60720601	12	23	CCW	Interchangeable	2
L60720701	12	27	CW	Interchangeable	2
L60720801	12	27	CCW	Interchangeable	2
L60721101	14	23	CW	Interchangeable	2
L60721201	14	23	CCW	Interchangeable	2
L60721301	14	27	CW	Interchangeable	2
L60721401	14	27	CCW	Interchangeable	2
L60560101	16	27	CW	Interchangeable	2
L60560201	16	27	CCW	Interchangeable	2
L60560301	16	33	CW	Interchangeable	2
L60560401	16	33	CCW	Interchangeable	2
L60560501	18	27	CW	Interchangeable	2
L60560601	18	27	CCW	Interchangeable	2
L60560901	20	27	CW	Interchangeable	2
L60561001	20	27	CCW	Interchangeable	2
L60561101	20	33	CW	Interchangeable	2
L60561201	20	33	CCW	Interchangeable	2
L60561301	22	27	CW	Interchangeable	2
L60561401	22	27	CCW	Interchangeable	2
L60561501	22	33	CW	Interchangeable	2
L60561601	22	33	CCW	Interchangeable	2
L60561701	24	27	CW	Interchangeable	2
L60561801	24	27	CCW	Interchangeable	2
L60561901	24	33	CW	Interchangeable	2
L60562001	24	33	CCW	Interchangeable	2
L60761301	26	27	CW	Interchangeable	1
L60761401	26	27	CCW	Interchangeable	1
L60761501	26	33	CW	Interchangeable	1
L60761601	26	33	CCW	Interchangeable	1
L6130420001	30	29	CCW	Interchangeable	1

## 3-Blade And 4-Blade Propellers Free Air Style



### Applications

- Pedestal and window fans, air circulators

### Features

- Designed for free air, low pressure applications
- High quality, rounded aluminum blades for maximum free air delivery with minimum noise levels
- Pitches available for most common HP and motor speeds
- Hubs attached on either the intake or discharge side

Item ID	Diameter (In.)	Pitch (°)	Rotation	Hub Position	Pack
<b>Lau 3 Blades Free Air Style</b>					
L60265201	10	27	CW	Interchangeable	2
L60265301	10	27	CCW	Interchangeable	2
L60265401	12	23	CW	Interchangeable	2
L60265501	12	23	CCW	Interchangeable	2
L60265801	14	23	CW	Interchangeable	2
L60265901	14	23	CCW	Interchangeable	2
L60266201	16	23	CW	Interchangeable	2
L60266301	16	23	CCW	Interchangeable	2
L60555901	18	23	CW	Interchangeable	2
L60556001	18	23	CCW	Interchangeable	2
L60267001	20	23	CW	Interchangeable	2
L60267101	20	23	CCW	Interchangeable	2
L60267601	24	18	CW	Interchangeable	2

Item ID	Diameter (In.)	Pitch (°)	Rotation	Hub Position	Pack
<b>Lau 4 Blades Free Air Style</b>					
L60269301	10	23	CW	Interchangeable	2
L60269401	10	23	CCW	Interchangeable	2
L60262201	12	23	CW	Interchangeable	2
L60262301	12	23	CCW	Interchangeable	2
L60262801	14	27	CW	Interchangeable	2
L60262901	14	27	CCW	Interchangeable	2
L60555301	18	23	CW	Interchangeable	2
L60555401	18	23	CCW	Interchangeable	2
L60555501	18	27	CW	Interchangeable	2
L60555601	18	27	CCW	Interchangeable	2
L60263801	20	23	CW	Interchangeable	2
L60263901	20	23	CCW	Interchangeable	2
L60264001	20	27	CW	Interchangeable	2
L60264101	20	27	CCW	Interchangeable	2
L60285301	20	33	CW	Interchangeable	2
L60285401	20	33	CCW	Interchangeable	2
L60562101	24	18	CW	Interchangeable	2
L60562201	24	18	CCW	Interchangeable	2
L60562301	24	23	CW	Interchangeable	2
L60562401	24	23	CCW	Interchangeable	2
L60562501	24	27	CW	Interchangeable	2
L60562601	24	27	CCW	Interchangeable	2

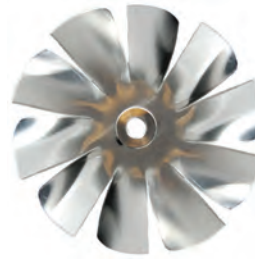
## Small Aluminum Fan Blades With Hubs



4 Blades



5 Blades



10 Blades



FB99100

Item ID	Diameter (In.)	Blades	Hub Location	Bore	Pitch (°)	Rotation
<b>Packard</b>						
A61948	2	10	Intake	3/16	12	CW
A61949	2 1/2	10	Intake	3/16	20	CW
A61950	3	10	Intake	3/16	24	CW
A61954	3	10	Intake	1/4	30	CW
A61951	3 1/2	10	Intake	3/16	27	CW
A61955	3 1/2	10	Intake	1/4	40	CW
A61952	4	10	Intake	3/16	28	CW
A61003	4	10	Intake	3/16	28	CW
A61956	4	10	Intake	1/4	30	CW
A61465	4 1/2	10	Intake	3/16	30	CW
A61467	5	10	Intake	3/16	35	CW
A61468	5	10	Intake	1/4	40	CW
A61473	5 1/2	4	Intake	1/4	19	CW
A61474	5 1/2	4	Intake	3/16	19	CW
A61476	5 1/2	4	Intake	3/16	19	CCW
A64550	5 1/2	4	Intake	3/16	19	CW
A64455	5 1/2	4	Intake	3/16	24	CCW
A65503	5 1/2	5	Intake	5/16	27	CW
A65504	5 1/2	5	Intake	1/4	27	CW
A65513	5 1/2	5	Intake	5/16	27	CCW
A65515	5 1/2	5	Intake	1/4	27	CCW
A61469	6	4	Intake	3/16	19	CW
A61470	6	4	Intake	1/4	19	CW
A65125	6	4	Intake	1/4	19	CW
A60604	6	5	Intake	1/4	27	CW
A60614	6	5	Intake	1/4	27	CCW
A65632	6	5	Intake	5/16	27	CW
A65633	6	5	Intake	5/16	27	CCW
A65131	6	5	Intake	5/16	30	CW
A65225	6	5	Discharge	1/4	30	CCW
A65231	6	5	Discharge	5/16	30	CCW
A61471	6 1/2	4	Intake	3/16	19	CW
A61472	6 1/2	4	Intake	1/4	19	CW
A64650	6 1/2	4	Intake	1/4	19	CW
A66504	6 1/2	5	Intake	1/4	27	CW
A63473	7	5	Intake	1/4	21	CW
A60704	7	5	Intake	1/4	27	CW
A60714	7	5	Intake	1/4	27	CCW
A65732	7	5	Intake	5/16	27	CW
A75131	7	5	Intake	5/16	40	CW
A75225	7	5	Discharge	1/4	40	CCW
A75231	7	5	Discharge	5/16	40	CCW

Item ID	Diameter (In.)	Blades	Hub Location	Bore	Pitch (°)	Rotation
<b>Packard</b>						
A63475	8	5	Intake	1/4	23	CW
A63841	8	5	Discharge	1/4	24	CW
A65825	8	5	Intake	1/4	27	CW
A65826	8	5	Intake	1/4	27	CCW
A65832	8	5	Intake	5/16	27	CW
A65833	8	5	Intake	5/16	27	CCW
A85131	8	5	Intake	5/16	30	CW
A60804	8	5	Intake	1/4	36	CW
A60805	8	5	Intake	5/16	36	CW
A60814	8	5	Intake	1/4	36	CCW
A60815	8	5	Intake	5/16	36	CCW
A85225	8	5	Discharge	1/4	40	CCW
A85231	8	5	Discharge	5/16	40	CCW
A63477	9	5	Intake	1/4	25	CW
A65925	9	5	Intake	1/4	26	CW
A65926	9	5	Intake	1/4	26	CCW
A65932	9	5	Intake	5/16	26	CW
A65933	9	5	Intake	5/16	26	CCW
A95131	9	5	Intake	5/16	30	CW
A95225	9	5	Discharge	1/4	30	CCW
A95231	9	5	Discharge	5/16	30	CCW
A65105	10	5	Intake	1/4	20	CCW
A65104	10	5	Intake	1/4	20	CW
A65133	10	5	Intake	5/16	20	CCW
A65132	10	5	Intake	5/16	20	CW
A63479	10	5	Intake	1/4	28	CW
A15225	10	5	Discharge	1/4	30	CCW
A61322	10	5	Intake	5/16	30	CCW
A61323	10	5	Discharge	5/16	30	CCW
A61312	10	5	Intake	5/16	30	CW
A61015	10	5	Intake	5/16	40	CCW
A61005	10	5	Intake	5/16	40	CW
A65123	12	5	Discharge	5/16	23	CW
A61215	12	5	Intake	5/16	24	CCW
A61216	12	5	Discharge	5/16	24	CCW
A61205	12	5	Intake	5/16	24	CW
FB99100	12	5	Discharge	1/2	33	CW
A61405	14	5	Intake	5/16	19	CW
A65145	14	5	Intake	1/2	32	CW

## Small Aluminum Fan Blades - Hubless



5 Blades



6 Blades

Item ID	Diameter (In.)	Blades	Pitch (°)	Rotation
<b>Packard</b>				
A61101	6	5	21	CW
A61102	6	5	21	CCW
A63607	6	5	30	CW
A63617	6	5	30	CCW
A61608	6 3/4	5	21	CW
A61618	6 3/4	5	21	CCW
A67513	6 3/4	5	30	CW
A67523	6 3/4	5	30	CCW
A63474	7	5	21	CW
A61103	7	5	25	CW
A61104	7	5	25	CCW
A63707	7	5	31	CW
A63717	7	5	31	CCW
A75221	7	5	40	CCW
A63100	7 3/4	5	22	CW
A65751	7 3/4	5	22	CCW
A77551	7 3/4	5	40	CW
A77552	7 3/4	5	40	CCW
A63806	8	5	22	CW
A63816	8	5	22	CCW
A63476	8	5	30	CW
A63807	8	5	30	CW
A63817	8	5	30	CCW
A61831	8	5	31	CW
A61835	8	5	35	CW
A61837	8	5	37	CCW
A85223	8	5	40	CCW
A61807	8 3/4	5	30	CW
A61817	8 3/4	5	30	CCW
A87513	8 3/4	5	30	CW
A87523	8 3/4	5	30	CCW
A63906	9	5	25	CW
A63916	9	5	25	CCW
A63917	9	5	30	CCW
A63907	9	5	31	CW
A63116	10	5	25	CCW
A63126	10	5	25	CW
A61480	10	5	28	CW
A61108	10	5	30	CW
A61481	10	5	30	CCW
A63117	10	5	30	CCW
A85150	8	6	50	CW
A85250	8	6	50	CCW

## Plastic Fan Blades



Item ID	Diameter (In.)	Number of Blades	Rotation	Bore (In.)	Replaces Notes
<b>Packard</b>					
A61299	2 1/2	4	CW	3/16	
A61300	3	4	CW	1/8	
A61301	3	4	CW	3/16	
A61302	3 1/2	4	CCW	3/16	
A61353	4	4	CCW	Hub	
A61406	4	4	CW	1/8	
A61408	4	4	CW	3/16	
A61550	5 1/2	4	CCW	3/16	
A61551	5 1/2	4	CW	3/16	
A61602	6	4	CW	1/4	
A61603	6	4	CW	5/16	
A61604	6	4	CCW	3/16	
A61605	6	4	CCW	1/4	
A61606	6	4	CCW	5/16	
A61401	4	5	CW	1/8	
A61402	4	5	CW	3/16	
A61403	4	5	CCW	1/8	
A61404	4	5	CCW	3/16	
A61501	5	5	CW	3/16	
A61502	5	5	CW	1/4	
A61503	5	5	CW	5/16	
A61504	5	5	CCW	3/16	
A61505	5	5	CCW	1/4	
A61506	5	5	CCW	5/16	
A61455	5 9/16	5	CCW	3/16	
A61650	6 1/2	5	CW	3/16	
A61651	6 1/2	5	CW	1/4	
A61652	6 1/2	5	CW	5/16	
A61660	6 5/8	5	CW	7/32	D-STYLE BORE
A61665	6 5/8	5	CW	7/32	D-STYLE BORE
A61701	7	5	CW	1/4	
A61703	7	5	CCW	1/4	
A61718	7	5	CW	Hub	Gemline FB718
A61801	8	5	CW	1/4	
A61802	8	5	CW	5/16	
A61601	6	6	CW	3/16	

\*Note - Additional blades available upon request.



## Universal Single Inlet Blower Wheels



Strip Wheels



Tab Lock

### Applications

- Draft inducers, power venting, small appliances, heating, ventilation, air conditioning, convectors, appliances, kitchen and bath exhaust

### Features

- 5 1/4" to 12 5/8" Diameters
- Embossed backs for added strength
- Factory Balanced
- Individually Boxed
- Variety of Materials Available
- Made in USA
- Additional blower wheels available upon request

Item ID	Dia. (In.)	Width (In.)	Rotation	Bore (In.)	Max RPM	Material	Hub Location	Lock Type	Replaces
<b>Revcor</b>									
RBW30100	3	1	CW	5/16	7500	Aluminum	Inside	Strip Wheels	
RBW30101	3	1 7/8	CW	5/16	5000	Alum. Steel	Inside	Strip Wheels	
RBW30102	3	1 7/8	CCW	5/16	5000	Alum. Steel	Inside	Strip Wheels	
RBW30103	3 13/16	1 1/8	CCW	1/4	5800	Alum. Steel	Inside	Tab Lock	
RBW30104	3 13/16	1 1/4	CW	1/2	8350	Galvanized	Inside	Tab Lock	
RBW30105	3 13/16	1 1/4	CCW	1/2	8350	Galvanized	Inside	Tab Lock	
RBW30106	3 13/16	1 1/2	CW	5/16	8350	Alum. Steel	Inside	Strip Wheels	
RBW30107	3 13/16	1 1/2	CCW	5/16	8350	Alum. Steel	Inside	Strip Wheels	
RBW30109	3 13/16	1 7/8	CW	5/16	5000	Galvanized	Inside	Strip Wheels	
RBW30110	3 13/16	1 7/8	CCW	5/16	5000	Galvanized	Inside	Strip Wheels	
RBW30111	3 13/16	2 1/16	CW	5/16	5000	Galvanized	Inside	Strip Wheels	
RBW30112	3 13/16	2 1/16	CCW	5/16	5000	Galvanized	Inside	Strip Wheels	
RBW30108	3 13/16	1 5/8	CCW	5/16	7200	Galvanized	Inside	Tab Lock	
RBW30115	3 13/16	2 1/4	CW	5/16	5375	Alum. Steel	Inside	Tab Lock	
RBW30116	3 13/16	2 1/4	CCW	5/16	5375	Alum. Steel	Inside	Tab Lock	
RBW30117	3 13/16	2 1/2	CW	5/16	5000	Galvanized	Inside	Strip Wheels	
RBW30118	3 13/16	2 1/2	CCW	5/16	5000	Galvanized	Inside	Strip Wheels	
RBW40101*	4	1 1/2	CCW	5/16	5800	Alum. Steel	Inside	Tab Lock	40564
RBW40102*	4	2 1/2	CCW	1/4	3600	Galvanized	Inside	Tab Lock	
RBW40103	4 1/4	2 1/2	CW	3/8	4500	Alum. Steel	Inside	Strip Wheels	
RBW40104	4 1/4	2 1/2	CCW	3/8	4500	Alum. Steel	Inside	Strip Wheels	
RBW40105	4 1/4	2 15/16	CCW	1/4	4500	Galvanized	Inside	Strip Wheels	
RBW40106	4 1/4	2 15/16	CW	1/4	4500	Galvanized	Inside	Strip Wheels	
RBW40107	4 1/4	2 15/16	CCW	5/16	4500	Galvanized	Inside	Strip Wheels	
RBW40108	4 1/4	2 15/16	CW	5/16	4500	Galvanized	Inside	Strip Wheels	
RBW40109	4 3/4	2 1/16	CCW	1/2	3600	Galvanized	Inside	Strip Wheels	
RBW40110	4 3/4	2 1/16	CW	1/2	3600	Galvanized	Inside	Strip Wheels	
RBW40111	4 3/4	2 1/2	CCW	1/2	3600	Alum. Steel	Inside	Strip Wheels	
RBW40112	4 3/4	2 1/2	CCW	1/2	3600	Galvanized	Inside	Strip Wheels	
RBW40113	4 3/4	2 1/2	CW	1/2	3600	Galvanized	Inside	Strip Wheels	
RBW40114	4 3/4	2 1/2	CCW	5/16	3600	Galvanized	Inside	Strip Wheels	
RBW40115	4 3/4	2 1/2	CW	5/16	3600	Galvanized	Inside	Strip Wheels	
RBW40117	4 3/4	2 15/16	CCW	5/16	3600	Galvanized	Inside	Strip Wheels	
RBW40118	4 3/4	2 15/16	CW	5/16	3600	Galvanized	Inside	Strip Wheels	
RBW40119	4 3/4	2 15/16	CCW	1/2	3600	Galvanized	Inside	Strip Wheels	
RBW40120	4 3/4	2 15/16	CW	1/2	3600	Galvanized	Inside	Strip Wheels	
RBW40121	4 3/4	3 7/16	CCW	1/2	3600	Galvanized	Inside	Strip Wheels	
RBW40122	4 3/4	3 7/16	CW	1/2	3600	Galvanized	Inside	Strip Wheels	
RBW40123	4 13/16	1 1/8	CW	5/16	7400	Galvanized	Inside	Tab Lock	
RBW40124	4 13/16	1 1/8	CCW	5/16	7400	Galvanized	Inside	Tab Lock	
RBW50100	5 1/16	2 1/2	CW	1/2	4000	Galvanized	Inside	Tab Lock	
RBW50101	5 1/16	2 7/8	CW	1/2	3500	Galvanized	Inside	Tab Lock	
RBW50102	5 1/16	3	CW	5/16	3300	Alum. Steel	Inside	Tab Lock	
RBW50103	5 1/4	2 1/16	CW	1/2	3600	Galvanized	Inside	Strip Wheels	
RBW50104	5 1/4	2 1/16	CCW	1/2	3600	Galvanized	Inside	Strip Wheels	

\*1/2" Deep conic back plate





## Universal Single Inlet Blower Wheels



Strip Wheels



Tab Lock

### Applications

- Draft inducers, power venting, small appliances, heating, ventilation, air conditioning, convectors, appliances, kitchen and bath exhaust

### Features

- 5 1/4" to 12 5/8" Diameters
- Embossed backs for added strength
- Factory Balanced
- Individually Boxed
- Variety of Materials Available
- Made in USA
- Additional blower wheels available upon request

Item ID	Dia. (In.)	Width (In.)	Rotation	Bore (In.)	Max RPM	Material	Hub Location	Lock Type	Replaces
<b>Revcor</b>									
RBW50105	5 1/4	2 1/2	CW	1/2	3600	Galvanized	Inside	Strip Wheels	
RBW50106	5 1/4	2 1/2	CCW	1/2	3600	Galvanized	Inside	Strip Wheels	
RBW50107	5 1/4	2 1/2	CW	5/16	3600	Galvanized	Inside	Strip Wheels	
RBW50108	5 1/4	2 1/2	CCW	5/16	3600	Galvanized	Inside	Strip Wheels	
RBW50109	5 1/4	2 15/16	CW	5/16	3600	Galvanized	Inside	Strip Wheels	
RBW50110	5 1/4	2 15/16	CCW	5/16	3600	Galvanized	Inside	Strip Wheels	
RBW50111	5 1/4	2 15/16	CW	1/2	3600	Galvanized	Inside	Strip Wheels	
RBW50112	5 1/4	2 15/16	CCW	1/2	3600	Galvanized	Inside	Strip Wheels	
RBW50113	5 1/4	3 7/16	CW	5/16	3600	Galvanized	Inside	Strip Wheels	
RBW50114	5 1/4	3 7/16	CCW	5/16	3600	Galvanized	Inside	Strip Wheels	
RBW50115	5 1/4	3 7/16	CW	1/2	3600	Galvanized	Inside	Strip Wheels	
RBW50116	5 1/4	3 7/16	CCW	1/2	3600	Galvanized	Inside	Strip Wheels	
RBW50117	5 1/2	1	CW	5/16	3800	Galvanized	Inside	Tab Lock	
RBW50118	5 1/2	1 3/4	CW	1/2	3800	Alum. Steel	Inside	Tab Lock	
RBW50119	5 3/4	1 1/2	CCW	1/2	3700	Galvanized	Inside	Tab Lock	
RBW50120	5 3/4	2	CW	1/2	3400	Galvanized	Inside	Tab Lock	
RBW50121	5 3/4	2	CCW	1/2	3400	Galvanized	Inside	Tab Lock	
RBW50122	5 3/4	2 1/2	CW	1/2	3900	Galvanized	Inside	Tab Lock	
RBW50123	5 3/4	2 1/2	CCW	1/2	3900	Galvanized	Inside	Tab Lock	
RBW50124	5 3/4	2 1/2	CCW	5/16	3450	Galvanized	Inside	Strip Wheels	
RBW50125	5 3/4	2 1/2	CW	5/16	3450	Galvanized	Inside	Strip Wheels	
RBW50126	5 3/4	2 3/4	CW	5/16	3550	Galvanized	Inside	Tab Lock	
RBW50127	5 3/4	2 3/4	CCW	5/16	3550	Galvanized	Inside	Tab Lock	
RBW50128	5 3/4	2 15/16	CW	1/2	3000	Galvanized	Inside	Strip Wheels	
RBW50129	5 3/4	2 15/16	CCW	1/2	3000	Galvanized	Inside	Strip Wheels	
RBW50130	5 3/4	3	CW	5/16	2800	Galvanized	Inside	Tab Lock	
RBW50131	5 3/4	3	CCW	5/16	2800	Galvanized	Inside	Tab Lock	
RBW50132	5 3/4	3 7/16	CW	3/8	3000	Galv. Ring and Back / Alum. Blades	Inside	Strip Wheels	
RBW50133	5 3/4	3 7/16	CCW	3/8	3000	Galv. Ring and Back / Alum. Blades	Inside	Strip Wheels	
RBW50134	5 3/4	3 7/16	CW	5/16	3000	Galvanized	Inside	Strip Wheels	
RBW50135	5 3/4	3 7/16	CCW	5/16	3000	Galvanized	Inside	Strip Wheels	
RBW50136	5 3/4	3 13/16	CW	1/2	3000	Galvanized	Inside	Strip Wheels	
RBW50137	5 3/4	3 13/16	CCW	1/2	3000	Galvanized	Inside	Strip Wheels	
RBW50139	5 3/4	4	CW	1/2	2800	Galvanized	Inside	Strip Wheels	40615
RBW50140	5 3/4	4	CCW	1/2	2800	Galvanized	Inside	Strip Wheels	
RBW60100	6 5/16	1 1/2	CW	5/16	3300	Aluminum	Inside	Tab Lock	
RBW60102	6 5/16	2	CW	1/2	3200	Galvanized	Inside	Tab Lock	
RBW60103	6 5/16	2	CCW	1/2	3200	Galvanized	Inside	Tab Lock	40618
RBW60104	6 5/16	2 1/2	CW	1/2	2800	Galvanized	Inside	Tab Lock	
RBW60105	6 5/16	2 1/2	CCW	1/2	2800	Galvanized	Inside	Tab Lock	
RBW60108	6 5/16	2 15/16	CCW	5/16	3400	Galvanized	Inside	Strip Wheels	



## Universal Single Inlet Blower Wheels



Strip Wheels



Tab Lock

### Applications

- Draft inducers, power venting, small appliances, heating, ventilation, air conditioning, convectors, appliances, kitchen and bath exhaust

### Features

- 5 1/4" to 12 5/8" Diameters
- Embossed backs for added strength
- Factory Balanced
- Individually Boxed
- Variety of Materials Available
- Made in USA
- Additional blower wheels available upon request

Item ID	Dia. (In.)	Width (In.)	Rotation	Bore (In.)	Max RPM	Material	Hub Location	Lock Type	Replaces
<b>Revcor</b>									
RBW60109	6 5/16	2 15/16	CW	5/16	3400	Galvanized	Inside	Strip Wheels	
RBW60110	6 5/16	3	CW	1/2	3400	Galvanized	Inside	Tab Lock	
RBW60111	6 5/16	3	CCW	1/2	3400	Galvanized	Inside	Tab Lock	
RBW60112	6 5/16	3 1/4	CW	5/8	2100	Alum. Steel	Inside	Tab Lock	
RBW60113	6 5/16	3 1/4	CCW	5/8	2100	Alum. Steel	Inside	Tab Lock	
RBW60114	6 5/16	3 7/16	CW	1/2	3000	Galvanized	Inside	Strip Wheels	
RBW60115	6 5/16	3 7/16	CCW	1/2	3000	Galvanized	Inside	Strip Wheels	
RBW60116	6 5/16	3 13/16	CW	1/2	3000	Galvanized	Inside	Strip Wheels	
RBW60117	6 5/16	3 13/16	CCW	1/2	3000	Galvanized	Inside	Strip Wheels	
RBW60118	6 5/16	4	CW	1/2	2800	Galvanized	Inside	Strip Wheels	
RBW60119	6 5/16	4	CCW	1/2	2800	Galvanized	Inside	Strip Wheels	
RBW60121	6 5/16	1 1/32	CW	5/16	3450	Aluminum	Inside	Strip Wheels	
RBW60122	6 5/16	1 1/32	CCW	5/16	3450	Aluminum	Inside	Strip Wheels	
RBW60123	6 3/4	4	CW	1/2	2200	Galvanized	Inside	Tab Lock	
RBW60124	6 3/4	4	CCW	1/2	2200	Galvanized	Inside	Tab Lock	
RBW70100	7 1/8	1	CW	5/8	3700	Galvanized	Inside	Tab Lock	
RBW70101	7 1/8	1	CCW	5/8	3700	Galvanized	Inside	Tab Lock	
RBW70102	7 1/8	1 7/8	CCW	1/2	3200	Galvanized	Inside	Tab Lock	41204
RBW70103	7 1/8	1 7/8	CCW	1/2	3200	Galvanized	Inside	Tab Lock	
RBW70104	7 1/8	1 7/8	CW	5/16	3350	Galvanized	Inside	Tab Lock	
RBW70105	7 1/8	2	CCW	5/16	2900	Galvanized	Inside	Tab Lock	
RBW70106	7 1/8	2 1/2	CW	1/2	2400	Galvanized	Inside	Tab Lock	
RBW70107	7 1/8	4	CCW	3/8	1500	Galvanized	Inside	Tab Lock	
RBW70108	7 1/8	4	CCW	1/2	2000	Galvanized	Inside	Tab Lock	
RBW70109	7 1/8	4	CW	1/2	2000	Galvanized	Inside	Tab Lock	
RBW70110	7 7/16	1 1/2	CCW	1/2	3100	Galvanized	Inside	Tab Lock	
RBW70111	7 7/16	2 1/4	CW	1/2	3375	Galvanized	Inside	Tab Lock	
RBW70112	7 7/16	2 1/4	CCW	1/2	3375	Galvanized	Inside	Tab Lock	
RBW70113	7 7/16	2 1/2	CW	1/2	2500	Aluminum	Inside	Tab Lock	
RBW70114	7 7/16	2 1/2	CCW	1/2	2500	Aluminum	Inside	Tab Lock	
RBW70115	7 7/16	2 3/4	CW	1/2	2825	Galvanized	Inside	Tab Lock	
RBW70116	7 7/16	2 3/4	CCW	1/2	2825	Galvanized	Inside	Tab Lock	
RBW70117	7 7/16	3 1/4	CW	1/2	2400	Galvanized	Inside	Tab Lock	
RBW70118	7 7/16	3 1/4	CCW	1/2	2400	Galvanized	Inside	Tab Lock	
RBW70119	7 7/16	4	CW	1/2	1650	Aluminum	Inside	Tab Lock	
RBW70120	7 7/16	4	CCW	1/2	1650	Aluminum	Inside	Tab Lock	
RBW70121	7 5/8	4	CW	1/2	2000	Galvanized	Inside	Tab Lock	
RBW80101	8	1 1/2	CW	1/2	3000	Galvanized	Inside	Tab Lock	
RBW80102	8	1 1/2	CCW	1/2	3000	Galvanized	Inside	Tab Lock	
RBW80103	8	1 3/4	CCW	1/2	2800	Alum. Steel	Inside	Tab Lock	
RBW80104	8	1 7/8	CW	1/2	2800	Galvanized	Inside	Tab Lock	
RBW80105	8	2	CW	3/8	2700	Alum. Steel	Inside	Tab Lock	
RBW80106	8	2 1/4	CCW	1/2	2500	Galvanized	Inside	Tab Lock	
RBW80108	8	2 3/8	CCW	1/2	2300	Galvanized	Inside	Tab Lock	
RBW80110	8	2 1/2	CCW	1/2	2400	Galvanized	Inside	Tab Lock	



## Universal Single Inlet Blower Wheels



Strip Wheels



Tab Lock

### Applications

- Draft inducers, power venting, small appliances, heating, ventilation, air conditioning, convectors, appliances, kitchen and bath exhaust

### Features

- 5 1/4" to 12 5/8" Diameters
- Embossed backs for added strength
- Factory Balanced
- Individually Boxed
- Variety of Materials Available
- Made in USA
- Additional blower wheels available upon request

Item ID	Dia. (In.)	Width (In.)	Rotation	Bore (In.)	Max RPM	Material	Hub Location	Lock Type	Replaces
<b>Revcor</b>									
RBW80111	8	4	CCW	1/2	1650	Aluminum	Inside	Tab Lock	
RBW80112	8	4	CW	1/2	1650	Aluminum	Inside	Tab Lock	
RBW80113	8 1/2	1.5	CCW	1/2	2800	Galvanized	Inside	Tab Lock	
RBW80116	8 1/2	2	CCW	5/8	2600	Alum. Steel	Inside	Tab Lock	41212
RBW80117	8 1/2	2 3/4	CW	1/2	2400	Galvanized	Outside	Tab Lock	40615
RBW80118	8 1/2	2 3/4	CCW	1/2	2400	Galvanized	Outside	Tab Lock	
RBW80119	8 1/2	3 3/4	CW	1/2	1850	Galvanized	Inside	Tab Lock	
RBW80120	8 1/2	3 3/4	CCW	1/2	1850	Galvanized	Inside	Tab Lock	
RBW80121	8 1/2	4	CW	1/2	1650	Galvanized	Inside	Tab Lock	
RBW80122	8 1/2	4	CCW	1/2	1650	Galvanized	Inside	Tab Lock	
RBW80123	8 1/2	4 1/4	CW	1/2	1500	Galvanized	Inside	Tab Lock	
RBW80124	8 1/2	4 1/4	CCW	1/2	1500	Galvanized	Inside	Tab Lock	
RBW90102	9 1/8	1 3/4	CCW	5/8	2400	Alum. Steel	Inside	Tab Lock	41208
RBW90103	9 1/8	2	CW	1/2	2150	Galvanized	Outside	Tab Lock	
RBW90104	9 1/8	3	CW	5/16	1650	Aluminum	Outside	Tab Lock	
RBW90105	9 1/8	3 3/4	CW	1/2	1575	Galvanized	Inside	Tab Lock	
RBW90106	9 1/8	3 3/4	CCW	1/2	1575	Galvanized	Inside	Tab Lock	
RBW90107	9 1/8	4 1/4	CW	1/2	1450	Galvanized	Inside	Tab Lock	
RBW90108	9 1/8	4 1/4	CCW	1/2	1450	Galvanized	Inside	Tab Lock	
RBW90109	9 1/8	4 1/2	CW	5/8	1375	Aluminum	Inside	Tab Lock	
RBW90110	9 1/8	4 1/2	CCW	5/8	1375	Aluminum	Inside	Tab Lock	
RBW90111	9 1/2	2	CCW	5/8	2200	Alum. Steel	Inside	Tab Lock	
RBW90112	9 7/8	1 1/2	CCW	5/8	2400	Galvanized	Inside	Tab Lock	41213
RBW90114	9 7/8	1 1/2	CCW	5/8	2400	Alum. Steel	Inside	Tab Lock	41241
RBW90116	9 7/8	1 7/8	CW	5/8	2200	Galvanized	Inside	Tab Lock	
RBW90117	9 7/8	1 7/8	CCW	5/8	2200	Galvanized	Inside	Tab Lock	40642
RBW90123	9 7/8	2	CCW	5/8	2100	Galvanized	Inside	Tab Lock	41202
RBW90124	9 7/8	2	CCW	5/8	2100	Alum. Steel	Inside	Tab Lock	41201
RBW90126	9 7/8	2 1/8	CCW	1/2	1900	Galvanized	Inside	Tab Lock	41242
RBW90128	9 7/8	2 1/4	CCW	1/2	1850	Galvanized	Inside	Tab Lock	
RBW90130	9 7/8	2 1/2	CCW	5/8	1750	Alum. Steel	Inside	Tab Lock	
RBW90131	9 7/8	6	CW	1/2	1100	Galvanized	Inside	Tab Lock	
RBW10100	10 3/4	1 3/8	CCW	5/8	2200	Galvanized	Inside	Tab Lock	
RBW10101	10 3/4	3	CW	1/2	1300	Galvanized	Outside	Tab Lock	
RBW10102	10 3/4	3	CCW	1/2	1300	Galvanized	Outside	Tab Lock	
RBW10103	10 3/4	4	CCW	1/2	1150	Galvanized	Inside	Tab Lock	
RBW10104	10 3/4	4	CW	1/2	1150	Galvanized	Inside	Tab Lock	
RBW10105	10 3/4	4 7/8	CCW	1/2	1125	Galvanized	Inside	Tab Lock	
RBW10106	10 3/4	5	CCW	1/2	1100	Galvanized	Inside	Tab Lock	
RBW10107	10 3/4	6	CW	1/2	1050	Galvanized	Inside	Tab Lock	
RBW10108	10 3/4	6	CCW	1/2	1050	Galvanized	Inside	Tab Lock	
RBW11100	11 5/8	2 1/2	CW	1/2	1550	Galvanized	Outside	Tab Lock	
RBW12100	12 5/8	5	CW	1/2	950	Galvanized	Inside	Tab Lock	
RBW12101	12 5/8	5	CCW	1/2	950	Galvanized	Inside	Tab Lock	
RBW12102	12 5/8	6	CCW	3/4	900	Galvanized	Inside	Tab Lock	



## Universal Double Inlet Blower Wheels



### Applications

- Power venting, small appliances, heating, ventilation, air conditioning, PTAC, fan coils, and mini split systems

### Features

- 4 3/4" to 12 5/8" Diameters
- Embossed backs for added strength
- Factory Balanced
- Individually Boxed
- Variety of Materials Available
- Made in USA
- Additional blower wheels available upon request

Item ID	Diameter (In.)	Width (In.)	Rotation	Bore (In.)	Max RPM	Material	Hub Location	Type	Replaces
<b>Revcor</b>									
RBW40200	4 3/4	3 7/16	CW	1/2	3600	Aluminum	Center	Strip Wheels	41102
RBW50200	5 1/4	3 7/16	CW	1/2	3600	Aluminum	Center	Strip Wheels	41134
RBW50201	5 1/4	3 7/16	CCW	1/2	3600	Galvanized	Center	Strip Wheels	41108
RBW50202	5 1/4	3 7/16	CW	1/2	3600	Galvanized	Center	Strip Wheels	41107
RBW50203	5 1/4	6	CW	1/2	2800	Galvanized	Center	Tab Lock	
RBW50204	5 1/4	6 3/4	CCW	1/2	2250	Galvanized	Center	Tab Lock	
RBW50205	5 1/4	8	CCW	1/2	3200	Galvanized	Center	Strip Wheels	
RBW50206	5 1/2	5	CW	1/2	3200	Galvanized	Center	Tab Lock	
RBW50207	5 1/2	6 1/2	CCW	1/2	2800	Galvanized	Center	Tab Lock	41110
RBW50208	5 3/4	5	CW	1/2	3450	Galvanized	Center	Strip Wheels	41111
RBW50209	5 3/4	5 7/8	CW	1/2	3000	Galvanized	Center	Strip Wheels	41112
RBW50215	5 3/4	6	CCW	1/2	2700	Galvanized	Center	Tab Lock	
RBW50216	5 3/4	6 1/2	CCW	1/2	2400	Aluminum	Center	Tab Lock	
RBW50210	5 3/4	6 7/8	CW	1/2	3000	Galvanized	Center	Strip Wheels	41113
RBW50218	5 3/4	7 1/4	CCW	3/8	2000	Aluminum	Center	Tab Lock	
RBW50211	5 3/4	7 5/8	CCW	1/2	3000	Galvanized	Center	Strip Wheels	41115
RBW50212	5 3/4	7 5/8	CW	1/2	3000	Galvanized	Center	Strip Wheels	41114
RBW50214	5 3/4	8	CW	1/2	2800	Galvanized	Center	Strip Wheels	41116
RBW50219	5 3/4	8	CCW	1/2	1600	Galvanized	Center	Strip Wheels	41117
RBW50220	5 3/4	9	CW	3/8	1200	Aluminum	Center	Tab Lock	
RBW60200	6 1/8	7 1/4	CW	1/2	2000	Galvanized	Center	Tab Lock	
RBW60204	6 5/16	4	CW	1/2	2800	Galvanized	Center	Tab Lock	
RBW60205	6 5/16	5	CW	1/2	2700	Galvanized	Center	Tab Lock	
RBW60206	6 5/16	5 7/16	CW	1/2	3000	Galvanized	Off Center	Strip Wheels	
RBW60207	6 5/16	6	CCW	3/8	2350	Galvanized	Center	Tab Lock	
RBW60208	6 5/16	6 3/8	CW	1 1/4	2200	Aluminum	Center	Tab Lock	
RBW60201	6 5/16	6 7/8	CW	1/2	3000	Galvanized	Center	Strip Wheels	41123
RBW60209	6 5/16	6 7/8	CW	1/2	3000	Galvanized	Center	Strip Wheels	
RBW60210	6 5/16	7	CCW	1/2	2100	Galvanized	Center	Tab Lock	41127
RBW60211	6 5/16	7	CW	1/2	2100	Galvanized	Center	Tab Lock	41126
RBW60212	6 5/16	7 1/2	CCW	1/2	2000	Aluminum	Center	Tab Lock	
RBW60202	6 5/16	7 5/8	CCW	1/2	3000	Aluminum	Center	Strip Wheels	41124
RBW60213	6 5/16	7 5/8	CW	1/2	1900	Galvanized	Center	Tab Lock	41130
RBW60214	6 5/16	7 7/8	CW	1/2	1700	Aluminum	Center	Tab Lock	
RBW60203	6 5/16	8	CW	1/2	2800	Galvanized	Center	Strip Wheels	41125
RBW60215	6 5/16	8 1/8	CW	1/2	1700	Galvanized	Center	Tab Lock	
RBW60216	6 5/16	8 1/8	CCW	1/2	1700	Galvanized	Center	Tab Lock	
RBW60217	6 5/16	8 1/4	CW	1/2	1675	Galvanized	Center	Tab Lock	
RBW60218	6 3/4	7 1/4	CW	1/2	2000	Galvanized	Center	Tab Lock	
RBW60219	6 3/4	8 1/4	CW	1/2	1700	Galvanized	Center	Tab Lock	
RBW70203	7 7/16	7	CCW	1/2	1800	Galvanized	Center	Tab Lock	
RBW70204	7 7/16	9	CW	1/2	1625	Galvanized	Center	Tab Lock	41132
RBW70205	7 5/8	5 3/8	CCW	3/8	2050	Galvanized	Center	Tab Lock	
RBW70206	7 5/8	7	CW	1/2	1800	Galvanized	Center	Tab Lock	
RBW80200*	8 1/2	7	CW	1/2	1750	Galvanized	Center	Tab Lock	
RBW90200*	9 1/2	5 3/4	CW	1/2	1750	Galvanized	Center	Tab Lock	
RBW10200	10 3/4	2	CW	5/8	3450	Alum. Steel	Center	Tab Lock	41221

\*Convex back plate



## Circulation Double Inlet Blower Wheels



### Applications

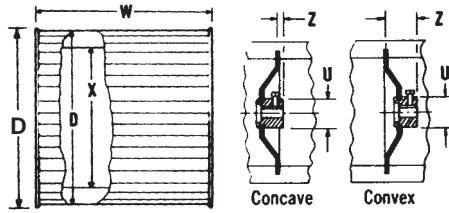
- Furnaces, ventilation, air conditioning, mini split systems, evaporative coolers, commercial A/C, and fan coils

### Features

- 9 1/2" to 12 5/8" Diameters
- Embossed backs for added strength
- Factory Balanced
- Individually Boxed
- Made in USA
- Additional blower wheels available upon request

Item ID	Diameter (In.)	Width (In.)	Rotation	Bore (In.)	Max RPM	Material	Hub Location	Back Plate	Replaces
<b>Revcor</b>									
RBW90201	9 1/2	4 1/2	CW	1/2	1750	Galvanized	Center	Convex	41360
RBW90202	9 1/2	6 1/16	CW	1/2	1750	Galvanized	Center	Convex	41303
RBW90203	9 1/2	7 1/8	CCW	1/2	1750	Galvanized	Center	Convex	41306
RBW90204	9 1/2	7 1/8	CW	1/2	1750	Galvanized	Center	Convex	41307
RBW90205	9 1/2	8 1/16	CCW	1/2	1750	Galvanized	Center	Convex	41310
RBW90206	9 1/2	8 1/16	CW	1/2	1750	Galvanized	Center	Convex	41311
RBW90207	9 1/2	9 1/2	CW	1/2	1750	Galvanized	Center	Concave	41312
RBW90208	9 1/2	9 1/2	CCW	1/2	1750	Galvanized	Center	Concave	41361
RBW90209	9 7/8	7	CCW	1/2	1550	Galvanized	Center	Convex	
RBW90210	9 7/8	9 1/4	CCW	1/2	1200	Galvanized	Center	Convex	
RBW90211	9 7/8	10 1/2	CCW	1/2	1150	Galvanized	Center	Convex	
RBW10201	10 5/8	4 1/2	CW	1/2	1750	Galvanized	Center	Convex	41314
RBW10202	10 5/8	6 1/16	CCW	1/2	1750	Galvanized	Center	Convex	41317
RBW10203	10 5/8	6 1/16	CW	1/2	1750	Galvanized	Center	Convex	41318
RBW10204	10 5/8	6 1/16	CW	5/8	1750	Galvanized	Center	Convex	41321
RBW10205	10 5/8	7 1/8	CW	1/2	1750	Galvanized	Center	Convex	41323
RBW10206	10 5/8	7 1/8	CCW	1/2	1750	Galvanized	Center	Convex	41362
RBW10207	10 5/8	8 1/16	CCW	1/2	1750	Galvanized	Center	Convex	41326
RBW10208	10 5/8	8 1/16	CW	1/2	1750	Galvanized	Center	Convex	41327
RBW10209	10 5/8	9 1/2	CCW	1/2	1750	Galvanized	Center	Concave	41328
RBW10210	10 5/8	9 1/2	CW	1/2	1750	Galvanized	Center	Concave	41329
RBW10211	10 5/8	9 1/2	CW	1/2	1750	Galvanized	Center	Concave	41331
RBW10212	10 5/8	10 11/16	CCW	1/2	1750	Galvanized	Center	Concave	41332
RBW10213	10 5/8	10 11/16	CW	1/2	1750	Galvanized	Center	Concave	41333
RBW10215	10 3/4	10 1/2	CW	1/2	1150	Galvanized	Center	Convex	41335
RBW11200	11 15/16	6 1/6	CW	1/2	1550	Galvanized	Center	Convex	41339
RBW11201	11 15/16	7 1/8	CW	1/2	1550	Galvanized	Center	Convex	41341
RBW11202	11 15/16	8 1/16	CW	1/2	1550	Galvanized	Center	Convex	41345
RBW11203	11 15/16	8 1/16	CW	1/2	1550	Galvanized	Center	Concave	41343
RBW11204	11 15/16	8 1/16	CCW	1/2	1550	Galvanized	Center	Convex	41344
RBW11205	11 15/16	9 1/2	CCW	1/2	1550	Galvanized	Center	Convex	41348
RBW11206	11 15/16	9 1/2	CW	1/2	1550	Galvanized	Center	Convex	41349
RBW11207	11 15/16	10 11/16	CCW	1/2	1550	Galvanized	Center	Concave	41350
RBW11208	11 15/16	10 11/16	CW	1/2	1550	Galvanized	Center	Concave	41351
RBW12200	12 7/8	9 1/2	CW	5/8	1200	Galvanized	Center	Convex	41354
RBW12201	12 7/8	9 1/2	CW	1/2	1200	Galvanized	Center	Convex	41363
RBW12202	12 7/8	12 5/8	CW	1/2	1200	Galvanized	Center	Concave	41355
RBW12203	12 7/8	12 5/8	CW	5/8	1200	Galvanized	Center	Concave	41356

## Double Inlet Blower Wheels



### Fan Blade & Blower Wheel Puller



A89000

See page 202

### Features

- Universal replacement wheels for direct drive blowers
- Galvanized, cold rolled steel
- Recommended for application temps that do not exceed 135°F (60°C)

Item ID	Bore	Rotation	Center Disc	Max RPM	Dimensions (In.)				
					D	W	X	U	Z
<b>Lau</b>									
L01333501	1/2	CW	Convex	1750	9 1/2	6	7 11/16	1 1/4	1 25/32
L01333602	1/2	CW	Convex	1750	9 1/2	7 1/8	7 11/16	1 1/4	1 25/32
L01333603	1/2	CCW	Convex	1750	9 1/2	7 1/8	7 11/16	1 1/4	1 25/32
L01333701	1/2	CW	Convex	1750	9 1/2	8	7 11/16	1 1/4	1 25/32
L01333703	1/2	CCW	Convex	1750	9 1/2	8	7 11/16	1 1/4	1 25/32
L01333201	1/2	CW	Concave	1750	9 1/2	9 1/2	7 11/16	1 1/4	7/32
L01333203	1/2	CCW	Concave	1750	9 1/2	9 1/2	7 11/16	1 1/4	7/32
L01332701	1/2	CW	Convex	1750	10 5/8	4 1/2	8 7/8	1 1/4	1 15/16
L01332601	1/2	CW	Convex	1750	10 5/8	6	8 7/8	1 1/4	1 15/16
L01332602	1/2	CCW	Convex	1750	10 5/8	6	8 7/8	1 1/4	1 15/16
L01332614	5/8	CW	Convex	1750	10 5/8	6	8 7/8	1 1/4	1 15/16
L01332501	1/2	CW	Convex	1750	10 5/8	7 1/8	8 7/8	1 1/4	1 15/16
L02710204	1/2	CCW	Convex	1750	10 5/8	7 1/8	8 7/8	1 1/4	1 15/16
L01332401	1/2	CW	Convex	1750	10 5/8	8	8 7/8	1 1/4	1 15/16
L01332402	1/2	CCW	Convex	1750	10 5/8	8	8 7/8	1 1/4	1 15/16
L01331701	1/2	CW	Concave	1750	10 5/8	9 1/2	8 7/8	1 1/4	1/16
L01331704	1/2	CCW	Concave	1750	10 5/8	9 1/2	8 7/8	1 1/4	1/16
L01332301	1/2	CW	Convex	1750	10 5/8	9 1/2	8 7/8	1 1/4	1/16
L01331602	1/2	CW	Concave	1750	10 5/8	10 5/8	8 7/8	1 1/4	1/16
L01332203	1/2	CW	Convex	1750	10 5/8	10 5/8	8 7/8	1 1/4	1/16
L01331606	1/2	CCW	Concave	1750	10 5/8	10 5/8	8 7/8	1 1/4	1/16
L02694003	1/2	CW	Convex	1550	11 3/4	6	10	1 1/4	—
L02694005	1/2	CW	Convex	1550	11 3/4	7 1/8	10	1 1/4	—
L02694007	1/2	CW	Convex	1550	11 3/4	8	10	1 1/4	—
L02694107	1/2	CW	Concave	1550	11 3/4	8	10	1 1/4	—
L02694008	1/2	CCW	Convex	1550	11 3/4	8	10	1 1/4	—
L02694009	1/2	CW	Convex	1550	11 3/4	9 1/2	10	1 1/4	—
L02694010	1/2	CCW	Convex	1550	11 3/4	9 1/2	10	1 1/4	—
L02694111	1/2	CW	Concave	1550	11 3/4	10 5/8	10	1 1/4	—
L02694112	1/2	CCW	Concave	1550	11 3/4	10 5/8	10	1 1/4	—
L01369325	1/2	CW	Convex	1200	12 5/8	9 1/2	10 5/16	1 1/4	2
L01369315	5/8	CW	Convex	1200	12 5/8	9 1/2	10 5/16	1 1/4	2
L01556507	1/2	CW	Concave	1200	12 5/8	12 5/8	10 5/16	1 1/4	1/16
L01556504	5/8	CW	Concave	1200	12 5/8	12 5/8	10 5/16	1 1/4	1/16

## Galvanized Steel Blower Wheels



### Applications

- Condensers, draft boosters, flue exhaust, small appliances, furnaces

### Features

- Rotation viewed side opposite hub

Item ID	Dia. (In.)	Width (In.)	Rotation	Bore (In.)	Max RPM
<b>Packard</b>					
BW16039	3	1 7/8	CCW	1/4	5000
BW16038	3	1 7/8	CW	1/4	5000
BW16044	3 13/16	2 1/2	CW	5/16	5000
BW16043	3 13/16	1 7/8	CW	5/16	5000
BW16042	3 13/16	1 7/8	CCW	5/16	5000
BW16045	3 13/16	2 1/2	CCW	5/16	5000
BW16041	3 13/16	1 7/8	CW	1/4	5000
BW16040	3 13/16	1 7/8	CCW	1/4	5000
BW16114	3 27/32	1 1/4	CW	1/4	5600
BW16113	3 27/32	1	CW	1/4	5800
BW16051	3 27/32	1 13/64	CCW	1/4	5640
BW16141	4	1 1/2	CCW	5/16	3600
<b>NEW</b> A65569BW	4	1 1/2	CCW	5/16	3000
BW16133	4	2 1/2	CCW	1/4	3600
BW16123	4	7/8	CW	5/16	3600
BW16046	4 1/4	2	CCW	1/4	4500
BW16052	4 1/4	2 15/16	CCW	1/4	4500
BW16047	4 1/4	2	CCW	5/16	4500
BW11046	4 1/2	1 5/8	CCW	1/4	Repl. Carrier LAXA046
BW16160	4 17/32	1 1/4	CW	5/16	6300
BW16161	4 17/32	1 1/4	CCW	5/16	6300
BW16048	4 23/32	2 15/16	CW	5/16	3600
BW16054	5 13/64	2 29/32	CCW	5/16	3600
BW16025	5 13/64	2 1/2	CCW	5/16	3600
BW16053	5 13/64	2 29/32	CW	5/16	3600
BW16024	5 13/64	2 1/2	CW	5/16	3600
BW16549	5 1/4	1	CW	5/16	Repl. Carrier LA21RB549
BW16548	5 3/4	1	CW	5/16	Repl. Carrier LA21RB548
BW16026	5 45/64	2 15/16	CCW	5/16	3000
BW16002	5 45/64	4	CW	1/2	2800
BW16057	5 45/64	4	CCW	1/2	2800
BW16143	5 3/4	1 1/2	CCW	5/16	3600
BW16058	6	3 1/4	CW	1/2	2400
BW16010	6	3 1/4	CCW	1/2	2400
BW16060	6 3/16	2 15/16	CCW	3/8	3000
BW16064	6 25/64	4	CCW	1/2	1700
BW16063	6 25/64	4	CW	1/2	1700
BW16005	7 1/8	4	CCW	1/2	1500
BW16066	7 1/8	2	CCW	5/16	2900
BW16070	7 31/64	3 1/2	CW	1/2	1800
BW16071	7 31/64	3 1/2	CCW	1/2	1800
<b>NEW</b> A60200BW	7 11/16	8	CW	1/2	First Company W200
BW16006	8 5/64	4	CW	1/2	1650
BW16074	8 5/64	4	CCW	1/2	1650
BW16077	8 35/64	3	CCW	1/2	2050
BW16008	9 1/8	5	CW	1/2	1350
BW16007	9 1/8	4 1/4	CW	1/2	1475
BW16009	9 1/8	5	CCW	1/2	1350
BW16079	9 31/32	4	CW	1/2	1350
BW16080	9 31/32	4	CCW	1/2	1350
BW16027	9 31/32	6	CW	1/2	1100
BW16028	9 31/32	6	CCW	1/2	1100

## Plastic Blower Wheels And Impellers



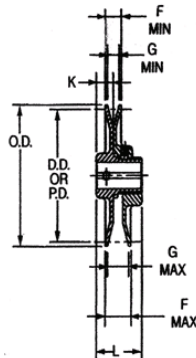
A65900



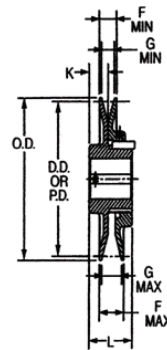
A65100FB  
A65216FB  
A64031FB

Item ID	Bore (In.)	Diameter (In.)	Width (In.)	Bore	Replaces
<b>Packard</b>					
A65900	1/4	5 3/4	2	D Shape	Nutone 59000A000
A65100FB	7/32	4 9/16	—	D Shape	Nutone 68920
A65216FB	3/16	4 1/2	—	D Shape	
A64031FB	0.181	4 1/2	—	Round	

## Stock PVP Variable Pitch Single Groove Pulleys



Type 1



Type 2

### Features

- Fitted with hollow head set screws.
- Any standard double groove Packard Drive sheave can be used as a companion sheave.

Item ID	Type	3L Belts					4L or A Belts				5L or B Belts				5V Belts				Stock Bore (In.)	Replaces Browning	
		O.D. (In.)	Min. Pitch	Min. Turns Open	Max. Turns Pitch	Max. Turns Open	Min. Datum	Min. Turns Open	Max. Turns Datum	Max. Turns Open	Min. Datum	Min. Turns Open	Max. Turns Datum	Max. Turns Open	Min. Pitch	Min. Turns Open	Max. Turns Pitch	Max. Turns Open			
<b>PVP3012</b>	1	2.87	1.8	4	2.7	0	—	—	—	—	—	—	—	—	—	—	—	—	—	1/2	1VP30 X 1/2
<b>PVP3412</b>	1	3.15	1.7	4	2.5	0	1.9	5	2.9	0	2.4	5	3.2	1	—	—	—	—	—	1/2	1VP34 X 1/2
<b>PVP3458</b>	1	3.15	1.7	4	2.5	0	1.9	5	2.9	0	2.4	5	3.2	1	—	—	—	—	—	5/8	1VP34 X 5/8
<b>PVP3478</b>	1	3.15	1.7	4	2.5	0	1.9	5	2.9	0	2.4	5	3.2	1	—	—	—	—	—	7/8	1VP34 X 7/8
<b>PVP4012</b>	1	3.75	2.3	4	3.1	0	2.4	5	3.4	0	2.7	6	3.7	1	—	—	—	—	—	1/2	1VP40 X 1/2
<b>PVP4034</b>	1	3.75	2.3	4	3.1	0	2.4	5	3.4	0	2.7	6	3.7	1	—	—	—	—	—	3/4	1VP40 X 3/4
<b>PVP4058</b>	1	3.75	2.3	4	3.1	0	2.4	5	3.4	0	2.7	6	3.7	1	—	—	—	—	—	5/8	1VP40 X 5/8
<b>PVP4078</b>	1	3.75	2.3	4	3.1	0	2.4	5	3.4	0	2.7	6	3.7	1	—	—	—	—	—	7/8	1VP40 X 7/8
<b>PVP4412</b>	1	4.15	2.7	4	3.5	0	2.8	5	3.8	0	3.1	6	4.1	1	—	—	—	—	—	1/2	1VP44 X 1/2
<b>PVP4458</b>	1	4.15	2.7	4	3.5	0	2.8	5	3.8	0	3.1	6	4.1	1	—	—	—	—	—	5/8	1VP44 X 5/8
<b>PVP4478</b>	2	4.15	2.7	4	3.5	0	2.8	5	3.8	0	3.1	6	4.1	1	—	—	—	—	—	7/8	1VP44 X 7/8
<b>PVP44118</b>	2	4.15	2.7	4	3.5	0	2.8	5	3.8	0	3.1	6	4.1	1	—	—	—	—	—	1 1/8	1VP44 X 1 1/8
<b>PVP5012</b>	1	4.75	3.3	4	4.1	0	3.4	5	4.4	0	3.7	6	4.7	1	—	—	—	—	—	1/2	1VP50 X 1/2
<b>PVP5058</b>	1	4.75	3.3	4	4.1	0	3.4	5	4.4	0	3.7	6	4.7	1	—	—	—	—	—	5/8	1VP50 X 5/8
<b>PVP5078</b>	2	4.75	3.3	4	4.1	0	3.4	5	4.4	0	3.7	6	4.7	1	—	—	—	—	—	7/8	1VP50 X 7/8
<b>PVP50118</b>	2	4.75	3.3	4	4.1	0	3.4	5	4.4	0	3.7	6	4.7	1	—	—	—	—	—	1 1/8	1VP50 X 1 1/8
<b>PVP5658</b>	1	5.35	3.9	4	4.7	0	4	5	5.0	0	4.3	6	5.3	1	—	—	—	—	—	5/8	1VP56 X 5/8
<b>PVP5678</b>	2	5.35	3.9	4	4.7	0	4	5	5.0	0	4.3	6	5.3	1	—	—	—	—	—	7/8	1VP56 X 7/8
<b>PVP56118</b>	2	5.35	3.9	4	4.7	0	4	5	5.0	0	4.3	6	5.3	1	—	—	—	—	—	1 1/8	1VP56 X 1 1/8
<b>PVP6078</b>	2	6.00	—	—	—	—	4.2	5	5.2	0	4.3	6	5.5	0	—	—	—	—	—	7/8	1VP60 X 7/8
<b>PVP60118</b>	2	6.00	—	—	—	—	4.2	5	5.2	0	4.3	6	5.5	0	—	—	—	—	—	1 1/8	1VP60 X 1 1/8
<b>PVP60138</b>	2	6.00	—	—	—	—	4.2	5	5.2	0	4.3	6	5.5	0	—	—	—	—	—	1 3/8	1VP60 X 1 3/8
<b>PVP65118</b>	2	6.5	—	—	—	—	4.7	5	5.7	0	4.8	6	6.0	0	5.2	6	6.4	0	—	1 1/8	1VP65 X 1 1/8
<b>PVP68118</b>	2	6.55	5.1	4	5.9	0	5.2	5	6.2	0	5.5	6	6.5	1	5.9	6	6.9	1	—	1 1/8	1VP68 X 1 3/8
<b>PVP75138</b>	2	7.5	—	—	—	—	5.7	5	6.7	0	5.8	6	7.0	0	6.2	6	7.4	0	—	1 3/8	1VP75 X 1 3/8



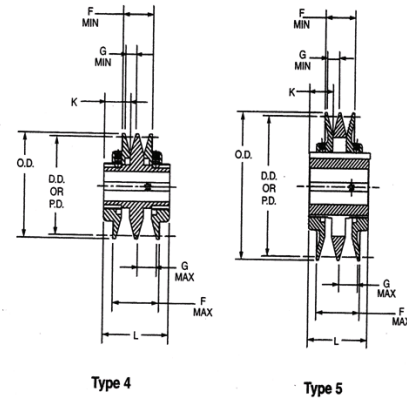
## Stock P2VP Variable Pitch Double Groove Pulleys

### Features

- Fitted with hollow head set screws
- Any standard double groove Packard Drive sheave can be used as a companion sheave.

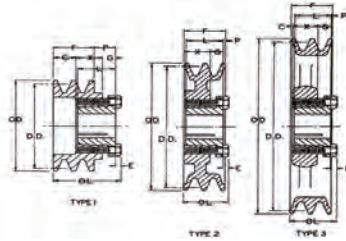


Item ID	Type	Diameter (In.) O.D.	Stock Bore (In.)	Replaces Browning
<b>Packard</b>				
P2VP3658	4	3.35	5/8	2VP36 X 5/8
P2VP3678	4	3.35	7/8	2VP36 X 7/8
P2VP4258	4	3.95	5/8	2VP42 X 5/8
P2VP4278	4	3.95	7/8	2VP42 X 7/8
P2VP42118	4	3.95	1 1/8	2VP42 X 1 1/8
P2VP5058	5	4.75	5/8	2VP50 X 5/8
P2VP5078	5	4.75	7/8	2VP50 X 7/8
P2VP50118	5	4.75	1 1/8	2VP50 X 1 1/8
P2VP5678	5	5.35	7/8	2VP56 X 7/8
P2VP56118	5	5.35	1 1/8	2VP56 X 1 1/8
P2VP60118	5	6	1 1/8	2VP60 X 1 1/8
P2VP60138	5	6	1 3/8	2VP60 X 1 3/8
P2VP62118	5	6	1 1/8	2VP62 X 1 1/8
P2VP65118	5	5.95	1 1/8	2VP65 X 1 1/8
P2VP68118	5	6.50	1 1/8	2VP68 X 1 1/8



Item ID	3L Belts				4L or A Belts				5L or B Belts				5V Belts			
	Min. Pitch	Min. Turns Open	Max. Pitch	Max. Turns Open	Min. Datum	Min. Turns Open	Max. Datum	Max. Turns Open	Min. Datum	Min. Turns Open	Max. Datum	Max. Turns Open	Min. Pitch	Min. Turns Open	Max. Pitch	Max. Turns Open
<b>Packard</b>																
P2VP3658	1.9	4	2.7	0	2	5	3	0	2.5	5	3.3	1	—	—	—	—
P2VP3678	1.9	4	2.7	0	2	5	3	0	2.5	5	3.3	1	—	—	—	—
P2VP4258	2.5	4	3.3	0	2.6	5	3.6	0	2.9	6	3.9	1	—	—	—	—
P2VP4278	2.5	4	3.3	0	2.6	5	3.6	0	2.9	6	3.9	1	—	—	—	—
P2VP42118	2.5	4	3.3	0	2.6	5	3.6	0	2.9	6	3.9	1	—	—	—	—
P2VP5058	3.3	4	4.1	0	3.4	5	4.4	0	3.7	6	4.7	1	—	—	—	—
P2VP5078	3.3	4	4.1	0	3.4	5	4.4	0	3.7	6	4.7	1	—	—	—	—
P2VP50118	3.3	4	4.1	0	3.4	5	4.4	0	3.7	6	4.7	1	—	—	—	—
P2VP5678	3.9	4	4.7	0	4	5	5	0	4.3	6	5.3	1	—	—	—	—
P2VP56118	3.9	4	4.7	0	4	5	5	0	4.3	6	5.3	1	—	—	—	—
P2VP60118	—	—	—	—	4.2	5	5.2	0	4.3	6	5.5	0	—	—	—	—
P2VP60138	—	—	—	—	4.2	5	5.2	0	4.3	6	5.5	0	—	—	—	—
P2VP62118	4.5	4	5.3	0	4.6	5	5.6	0	4.9	6	5.9	1	5.3	6	6.3	1
P2VP65118	—	—	—	—	4.7	5	5.7	0	4.8	6	6	0	5.2	6	6.4	0
P2VP68118	5.1	4	5.9	0	5.2	5	6.2	0	5.5	6	6.5	1	5.9	6	6.9	1

## Two Groove Pulleys For 4L Or A Belts

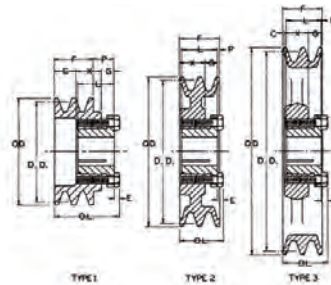
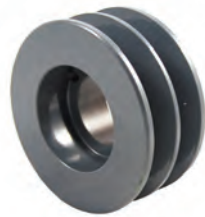


### Features

- 3L belts may be used with these pulleys.

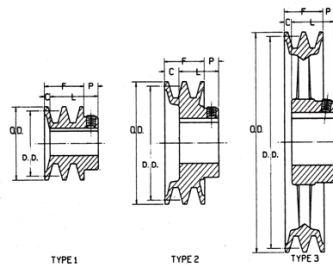
Item ID	Diameter (In.)		Pitch 3L	Type	Dimensions (In.)								Replaces Browning
	O.D.	Datum A			O.L.	F	L	P	C	X	G	E	
<b>Packard</b>													
P2AK30H	3.05	2.8	2.46	1	2 7/16	1 3/8	1 1/4	7/8	15/16	7/8	7/16	3/16	2AK30H
P2AK39H	3.75	3.5	3.16	1	2	1 3/8	1 1/4	7/16	1/2	7/8	7/16	3/16	2AK39H
P2AK46H	4.45	4.2	3.86	2	1 1/2	1 3/8	1 1/4	1/16	—	7/8	7/16	3/16	2AK46H
P2AK54H	5.25	5.0	4.66	2	1 1/2	1 3/8	1 1/4	1/16	—	7/8	7/16	3/16	2AK54H
P2AK56H	5.45	5.2	4.86	2	1 1/2	1 3/8	1 1/4	1/16	—	7/8	7/16	3/16	2AK56H

## Two Groove Pulleys For 4L Or A Belts And 5L Or B Belts



Item ID	Diameter (In.)			Type	Dimensions (In.)								Replaces Browning
	O.D.	Datum A	Datum B		O.L.	F	L	P	C	X	G	E	
<b>Packard</b>													
P2BK32H	3.35	2.6	3	1	2 13/16	1 3/4	1 1/4	7/8	5/16	7/8	7/16	3/16	2BK32H
P2BK80H	7.75	7.0	7.4	3	1 3/4	1 3/4	1 1/4	7/16	7/8	7/8	7/16	3/16	2BK80H
P2BK100H	9.75	9.0	9.4	3	1 3/4	1 3/4	1 1/4	7/16	7/8	7/8	7/16	3/16	2BK100H

## Two Groove Pulleys For 4L Or A Belts And 5L Or B Belts

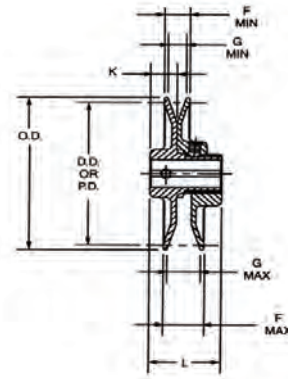


### Features

- PACKARD DRIVE “P2BK” sheaves are accurately machined from grained cast iron, statically balanced, painted and individually packaged. They are furnished with standard keyway and hollow head set screws.

Item ID	Diameter (In.)			Type	Stock Bore (In.)	Dimensions (In.)				Replaces Browning
	O.D.	Datum A	Datum B			F	L	P	C	
<b>Packard</b>										
P2BK2558	2.6	2	2.4	1	5/8	1 3/4	1 31/32	15/32	1/4	2BK2558
P2BK3058	3.15	2.4	2.8	1	5/8	1 3/4	1 31/32	15/32	1/4	2BK3058
P2BK34118	3.55	2.8	3.2	1	1 1/8	1 3/4	1 31/32	15/32	1/4	2BK34118
P2BK3658	3.75	3	3.4	1	5/8	1 3/4	1 31/32	15/32	1/4	2BK3658
P2BK4058	3.95	3.2	3.6	2	5/8	1 3/4	1 15/32	15/32	3/4	2BK4058
P2BK4558	4.25	3.5	3.9	2	5/8	1 3/4	1 15/32	15/32	3/4	2BK4558
P2BK5058	4.75	4	4.4	2	5/8	1 3/4	1 15/32	15/32	3/4	2BK5058
P2BK5558	5.25	4.5	4.9	2	5/8	1 3/4	1 15/32	15/32	3/4	2BK5558

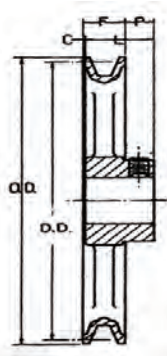
## PVL Variable Pitch Pulleys



Bore Range (In.)	Keyway (In.)
1/2	None
5/8 - 7/8	3/16 x 3/32
1 5/16 - 1 1/4	1/4 x 1/8
1 7/16	3/8 x 3/16

Item ID	3L Belts					4L or A Belts					5L or B Belts			Stock Bore (In.)	Replaces Browning
	O.D. (In.)	Min. Pitch	Min. Turns Open	Max. Pitch	Max. Turns Open	Min. Datum	Min. Turns Open	Max. Datum	Max. Turns Open	Min. Turns Open	Min. Datum	Max. Datum	Max. Turns Open		
<b>Packard</b>															
PVL2512	2.5	1.6	4	2.4	0	—	—	—	—	—	—	—	—	1/2	1VL25 X 1/2
PVL2558	2.5	1.6	4	2.4	0	—	—	—	—	—	—	—	—	5/8	1VL25 X 5/8
PVL3012	2.87	1.8	4	2.7	0	—	—	—	—	—	—	—	—	1/2	1VL30 X 1/2
PVL3058	2.87	1.8	4	2.7	0	—	—	—	—	—	—	—	—	5/8	1VL30 X 5/8
PVL3412	3.15	1.7	4	2.5	0	1.9	5	2.9	0	5	2.4	3.2	1	1/2	1VL34 X 1/2
PVL3434	3.15	1.7	4	2.5	0	1.9	5	2.9	0	5	2.4	3.2	1	3/4	1VL34 X 3/4
PVL3458	3.15	1.7	4	2.5	0	1.9	5	2.9	0	5	2.4	3.2	1	5/8	1VL34 X 5/8
PVL4012	3.75	2.3	4	3.1	0	2.4	5	3.4	0	6	2.7	4.1	1	1/2	1VL40 X 1/2
PVL4034	3.75	2.3	4	3.1	0	2.4	5	3.4	0	6	2.7	4.1	1	3/4	1VL40 X 3/4
PVL4058	3.75	2.3	4	3.1	0	2.4	5	3.4	0	6	2.7	4.1	1	5/8	1VL40 X 5/8
PVL4078	3.75	2.3	4	3.1	0	2.4	5	3.4	0	6	2.7	4.1	1	7/8	1VL40 X 7/8
PVL4412	4.15	2.7	4	3.5	0	2.8	5	3.8	0	6	3.1	4.1	1	1/2	1VL44 X 1/2
PVL4434	4.15	2.7	4	3.5	0	2.8	5	3.8	0	6	3.1	4.1	1	3/4	1VL44 X 3/4
PVL4458	4.15	2.7	4	3.5	0	2.8	5	3.8	0	6	3.1	4.1	1	5/8	1VL44 X 5/8
PVL4478	4.15	2.7	4	3.5	0	2.8	5	3.8	0	6	3.1	4.1	1	7/8	1VL44 X 7/8

## PAL Pulleys For 4L Or A Belts

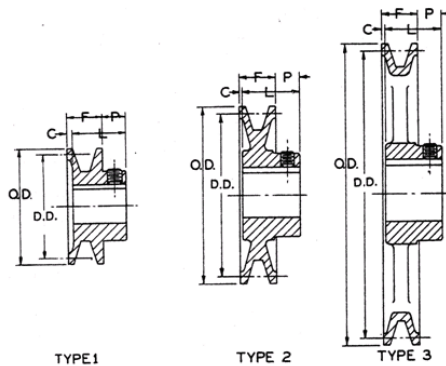


Bore Range (In.)	Keyway (In.)
1/2	None
5/8 - 7/8	3/16 x 3/32
1 5/16 - 1 1/4	1/4 x 1/8
1 7/16	3/8 x 3/16

Item ID	Diameter (In.)		Stock Bore (In.)	Dimensions (In.)			Replaces Browning
	O.D.	Pitch		F	P	L	
<b>Packard</b>							
PAL5434	4.93	4.78	3/4	19/32	15/32	1 1/16	AL5434
PAL5458	4.93	4.78	5/8	19/32	15/32	1 1/16	AL5458
PAL6434	5.93	5.78	3/4	19/32	15/32	1 1/16	AL6434
PAL6458	5.93	5.78	5/8	19/32	15/32	1 1/16	AL6458
PAL641	5.93	5.78	1	19/32	15/32	1 1/16	AL641
PAL7434	6.93	6.78	3/4	19/32	15/32	1 1/16	AL7434
PAL741	6.93	6.78	1	19/32	15/32	1 1/16	AL741
PAL8434	7.93	7.78	3/4	19/32	15/32	1 1/16	AL8434
PAL841	7.93	7.78	1	19/32	15/32	1 1/16	AL841
PAL9434	8.93	8.78	3/4	19/32	15/32	1 1/16	AL9434
PAL941	8.93	8.78	1	19/32	15/32	1 1/16	AL941
PAL1041	9.93	9.78	1	19/32	15/32	1 1/16	AL1041
PAL11434	10.93	10.78	3/4	19/32	15/32	1 1/16	AL11434
PAL1141	10.93	10.78	1	19/32	15/32	1 1/16	AL1141
PAL12434	11.93	11.78	3/4	19/32	15/32	1 1/16	AL12434
PAL1241	11.93	11.78	1	19/32	15/32	1 1/16	AL1241

• Do not use "A" Gripnotch Belt Ratings with "AL" or "AM" sheaves.

## Single Groove Pulleys For 4L Or A Belts



### Features

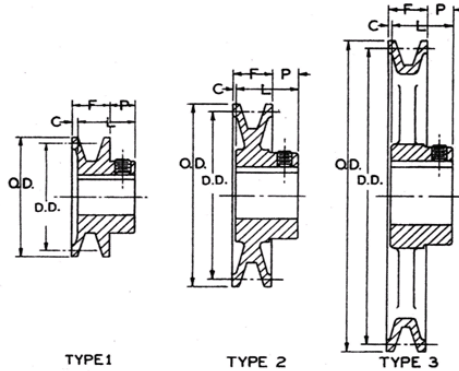
- PACKARD DRIVE "PAK" pulleys are accurately machined from grained cast iron, statically balanced, painted and individually packaged.
- Furnished with standard keyway and hollow head set screws.
- 3L belts may be used with these pulleys.

Bore Range (In.)	Keyway (In.)
1/2	None
5/8 - 7/8	3/16 x 3/32
1 5/16 - 1 1/4	1/4 x 1/8
1 7/16	3/8 x 3/16

Item ID	Diameter (In.)			Type	Stock Bore (In.)	F	Dimensions (In.)			Replaces Browning
	O.D.	Datum A	Pitch 3L				L	P	C	
<b>Packard</b>										
PAK1712	1.75	1.5	1.16	1	1/2	21/32	15/16	7/16	5/32	AK1712
PAK1758	1.75	1.5	1.16	1	5/8	21/32	15/16	7/16	5/32	AK1758
PAK2012	2	1.8	1.46	1	1/2	21/32	15/16	7/16	5/32	AK2012
PAK2058	2	1.8	1.46	1	5/8	21/32	15/16	7/16	5/32	AK2058
PAK2212	2.2	2	1.66	1	1/2	21/32	15/16	7/16	5/32	AK2212
PAK2258	2.2	2	1.66	1	5/8	21/32	15/16	7/16	5/32	AK2258
PAK2312	2.3	2.1	1.76	1	1/2	21/32	15/16	7/16	5/32	AK2312
PAK2358	2.3	2.1	1.76	1	5/8	21/32	15/16	7/16	5/32	AK2358
PAK2512	2.5	2.3	1.96	2	1/2	21/32	15/16	7/16	5/32	AK2512
PAK2558	2.5	2.3	1.96	2	5/8	21/32	15/16	7/16	5/32	AK2558
PAK2712	2.7	2.5	2.16	2	1/2	21/32	15/16	7/16	5/32	AK2712
PAK2758	2.7	2.5	2.16	2	5/8	21/32	15/16	7/16	5/32	AK2758
PAK3012	3.05	2.8	2.46	2	1/2	21/32	15/16	7/16	5/32	AK3012
PAK3058	3.05	2.8	2.46	2	5/8	21/32	15/16	7/16	5/32	AK3058
PAK3034	3.05	2.8	2.46	2	3/4	21/32	15/16	7/16	5/32	AK3034
PAK3412	3.45	3.2	2.86	2	1/2	21/32	15/16	7/16	5/32	AK3412
PAK3458	3.45	3.2	2.86	2	5/8	21/32	15/16	7/16	5/32	AK3458
PAK3478	3.45	3.2	2.86	2	7/8	21/32	15/16	7/16	5/32	AK3478
PAK3958	3.75	3.5	3.16	2	5/8	3/4	1 5/32	15/32	1/16	AK3958
PAK4158	3.95	3.7	3.36	2	5/8	3/4	1 5/32	15/32	1/16	AK4158
PAK4178	3.95	3.7	3.36	2	7/8	3/4	1 5/32	15/32	1/16	AK4178
PAK4458	4.25	4	3.66	3	5/8	3/4	1 5/32	15/32	1/16	AK4458
PAK4658	4.45	4.2	3.86	3	5/8	3/4	1 5/32	15/32	1/16	AK4658
PAK5158	4.95	4.7	4.36	3	5/8	3/4	1 5/32	15/32	1/16	AK5158
PAK5178	4.95	4.7	4.36	3	7/8	3/4	1 5/32	15/32	1/16	AK5178
PAK5634	5.45	5.2	4.86	3	3/4	3/4	1 5/32	15/32	1/16	AK5634
PAK5978	5.75	5.5	5.16	3	7/8	3/4	1 5/32	15/32	1/16	AK5978
PAK6158	5.95	5.7	5.36	3	5/8	3/4	1 5/32	15/32	1/16	AK6158
PAK8934	8.75	8.5	8.16	3	3/4	3/4	1 15/32	23/32	0	AK8934

• Do not use PAK sheaves with bores 1" and under with cogged belt ratings.

## Single Groove Pulleys For 4L Or A Belts And 5L Or B Belts



### Features

- PACKARD DRIVE “PBK” pulleys are accurately machined from grained cast iron, statically balanced, painted and individually packaged.
- Furnished with standard keyway and hollow head set screws.

Bore Range (In.)	Keyway (In.)
1/2	None
5/8 - 7/8	3/16 x 3/32
1 5/16 - 1 1/4	1/4 x 1/8
1 7/16	3/8 x 3/16

Item ID	O.D.	Diameter (In.)		Type	Stock Bore (In.)	F	Dimensions (In.)			Replaces Browning
		Datum A	Datum B				L	P	C	
<b>Packard</b>										
PBK2558	2.5	1.9	2.3	1	5/8	13/16	1 1/16	13/32	5/32	BK2558
PBK2758	2.7	2.1	2.5	2	5/8	13/16	1 1/16	13/32	5/32	BK2758
PBK2812	2.95	2.2	2.6	2	1/2	13/16	1 1/16	13/32	5/32	BK2812
PBK2858	2.95	2.2	2.6	2	5/8	13/16	1 1/16	13/32	5/32	BK2858
PBK2878	2.95	2.2	2.6	2	7/8	13/16	1 1/16	13/32	5/32	BK2878
PBK3012	3.15	2.4	2.8	2	1/2	13/16	1 1/16	13/32	5/32	BK3012
PBK3058	3.15	2.4	2.8	2	5/8	13/16	1 1/16	13/32	5/32	BK3058
PBK3258	3.35	2.6	3	2	5/8	13/16	1 1/16	13/32	5/32	BK3258
PBK3234	3.35	2.6	3	2	3/4	13/16	1 1/16	13/32	5/32	BK3234
PBK3278	3.35	2.6	3	2	7/8	13/16	1 1/16	13/32	5/32	BK3278
PBK3412	3.55	2.8	3.2	2	1/2	7/8	1 5/32	13/32	1/8	BK3412
PBK3458	3.55	2.8	3.2	2	5/8	7/8	1 5/32	13/32	1/8	BK3458
PBK3658	3.75	3	3.4	2	5/8	7/8	1 5/32	13/32	1/8	BK3658
PBK4058	3.95	3.2	3.6	2	5/8	7/8	1 5/32	13/32	1/8	BK4058
PBK4078	3.95	3.2	3.6	2	7/8	7/8	1 5/32	13/32	1/8	BK4078
PBK4758	4.45	3.7	4.1	2	5/8	7/8	1 5/32	13/32	1/8	BK4758
PBK5278	4.95	4.2	4.6	3	7/8	7/8	1 5/32	13/32	1/8	BK5278
PBK6058	5.75	5	5.4	3	5/8	7/8	1 5/32	13/32	1/8	BK6058
PBK6034	5.75	5	5.4	3	3/4	7/8	1 5/32	13/32	1/8	BK6034
PBK6078	5.75	5	5.4	3	7/8	7/8	1 5/32	13/32	1/8	BK6078
PBK6234	5.95	5.2	5.6	3	3/4	7/8	1 5/32	13/32	1/8	BK6234
PBK6534	6.25	5.5	5.9	3	3/4	7/8	1 5/32	13/32	1/8	BK6534
PBK7534	7.25	6.5	6.9	3	3/4	7/8	1 15/32	21/32	1/16	BK7534

• Do not use PBK sheaves with bores 1” and under with cogged belt ratings.

## Stock “PH” Bushings

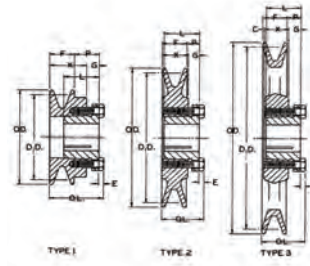
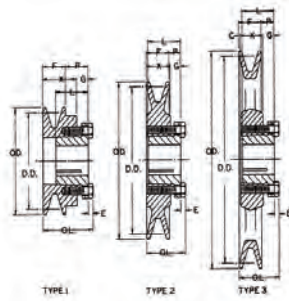


### Stock Spine Bores

- 0.978 - 10 Inv
- 1 1/8 - 6B
- 1 3/8 - 6B
- 1 3/8 - 21 Inv

Item ID	Stock	
	Bore (In.)	Key Way
<b>Packard</b>		
PH12	1/2	1/8 x 1/16
PH58	5/8	3/16 x 3/32
PH34	3/4	3/16 x 3/32
PH1316	13/16	3/16 x 3/32
PH78	7/8	3/16 x 3/32
PH1	1	1/4 x 1/8
PH118	1 1/8	1/4 x 1/8
PH114	1 1/4	1/4 x 1/16
PH138	1 3/8	5/16 x 1/16

## Single Groove Pulleys



### Features

- 3L belts may be used with these pulleys.

### PAKH Series

### PBKH Series

Item ID	Diameter (In.)			Type	O.L.	F	L	Dimensions (In.)					Replaces Browning
	O.D.	Datum A	Pitch 3L					P	C	X	G	E	
<b>Packard Single Groove Pulleys For 4L Or A Belts</b>													
PAK30H	3.05	2.8	2.46	1	1 13/16	3/4	1 1/4	7/8	—	1 3/16	7/16	3/16	AK30H
PAK39H	3.75	3.5	3.16	2	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	AK39H
PAK41H	3.95	3.7	3.36	2	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	AK41H
PAK44H	4.25	4	3.66	2	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	AK44H
PAK49H	4.75	4.5	4.16	2	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	AK49H
PAK51H	4.95	4.7	4.36	2	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	AK51H
PAK54H	5.25	5	4.66	2	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	AK54H
PAK56H	5.45	5.2	4.86	2	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	AK56H
PAK59H	5.75	5.5	5.16	2	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	AK59H
PAK61H	5.95	5.7	5.36	3	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	AK61H
PAK64H	6.25	6	5.66	3	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	AK64H
PAK66H	6.45	6.2	5.86	3	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	AK66H
PAK71H	6.95	6.7	6.36	3	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	AK71H
PAK74H	7.25	7	6.66	3	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	AK74H
PAK79H	7.75	7.5	7.16	3	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	AK79H
PAK84H	8.25	8	7.66	3	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	AK84H
PAK114H	11.25	11	10.66	3	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	AK114H
PAK124H	12.25	12	11.66	3	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	AK124H

Item ID	Diameter (In.)			Type	O.L.	F	L	Dimensions (In.)					Replaces Browning
	O.D.	Datum A	Datum B					P	C	X	G	E	
<b>Packard Single Groove Pulleys For 4L Or A Belts And 5L Or B Belts</b>													
PBK30H	3.15	2.4	2.8	1	1 15/16	7/8	1 1/4	7/8	—	1 5/16	7/16	3/16	BK30H
PBK32H	3.35	2.6	3	1	1 15/16	7/8	1 1/4	7/8	—	1 5/16	7/16	3/16	BK32H
PBK34H	3.55	2.8	3.2	1	1 15/16	7/8	1 1/4	7/16	—	1 5/16	7/16	3/16	BK34H
PBK36H	3.75	3	3.4	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	BK36H
PBK40H	3.95	3.2	3.6	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	BK40H
PBK45H	4.25	3.5	3.9	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	BK45H
PBK47H	4.45	3.7	4.1	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	BK47H
PBK50H	4.75	4	4.4	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	BK50H
PBK52H	4.95	4.2	4.6	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	BK52H
PBK55H	5.25	4.5	4.9	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	BK55H
PBK57H	5.45	4.7	5.1	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	BK57H
PBK60H	5.75	5	5.4	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	BK60H
PBK62H	5.95	5.2	5.6	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	BK62H
PBK65H	6.25	5.5	5.9	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	BK65H
PBK67H	6.45	5.7	6.1	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	BK67H
PBK70H	6.75	6	6.4	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	BK70H
PBK72H	6.95	6.2	6.6	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	BK72H
PBK75H	7.25	6.5	6.9	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	BK75H
PBK77H	7.45	6.7	7.1	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	BK77H
PBK80H	7.75	7	7.4	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	BK80H
PBK85H	8.25	7.5	7.9	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	BK85H
PBK90H	8.75	8	8.4	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	BK90H
PBK100H	9.75	9	9.4	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	BK100H
PBK120H	11.75	11	11.4	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	BK120H
PBK130H	12.75	12	12.4	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	BK130H
PBK140H	13.75	13	13.4	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	BK140H
PBK150H	14.75	14	14.4	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	BK150H
PBK160H	15.75	15	15.4	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	BK160H



# Feel Like Something's Missing?

We have the parts to complete the purchase so your customers can complete the repair.

IN FACT, WE HAVE THOUSANDS OF ACCESSORIES FOR YOUR MOTORS, CAPACITORS, FAN BLADES AND BLOWER WHEELS IN STOCK AND READY TO SHIP.

  
**Packard**  
Supplying HVACR solutions with your needs in mind.



## Motor Pump Seals



Head Type - A



Head Type - B



Head Type - C



Head Type - D



Mating Ring - 1

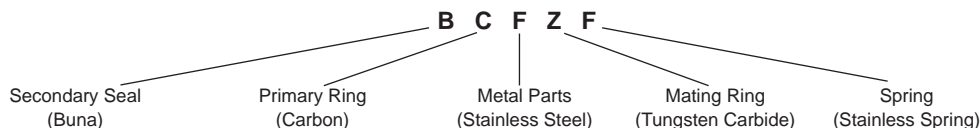


Mating Ring - 3

SECONDARY SEALS	PRIMARY RINGS	METAL PARTS	MATING RINGS	SPRINGS
B. Buna	A. Bronze	D. Brass	A. Bronze	E. Monel®
N. Neoprene	C. Carbon	E. Monel®	G. Cast Iron	F. Stainless Steel
Q. EPR	H. Glass Filled PTFE	F. Stainless Steel	J. Ceramic	P. Plated Steel
T. PTFE	L. Silicon Carbide	P. Plated Steel	K. Ni-Resist	
V. Viton®	M. Molded Plastic		L. Silicon Carbide	
X. AFLAS®	R. Silicon Carbide (CVR)		O. Stellite	
Y. Kalrez®	S. Toolled Steel		S. Toolled Steel	
	Z. Tungsten Carbide		Z. Tungsten Carbide	

### Features

- Self aligning
- Completely assembled for easy installation
- Exceptionally broad application range
- Wide temperature range
- Low, medium or high pressure applications
- Available for standard or limited gland depths
- Automatic compensation for mating ring wear and shaft end play



AFLAS® is a registered trademark of Asahi Glass Co., Ltd.  
 Kalrez® is a registered trademark of DuPont Performance Elastomers, LLC  
 Viton® is a registered trademark of DuPont Performance Elastomers, LLC  
 Monel® is a registered trademark of Special Metals Corporation

### Material Code

Item ID	Seal Size	Head Type	Mating Ring	Material Code
<b>U.S. Seal MFG.</b>				
PS101	3/4	A	1	BMFJF
PS201	3/4	A	1	BMFJF
PS201VCMS	3/4	A	1	VCFJF
PS358V	3/4	C	3	VCFJF
PS100	5/8	A	1	BMFJF
PS200	5/8	A	1	BMFJF
PS100VCMS	5/8	A	1	VCFJF
PS200VCMS	5/8	A	1	VCFJF
PS2131	5/8	A	3	BMFJF
PS1000	5/8	B	1	BMFJF
PS359	5/8	C	1	BCFJF
PS290	5/8	C	1	BCFJF
PS359VCMS	5/8	C	1	VCFJF
PS800	5/8	C	1	BMFJF
PS359V	5/8	C	3	VCFJF
PS508	5/8	D	1	BCDJF
PS508V	5/8	D	3	VCDJF
PS357	1	C	1	BCFKF
PS235V	1	C	3	VCFJF
PS356	1 1/8	C	1	BCFJF
PS356V	1 1/8	C	3	VCFJF
PS355V	1 1/8	C	3	VCFKF
PS185	1 1/4	C	1	BCFJF
PS979	1 1/4	C	1	BCFKF
PS978	1 1/4	C	1	BCFJF
PS978V	1 1/4	C	1	VCFJF
PS185VCMS	1 1/4	C	1	VCFJF
PS1109	1 1/4	C	3	BCFKF
PS381	1 1/4	D	1	BCFJF
PS758	1 1/2	C	1	BCFJF
PS659V	1 1/2	C	3	VCFKF







**Conduit Box with Adjustable Bracket**

Item ID	Frame
TACBB1	For use on 48 & 42 Frame Motors



**Flex Mount Brackets**

Item ID	Diameter (In.)
TFM50	5
TFM55	5 5/8



**Four Leg Torsion Flex Mount Bracket**

Item ID	Diameter (In.)
TFM554	5 5/8



**Flex Mount Bracket Adjustable Diameter**

Item ID	Diameter (In.)
TFM556	5 - 5 5/8

Plastic insert allows you to adjust for 5" or 5.5" diameter.



**Mounting Brackets**

Item ID	Diameter (In.)	Frame
A60042	5	42
A60048	5 5/8	48

Kit includes: steel bracket with 3 welded legs, 3 steel sleeves, & 3 sets of rubber grommets.



**Mounting Brackets**

Item ID	Diameter	
	(In.)	Bolt Circle
A80293	5.5	6 7/8 - 8 1/8
A80295	5.5	8 1/8 - 12 1/8
KIT50L	4.4 & 5	6 1/2 - 11 1/2
KIT55L	5.5	8 1/8 - 12 1/8



**Universal Lug Mounting Bracket**

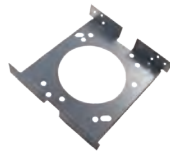
Item ID	Diameter (In.)
1410A	5 5/8

Two mounting options. Small slots accepts 1/4" bolt. Large hole accepts 3/4" Rubber Grommet Kit (A60049K).



**Morrell Unit Bearing Mounting Bracket**

Item ID	Bracket	Motor Shaft
	Height	Height
A11601	2 7/32"	4 1/8"



**RHEEM Motor Mounting Bracket**

Item ID	Brand
A60306K	Packard

Used on RHEEM condensing units.



**RHEEM FLEX Mounting Bracket**

Item ID	Brand
A61698K	Packard

Kit includes 4 brackets and 8 screws.



**Mounting Kit**

Item ID	Brand
KIT200	Fasco

Holes for 4.4" and 5.6" diameter motors. One kit will adapt both ends of motor for base mounting.



**Condenser Fan Rainshield**

Item ID	Dimensions (In.)	
	Bore Dia.	O.D.
A61000	1/2	6.88
A61056	5/8	6.88



**Condenser Fan Rainshield Deep Dish Style**

Item ID	Dimensions (In.)	
	Bore Dia.	O.D.
A80105	1/2	7



**Rainshields - Plastic Deep Dish Style**

Item ID	Dimensions (In.)	
	Bore Dia.	O.D.
1411A	1/2	7
1412A	5/8	7



**Shaft Adapters**

Item ID	Dimensions (In.)		
	I.D.	O.D.	Length
A80427K	1/4	5/16	1.00
A80513K	5/16	3/8	1.00
A80082K	3/8	1/2	1.00
A60097K *	1/2	5/8	1.50

5 per package.  
\* Split bushing with key.



**Shaft Extension Kits**

Item ID	Diameter	Length
A61308K	1/4"	4 1/2"
A61310K	5/16"	4 1/2"
A61475K	1/2"	4 1/2"

Includes shaft coupler & shaft.



**Shaft Adapter**

Item ID	I.D. (in.)	Length (In.)
A60098	1/4	1

Used on unit bearing motors.



**Rubber Grommet Kit**

Item ID	Brand
A60049K	Packard

Used for 3/4 inch slots. Sheet metal screws and sleeves included. 3 per package.



**Rubber Grommet Kit**

Item ID	Brand
A60047K	Packard

Used for 1/2 inch slots. 6 per package.



**Mounting Rings**

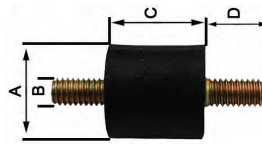
Item ID	Hub Ring Diameter (in.)
1220A	2 1/4
1182A	2 1/2
1255A	1 3/4



**Rubber Vibration Insulator**

Item ID	Stud Dimensions (In.)
A61519K	3/8 x 8-32 x 3/8

Used on Coleman motors. Four per package.  
4 per package.



**Rubber Vibration Insulators**

Item ID	Dimension (In.)			
	A	B	C	D
A67804K	1	5/16	1	5/8
A67805K	1	1/4	3/4	1/2



**Rheem Mounting Cables**

Item ID	Length (In.)	For Motor H.P.
A60325K	3 1/4	1/6
A60350K	3 1/2	1/4
A60378K	3 7/8	1/3



**Conduit Box**

Item ID	Motor Diameter (In.)
KIT142	3.3
KIT144	4.4-5.0-5.6

For universal design motors with conduit connector holes only.



**Conduit Kit**

Item ID	Brand
A60102	Packard

3/8" Conduit Connector  
Allen Stevens type, complete with mounting screws. Packaged three per kit.



**Conduit Fitting**

Item ID	Brand
1202A	Century

For 4 5/16" diameter motors



**Anti-Wind Brakes**

Item ID	Diameter (In.)
A60012	1/2
A60058	5/8

Used to stop wind milling of rooftop motors.



**Unit Bearing Motor Bracket**

Item ID	Brand
A68004	Packard

Bracket for unit bearing motors.



**Sand Screen**

Item ID	Brand
A52008	Packard

Used in preparation for brazing, soldering and epoxy repairs 1 1/2" x 72" roll



**90 Degree Plug And Cord**

Item ID	Length (In.)
PLUG018	25

Used with unit bearing motors: plug and cord assembly  
UL Recognized



**Straight Plug And Cord**

Item ID	Length (In.)
PLUG119	25

Used with unit bearing motors: plug and cord assembly  
UL Recognized



**Capacitor Mounting Kit**

Item ID	Brand
A60010	Packard

Bracket dimension: 2 1/8" x 1 1/4" Cover dimension: 1 5/8"



**Cap Guard**

Item ID	Brand
A60000	Packard

Weather proofs capacitor connections by simply sliding on to the capacitor. Fits oval caps 2 thru 17.5MFD 370V and 2 thru 12.5MFD 440V. Sheet metal screws included.



**Pitch Gauge**

Item ID	Brand
PG5099801	Packard

To aid in determining pitch of the fan blade.



**Fan Blade & Blower Wheel Puller**

Item ID	Brand
A89000	Packard



**Hubs With Set & Mtg Screws**

Item ID	Bore	Set Screws
H60765801	1/4"	1
H60765803	3/8"	1
H60765804	1/2"	2
H60765805	5/8"	2
H60765806	3/4"	2



**Shafts**  
1018 Cold Rolled Steel  
Ground and Polished

Item ID	Diameter (In.)	Length (In.)
S38220501	5/8	20
S38209601	3/4	20
S38269301	3/4	35
S38209501	1	25
S38249201	1	35



**Capacitor Brackets**

Item ID	Capacitor Length (In.)
A76501	4 3/8
A76502	3 3/8
A76503	2 3/4

For motor start capacitors.  
5 per package.



**Capacitor Brackets**

Item ID	Diameter (In.)
A75400	1 3/4
A75500	2
A75600	2 1/2

For round motor run capacitors  
5 per package.



### Capacitor Brackets

Item ID	Dimensions (In.)	
	Width	Depth
A75100	1 5/16 x 2 5/32	
A75200	1 29/32 x 2 29/32	
A75300	1 31/32 X 3 21/32	

For oval motor run capacitors.  
5 per package.



### Capacitor End Caps - Top Lead Hole

Item ID	Diameter (In.)
A76611	1 7/16
A76612	1 13/16
A76613	2 1/16
A76614	2 9/16

For motor start capacitors. Leads exit opposite bracket. 5 per package.



### Capacitor End Caps - Bottom Lead Hole

Item ID	Diameter (In.)
A76601	1 7/16
A76602	1 13/16
A76603	2 1/16
A76604	2 9/16

For motor start capacitors. Leads exit through bracket. 5 per package.



### Capacitor Jumpers

Item ID	Length (In.)
A63004	4
A63006	6

With 1/4" female terminals.  
10 per package.



### Capacitor Resistor With 1/4" Female Terminals

Item ID	OHMS	Watts
A63106	15000	2

With 1/4" Female Terminals.  
10 per package.



### Capacitor Resistor

Item ID	OHMS	Watts
A63105	15000	2

10 per package.  
5 per package.



### Rubber Boots

(Lead Protectors For Motor Run Capacitors)

Item ID	Hole Location
A76000	1 Hole on End
A76001	1 Hole on Top
A76002	2 Hole on Top
A76003	3 Hole on Side



### Item ID Description

CT1	Digital Capacitor Tester
-----	--------------------------

- Range 2 MFD to 2000 MFD
- Accuracy ±5%
- Color coded test leads
- Insulated rubber casing
- 9 Volt battery included
- Fuse protected



### Heat Gun

Item ID	Brand
HG1000	Packard

- 120 Volt AC • 12 Amps • 4 tips included
- Double insulated • UL listed
- Low setting 750 Watts
- High setting 1500 Watts



### Hex Bit

Item ID	Length (In.)
PHB316	3/16



### Ratchet Wrenches

Item ID	Square Size (In.)
PRW516	1/4-3/8-3-16-5/16

Reversible. 4 sizes per wrench.



### Fin Comb

Item ID	Brand
PFC550	Packard

## Magjumper - The Magnetic Jumper



# Magjumper



Scan to learn more

### Features

- Ideal for low voltage trouble shooting
- Designed by and for service technicians
- No more popping off terminals
- Great for recessed terminals



Item ID	Description
<b>Packard</b>	
EJMP	Magjumper Mag 1 - Yellow Tip (Shown)
EJMPB	Magjumper Mag 1 - Blue Tip
EJMPG	Magjumper Mag 1 - Green Tip
EJMPP	Magjumper Mag 1 - Red Tip
EJMPPK	Magjumper Mag 1 - Black Tip

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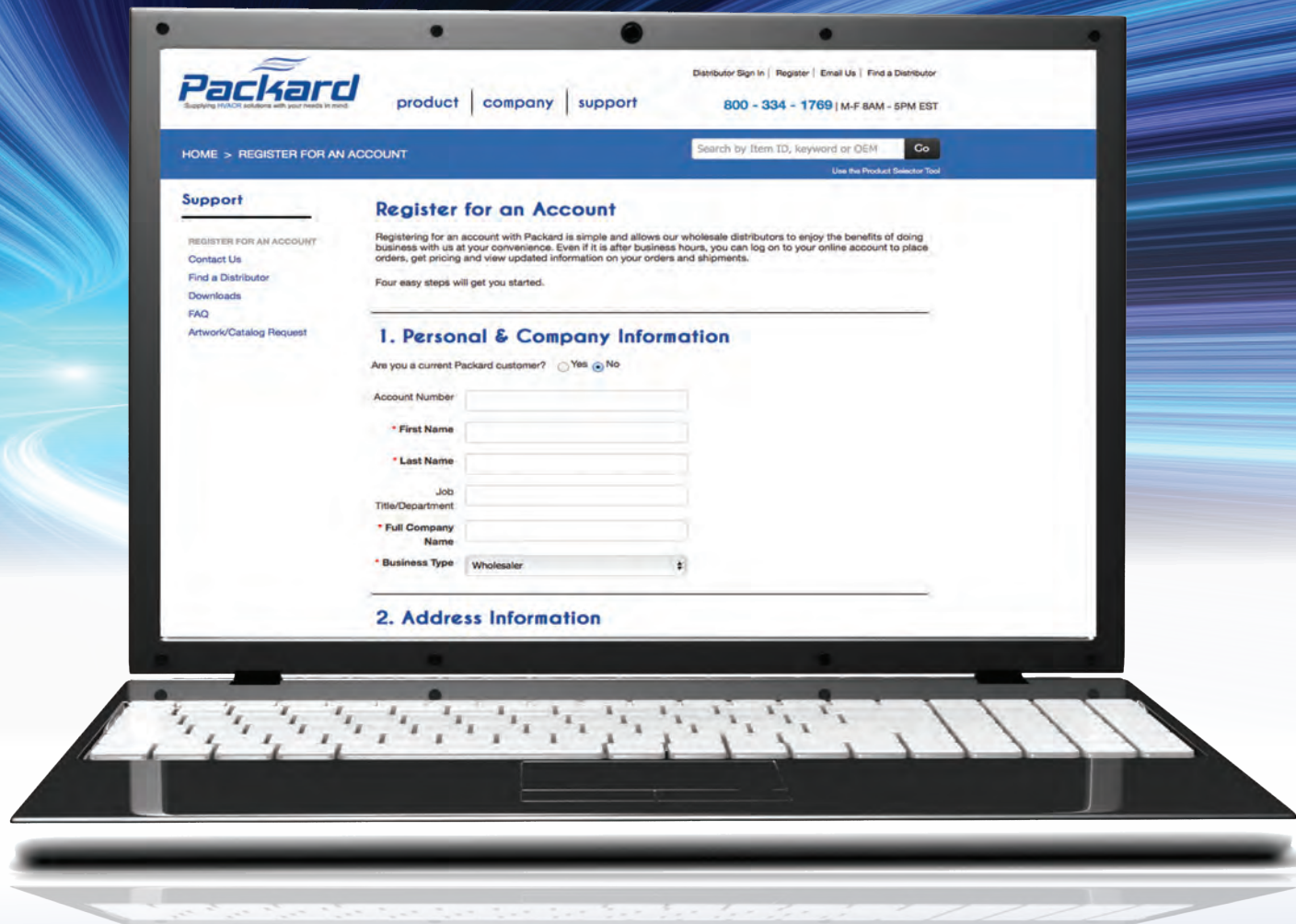
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# DATA REQUEST FORM

## Motor Data Request Form

**\* REQUIRED**

Company/Acct#	*	_____
Contact/Branch Location	*	_____
Phone/Email	*	_____
Motor Application <small>(EX. Blower, Evaporator, Condensing Fan, Ventilation Fan)</small>	*	_____
Manufacturer	*	_____
Model#	*	_____
Serial #		_____
Horsepower	*	_____
Voltage, Hertz and Phase <small>(EX. 208/230V 60Hz 1PH, 220/240V 50Hz 3PH)</small>	*	_____
RPM	*	_____
AMPS	*	_____
Speed Taps		_____
Frame		_____
Enclosure		_____
Shaft Dimension	*	_____
Mounting Type	*	_____
Bearing Type		_____
Capacitor Rating		_____
What equipment did it come out of? <small>(EX. Home refrig., Restaurant side-by-side refrig., Residential cond. unit, Refrig. condensing unit)</small>	*	_____

**Notes:**

## Compressor/Condensing Unit Data Request From

**\*REQUIRED**

Company/Acct#	*	_____
Contact/Branch Location	*	_____
Phone/Email	*	_____
Compressor/Condenser	*	_____
Manufacturer:		_____
Model#	*	_____
Serial #		_____
Code/BOM#		_____
Voltage, Hertz and Phase (EX. 208/230V 60Hz 1PH, 220/240V 50Hz 3PH)	*	_____
Current Refrigerant	*	_____
Alternative Refrigerant (If changing refrigerant)		_____
Box Temperature (Low -10°F/0°F, Med 30°F/35°F, High 55°F +)	*	_____
<b>OR</b>		
Evaporator Temperature (Low -20°F/-10°F, Med 20°F/25°F, High 45°F +)		_____
What equipment did it come out of? (EX. Home refrig., Restaurant side-by-side refrig., Residential cond. unit, Refrig. condensing unit)	*	_____

**Notes:**

## Aftermarket Terms and Conditions

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1. Prices are those in effect at time of shipment. Prices are subject to change without notice.
2. Minimum order requirement is \$25.00.
3. All shipments are F.O.B. shipping point.
4. Wholesale single release orders of \$2000.00 or more receive prepaid freight to the first destination within the continental U.S. Method of shipment is at the discretion of Packard. Orders less than \$2000.00 will be shipped freight prepaid with the freight charge added to the invoice. If the customer specifies the carrier on a charge freight order, the order will be shipped freight collect.
5. Air shipment or other premium shipping method may be requested at the customer's expense.
6. Claims for shortages and damages must be reported within five business days following the date of delivery. Shortages and/or other visible damages to the exterior packaging must also be noted on the bill of lading. Claims are subject to count/inspection. Damaged product is to be kept for 90 days after claim is reported unless otherwise directed by Packard.
7. Terms: Net 30 to all customers having approved credit standing.
8. Return authorization must be obtained from Packard by the wholesaler before returning any products. Merchandise cannot be returned without a return authorization form.
9. Returnable items will receive a 20% - 50% restocking charge, depending on manufacturer. Customer pays return freight. All returns must be within 30 days from date of shipment and be new, in original packaging, clean and unmarked. Non-stock specialty items are not returnable.
10. Possession of this catalog does not constitute an offer to sell.

## Warranty Procedures

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1. All items sold by Packard, Inc. are warranted against defects in workmanship or materials under normal use for a period of one (1) year. No warranty is made as to the fitness of vendor's products for a particular purpose. Buyer acknowledges that it alone has determined that the goods purchased will suitably meet the requirements of their intended use. In no event will Packard be liable for consequential, incidental or other damages.
2. Motors and products other than compressors\* are covered for up to a maximum of two (2) years from the manufacturer's date code on the product or one year after installation, whichever comes first.
3. Please MAIL the original nameplate (label or sticker) for each item. Copies of labels will NOT be accepted. Please do NOT fax or email labels!
4. In the event Packard or the manufacturer requires evaluation of warranty items, Packard will issue a return authorization form. Do not return warranty items unless requested.
5. A reason for failure MUST be provided for each item on the warranty claim.
6. Credits are NOT to be taken by customer until merchandise or original nameplate has been received by Packard, Inc. and credit is issued.
7. Credit will be issued upon verification of purchase history for ORIGINAL labels dated within manufacturing date code requirements.
8. Do not field scrap products until credit has been issued.

\*For compressors (Danfoss, Embraco or Bristol), please contact Packard, Inc. Warranty Department for further instructions.







# CREDIT APPLICATION FORM

Customer Number:



## Credit Application Business Account

Packard, Inc.  
1925 Shiloh Rd Bldg 2  
Kennesaw, GA 30144  
Phone: 770.427.5765  
Fax: 770.427.5140  
customerservice@packardonline.com

### BUSINESS CONTACT INFORMATION

Contact Name:		Title:	
Company Name:		Buying Group:	
Phone:	Fax:	E-mail:	
Physical Address:			
City:		State:	Zip Code:
Mailing Address:(If Different)			
City:		State:	Zip Code:
Shipping Address:(If Different)			
City:		State:	Zip Code:
Type of Business:		Date Business Commenced:	
<input type="checkbox"/> Sole Proprietorship:	<input type="checkbox"/> Partnership:	<input type="checkbox"/> Corporation:	<input type="checkbox"/> Other:
Purchasing Agent:		Email Address:	
Payables Contact:		Email Address:	
Sales Tax Exemption Number:		<i>(Please attach a copy of the Certificate)</i>	

### BANK INFORMATION

Bank Name:		Contact:	
Phone:	Fax:	Email:	
Checking Account Number:		Savings Account Number:	

### BUSINESS/TRADE REFERENCES

Company Name:			
Address:			
City:		State:	Zip Code:
Phone:	Fax:	E-mail:	
Type of Account:			
Company Name:			
Address:			
City:		State:	Zip Code:
Phone:	Fax:	E-mail:	
Type of Account:			
Company Name:			
Address:			
City:		State:	Zip Code:
Phone:	Fax:	E-mail:	
Type of Account:			

### AGREEMENT

SHOULD YOU APPROVE THIS APPLICATION, I (WE) AGREE TO PAY FOR ALL GOODS PURCHASED WITHIN THE GIVEN NET 30 DAY TERMS ON EACH INVOICE. PACKARD INC. IS AUTHORIZED TO CONTACT ANY REFERENCES OR BANKS LISTED ABOVE. IT IS UNDERSTOOD THAT ANY INFORMATION SO OBTAINED WILL BE USED SOLELY FOR GRANTING CREDIT. SERVICE CHARGES AT THE HIGHEST RATE PERMITTED BY STATE LAW WILL BE APPLIED TO PAST DUE ACCOUNTS.

### SIGNATURES

Title:	Title:
Date:	Date:

*\*Please email application and attachments to customerservice@packardonline.com.*



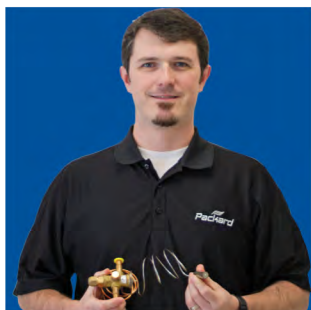
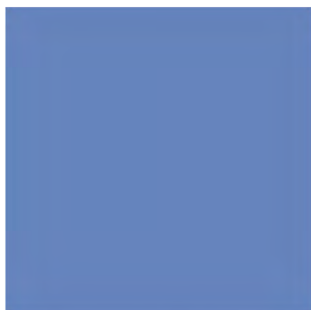
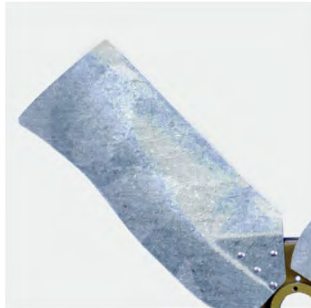
# THIS IS NOT THE END. IT'S THE BEGINNING OF A GREAT relationship.



Our job doesn't end when a shipment leaves the door. For us, it's the beginning of new opportunities. It's the chance for us to formulate solutions for your business and show you just how far our HVACR offering reaches. It's the opportunity to answer your product questions so you can better serve your customers. It allows us to give you online tools to help you manage your orders with us at your convenience, and provide the friendly voice on the line that you will hear each time you call us.

**SERVICE IS AT THE CORE OF EVERYTHING WE DO. WELCOME TO PACKARD.**

  
Supplying HVACR solutions with your needs in mind.



# WITH EVERY ORDER, WE DELIVER more than just our products.

Meet just a few of the very special people who help us provide valuable services at every customer touch point.

Front Cover L-R: Jose & Oralia: Shipping; Dan Lauterhahn: Vice President of Sales; Rick Streacker: National Training Coordinator

Back Cover Top-Bottom: Toni Brewton: Inside Sales; Andrew Wilson: Technical Product Specialist; Bill Campbell: Technical Product Specialist



1925 Shiloh Rd. Bldg. 2 Kennesaw, GA 30144

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