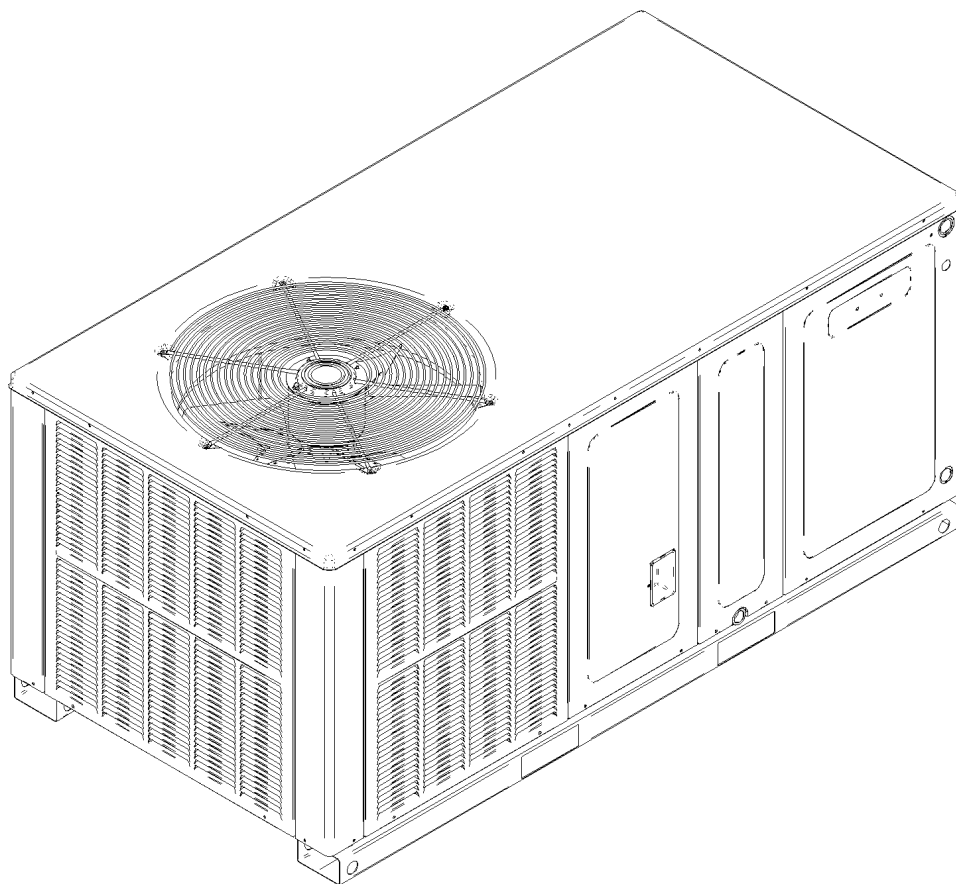


REPAIR PARTS

GPH13 H-SERIES R-410A Package Heat Pumps

GPH1324H41AA
GPH1330H41AA
GPH1336H41AA
GPH1342H41AA
GPH1348H41BA
GPH1360H41BA



This manual is to be used by qualified technicians only.

This manual replaces RP-525.

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Important Information

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Illustration and Parts	4 - 11

Views shown are for parts illustrations only, not servicing procedures.

This system uses R410A refrigerant. If sealed system work is required, use approved equipment and follow service procedures. Refer to Service Manual or Installation Instructions for service procedures.

Rev. A: Changed M2 compressor from ZP25K5EPFV830 to ZP263EPFV930
Changed M3 cond motor from 0131M00007PS to 0131M00014PS
Changed M3 fan blade from 0150G00001S to B1086765S

Text Codes:

AR - As Required

NA - Not Available

NS - Not Shown

00000000 - See Note

QTY - Quantity Example (QTY 3) (If Quantity not shown, Quantity = 1)

M - Model Example (M1) (If M Code not shown, then part is used on all Models)

Expanded Model Nomenclature:

Example

M1 - Model#1

M2 - Model#2

M3 - Model#3

Goodman Manufacturing Company, L.P. is not responsible for personal injury or property damage resulting from improper service. Review all service information before beginning repairs.

Warranty service must be performed by an authorized technician, using authorized factory parts. If service is required after the warranty expires, Goodman Manufacturing Company, L.P. also recommends contacting an authorized technician and using authorized factory parts.

Goodman Manufacturing Company, L.P. reserves the right to discontinue, or change at any time, specifications or designs without notice or without incurring obligations.

For assistance within the U.S.A. contact:

Consumer Affairs Department

Goodman Manufacturing Company, L.P.

7401 Security Way

Houston, Texas 77040

877-254-4729-Telephone

713-863-2382-Facsimile

For assistance outside the U.S.A. contact:

International Division

Goodman Manufacturing Company, L.P.

7401 Security Way

Houston, Texas 77040

713-861-2500-Telephone

713-863-2382-Facsimile

Functional Parts

Part

No: Description:

0130M00014	240 VOLT RELAY (M1, M2, M3, M4, M5)
B1226206	ACCUMULATOR (M1, M2)
B1226207	ACCUMULATOR (M3, M4, M5, M6)
0131M00010PS	BLOWER MOTOR 1/2 HP, 3 SP, 8 PL (M4, M5)
11091202S	BLOWER MOTOR 1/3 HP, 3 SP, 6 PL (M2, M3)
11091207S	BLOWER MOTOR 1/4 HP, 3 SP, 8 PL (M1)
0231K00042	BLOWER MOTOR 3/4 HP PROGRAMMED X13 (M6)
PCBFM103S	BOARD, ELECTRONIC BLOWER TIME DELAY RELAY (M1, M2, M3, M4, M5)
CAP100000370VAS	CAPACITOR 10/370V [BLOWER] (M1, M2, M3)
CAP150000370VAS	CAPACITOR 15/370V [BLOWER] (M4, M5)
CAP050400370RSS	CAPACITOR 5/40/370V [CONTROL BOX] (M1, M2)
CAP050450370RSS	CAPACITOR 5/45/370V [CONTROL BOX] (M3, M4, M5)
CAP050700370RTS	CAPACITOR 5/70/370V [CONTROL BOX] (M6)
ZP21K5EPFV830	COMPRESSOR 21300, 208/230/60/1 (M1)
ZP26K3EPFV930	COMPRESSOR 25200, 208/230/60/1 (M2)
ZP31K5EPFV830	COMPRESSOR 31100, 208/230/60/1 (M3)
ZP34K5EPFV830	COMPRESSOR 34500, 208/230/60/1 (M4)
ZP39K5EPFV830	COMPRESSOR 39000, 208/230/60/1 (M5)
ZP51K5EPFV830	COMPRESSOR 51000, 208/230/60/1 (M6)
0131M00007PS	COND MOTOR 1/4 HP, 1 SP, 6 PL (M4, M5, M6)
0131M00014PS	COND MOTOR 1/4 HP, 1 SP, 8 PL (M3)
0131M00009PS	COND MOTOR 1/6 HP, 1 SP, 8 PL (M1, M2)
CONT1P025024VS	CONTACTOR 25 AMP, 1P, 24V (M1, M2)
CONT2P025024VS	CONTACTOR 25 AMP, 2P, 24V (M3)
CONT1P030024VS	CONTACTOR 30 AMP, 1P, 24V (M5)
CONT2P030024VS	CONTACTOR 30 AMP, 2P, 24V (M4)
CONT2P040024VS	CONTACTOR 40 AMP, 2P, 24V (M6)
0130G00005	CUT-OUT SWITCH, HIGH PRESSURE
0130G00004	CUT-OUT SWITCH, LOW PRESSURE
PCBDM101S	DEFROST CONTROL BOARD
0130M00057	DEFROST THERMOSTAT (M1, M2, M3, M5, M6)
0130M00009P	DEFROST THERMOSTAT OPEN 60°, CLOSE 34° (M4)
B1141643	TRANSFORMER 208/230, 24V

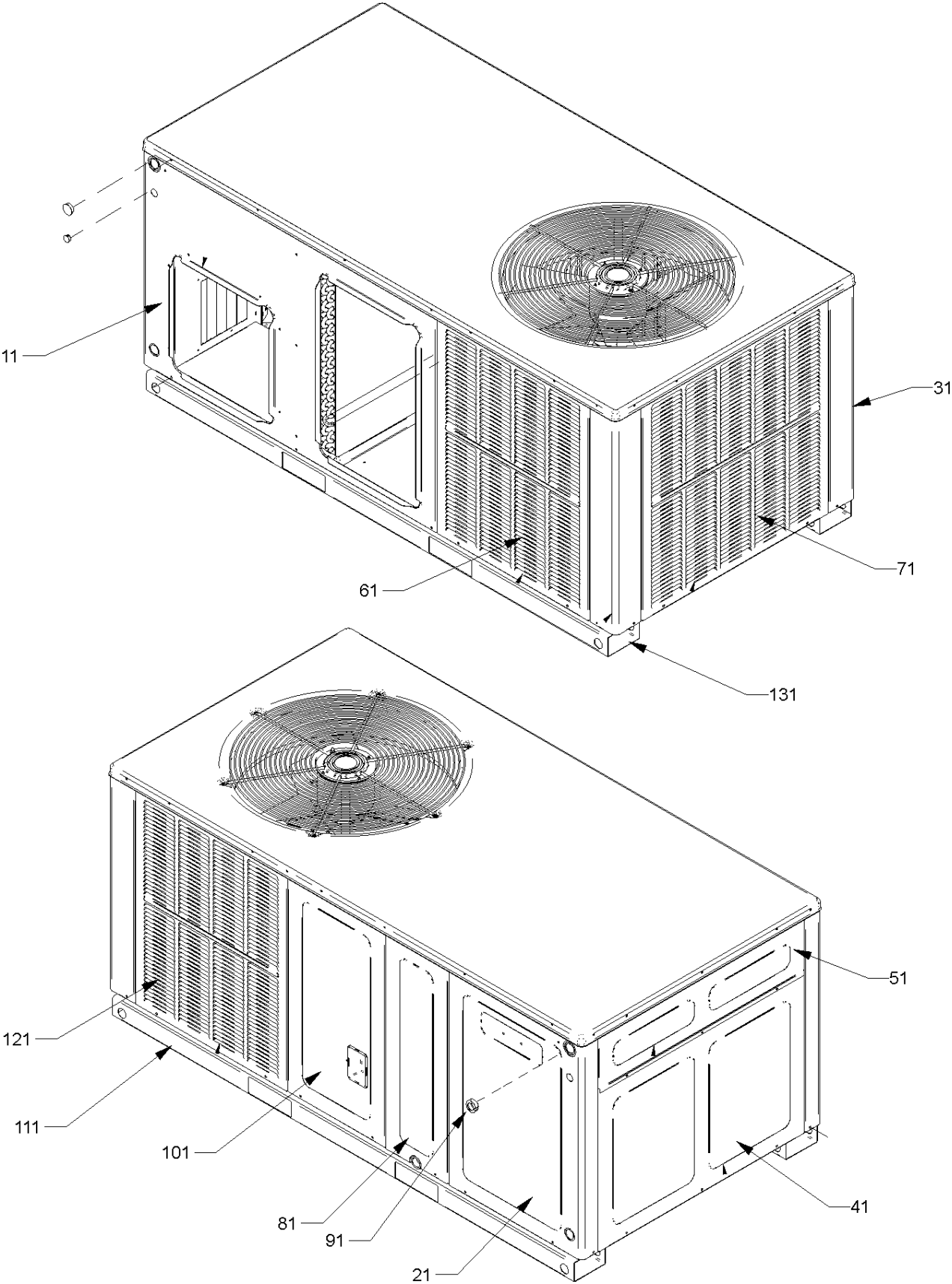
SPECIAL PARTS

IO-352	INSTALLATION INSTRUCTIONS
B10259251	LABEL, GOODMAN
RP-525A	REPAIR PARTS MANUAL
B1757910	SUPPLEMENTAL INSERT (EBTDR)

Expanded Model Nomenclature

M1 - GPH1324H41AA
M2 - GPH1330H41AA
M3 - GPH1336H41AA
M4 - GPH1342H41AA
M5 - GPH1348H41BA
M6 - GPH1360H41BA

Cabinet Assy



Cabinet Assy

Ref. Part			Ref. Part		
No:	No:	Description:	No:	No:	Description:
Image 1:					
11	0270G00008PS	INSULATED ASSY, DUCT PANEL 27.5" (M1, M2)			
11	0270G00009PS	INSULATED ASSY, DUCT PANEL 32.5" (M3, M4)			
11	0270G00010PS	INSULATED ASSY, DUCT PANEL 36" (M5, M6)			
21	0270G00011PS	INSULATED ASSY, CORNER PANEL 27.5" (M1, M2)			
21	0270G00012PS	INSULATED ASSY, CORNER PANEL 32.5" (M3, M4)			
21	0270G00013PS	INSULATED ASSY, CORNER PANEL 36" (M5, M6)			
31	0121G00047PDG	CORNER POST 27.5" (M1, M2)			
31	0121G00048PDG	CORNER POST 32.5" (M3, M4)			
31	0121G00082PDGS	CORNER POST 36" (M5, M6)			
41	0270G00113S	INSULATED ASSY, BLOWER DOOR 27.5" (M1, M2)			
41	0270G00114S	INSULATED ASSY, BLOWER DOOR 32.5" (M3, M4)			
41	0270G00115S	INSULATED ASSY, BLOWER DOOR 36" (M5, M6)			
51	0121G00276DG	EXTERNAL CONTROL BOX PANEL			
61	0121G00069PDG	LOUVERED PANEL 4 BANK 27.5" (M1, M2)			
61	0121G00070PDGS	LOUVERED PANEL 4 BANK 32.5" (M3, M4)			
61	0121G00090PDG	LOUVERED PANEL 4 BANK 36" (M5, M6)			
71	0121G00072PDGS	LOUVERED PANEL 5 BANK 27.5" (M1, M2)			
71	0121G00073PDG	LOUVERED PANEL 5 BANK 32.5" (M3, M4)			
71	0121G00091PDG	LOUVERED PANEL 5 BANK 36" (M5, M6)			
81	0270G00017PS	INSULATED ASSY, EVAP PANEL 27.5" (M1, M2)			
81	0270G00018PS	INSULATED ASSY, EVAP PANEL 32.5" (M3, M4)			
81	0270G00019PS	INSULATED ASSY, EVAP PANEL 36" (M5, M6)			
91	B1392011	GROMMET / HS .62 - .45			
101	0121G00062PDG	COMPRESSOR PANEL 13.68" X 27.50" (M1, M2)			
101	0121G00060PDG	COMPRESSOR PANEL 8.75" X 32.50" (M3, M4)			
101	0121G00087PDG	COMPRESSOR PANEL 8.75" X 36" (M5, M6)			
111	0273G00001P	INSULATED ASSY, BASEPAN			
121	0121G00069PDG	LOUVERED PANEL 4 BANK 27.5" (M1, M2)			
121	0121G00073PDG	LOUVERED PANEL 5 BANK 32.5" (M3, M4)			
121	0121G00091PDG	LOUVERED PANEL 5 BANK 36" (M5, M6)			
131	0121G00044PRF	BASEPAN RAIL (QTY 2)			

Expanded Model Nomenclature

M1 - GPH1324H41AA
M2 - GPH1330H41AA
M3 - GPH1336H41AA
M4 - GPH1342H41AA
M5 - GPH1348H41BA
M6 - GPH1360H41BA

Chassis Assy

Image 1

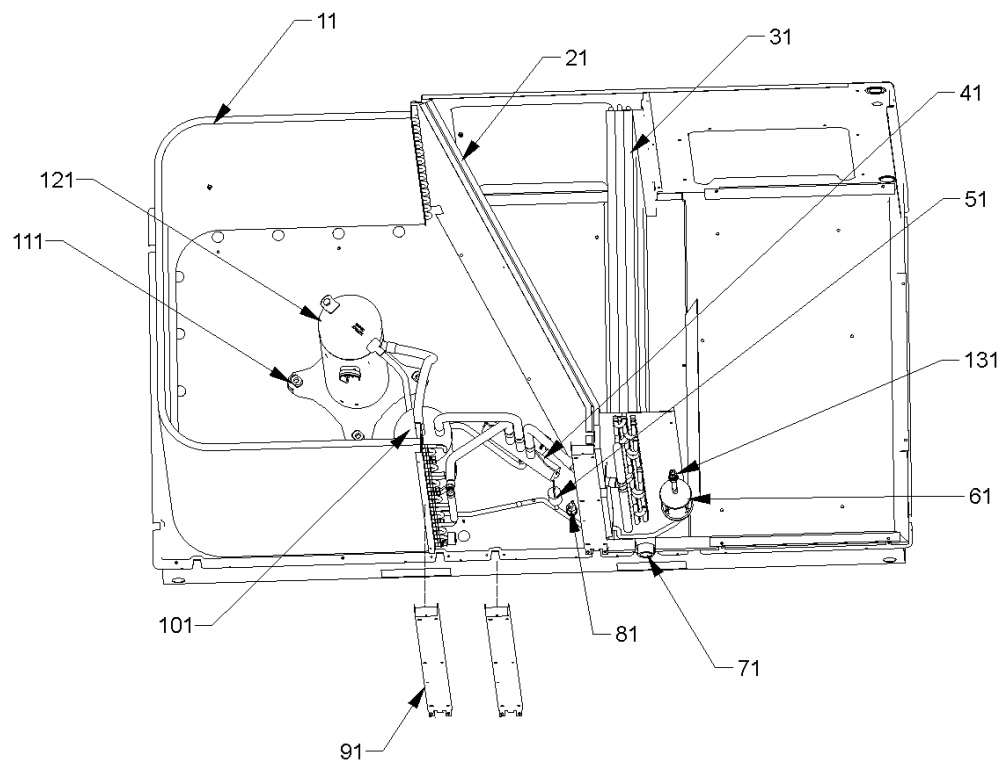


Image 2

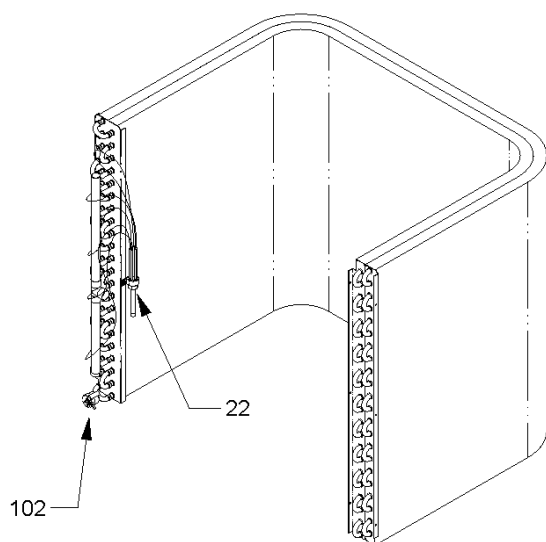
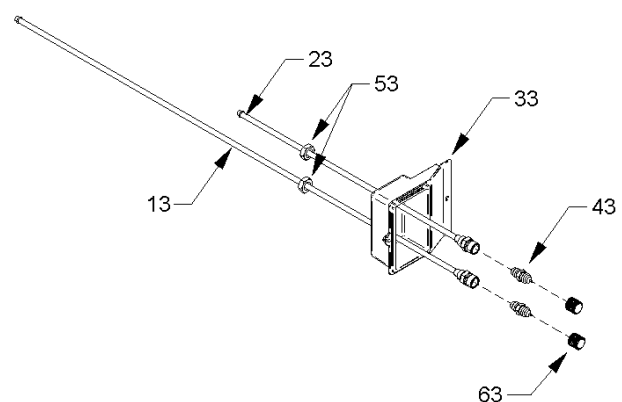


Image 3



Chassis Assy

Ref. Part			Ref. Part		
No:	No:	Description:	No:	No:	Description:
Image 1:			Image 1:		
11	0201G00119S	TUBING ASSY, COND COIL (M6)	NS	M0221641	TF SHOULDER SCREW (QTY 4)
11	0201G00120S	TUBING ASSY, COND COIL (M5)	Image 2:		
11	0201G00123S	TUBING ASSY, COND COIL (M4)	22	0162M00112S	FLOWRATOR .049 [COND] (M1)
11	0201G00126S	TUBING ASSY, COND COIL (M3)	22	0162M00016PS	FLOWRATOR .055 [COND] (M2)
11	0201G00130S	TUBING ASSY, COND COIL (M2)	22	0162M00098S	FLOWRATOR .065 [COND] (M3, M4)
11	0201G00131S	TUBING ASSY, COND COIL (M1)	22	0162M00113	FLOWRATOR .067 [COND] (M5)
21	0270G00075	INSULATED ASSY, PARTITION PANEL 27.5" (M1, M2)	22	0162M00019P	FLOWRATOR .076 [COND] (M6)
21	0270G00076	INSULATED ASSY, PARTITION PANEL 32.5" (M3, M4)	102	0130M00057	DEFROST THERMOSTAT (M1, M2, M3, M5, M6)
21	0270G00077	INSULATED ASSY, PARTITION PANEL 36" (M5, M6)	102	0130M00009P	DEFROST THERMOSTAT OPEN 60°, CLOSE 34° (M4)
31	0202G00258S	TUBING ASSY, EVAP COIL (M6)	Image 3:		
31	0202G00262S	TUBING ASSY, EVAP COIL (M5)	13	0210G00031P	PROCESS TUBE ASSY-SUCTION
31	0202G00267S	TUBING ASSY, EVAP COIL (M4)	23	0210G00030P	PROCESS TUBE ASSY-LIQUID
31	0202G00271S	TUBING ASSY, EVAP COIL (M3)	33	0161G00001P	ACCESS FITTING BOX
31	0202G00273S	TUBING ASSY, EVAP COIL (M2)	43	B1373315	ACCESS FITTING (QTY 2)
31	0202G00281S	TUBING ASSY, EVAP COIL (M1)	53	0163G00000P	FASTEST FITTING NUT (QTY 2)
41	B1227316S	REVERSING VALVE (M1, M2)	63	B9102097	CAP W/O-RING (QTY 2)
41	B1227318S	REVERSING VALVE (M3, M4, M5, M6)	Expanded Model Nomenclature		
51	0130G00005	CUT-OUT SWITCH, HIGH PRESSURE	M1 - GPH1324H41AA M2 - GPH1330H41AA M3 - GPH1336H41AA M4 - GPH1342H41AA M5 - GPH1348H41BA M6 - GPH1360H41BA		
61	B1219204	BI-FLOW FILTER DRIER, STEEL			
71	0270G00004PS	DRAIN PAN ASSY			
81	0130G00004	CUT-OUT SWITCH, LOW PRESSURE			
91	0121G00045P	POST 27.5" (M1, M2)			
91	0121G00079P	POST 32.5" (M3, M4)			
91	0121G00083P	POST 36" (M5, M6)			
101	B1226206	ACCUMULATOR (M1, M2)			
101	B1226207	ACCUMULATOR (M3, M4, M5, M6)			
111	B1339533	COMPRESSOR GROMMET (QTY 4)			
121	ZP21K5EPFV830	COMPRESSOR 21300, 208/230/60/1 (M1)			
121	ZP26K3EPFV930	COMPRESSOR 25200, 208/230/60/1 (M2)			
121	ZP31K5EPFV830	COMPRESSOR 31100, 208/230/60/1 (M3)			
121	ZP34K5EPFV830	COMPRESSOR 34500, 208/230/60/1 (M4)			
121	ZP39K5EPFV830	COMPRESSOR 39000, 208/230/60/1 (M5)			
121	ZP51K5EPFV830	COMPRESSOR 51000, 208/230/60/1 (M6)			
131	0162M00111S	FLOWRATOR .057 [EVAP] (M1)			
131	0162M00061	FLOWRATOR .065 [EVAP] (M2)			
131	0162M00053	FLOWRATOR .068 [EVAP] (M3)			
131	0162M00086	FLOWRATOR .072 [EVAP] (M4)			
131	0162M00019P	FLOWRATOR .076 [EVAP] (M5)			
131	0162M00093	FLOWRATOR .088 [EVAP] (M6)			
NS	0159G00004	COMPRESSOR SCROLL HARNESS			
NS	0121G00043P	EVAP DRIP SHIELD			
NS	0210G00008P	PROCESS TUBING ASSY			
NS	B1225022S	SOLENOID COIL			

Top Panel / Control Box Assy

Image 1

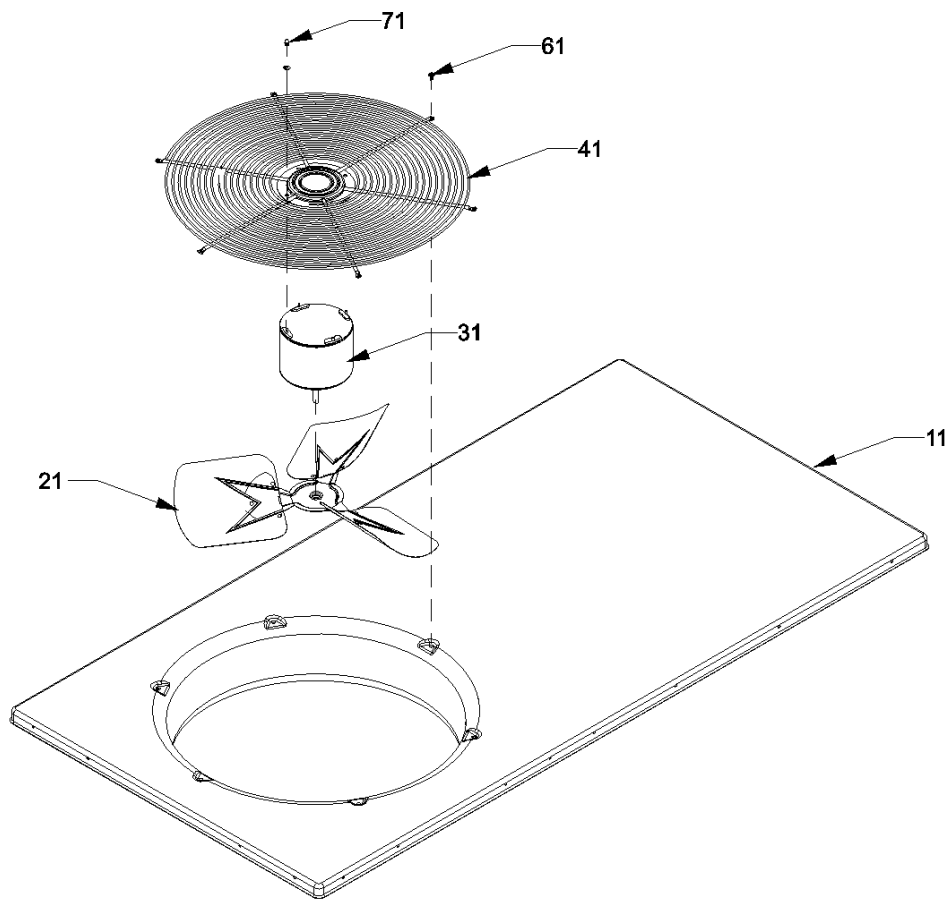
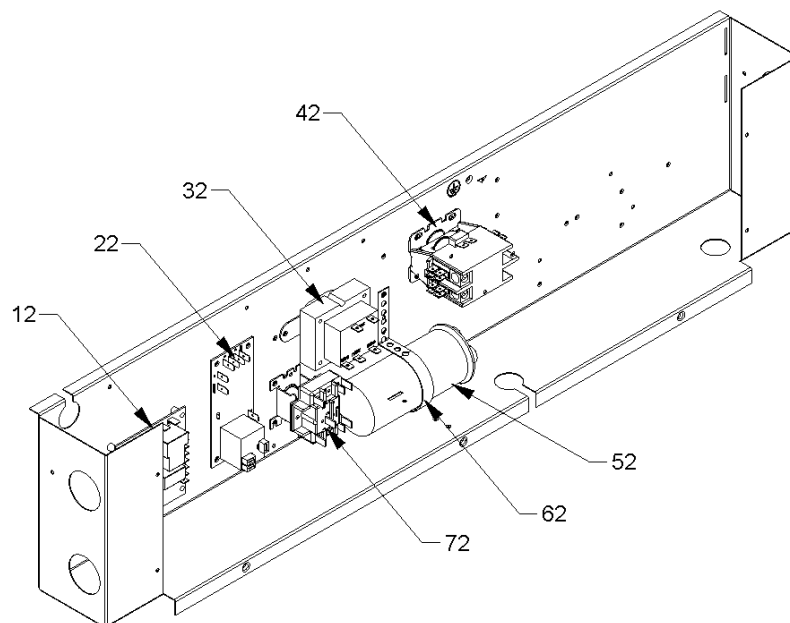


Image 2



Top Panel / Control Box Assy

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
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Image 1:

11	0274G00037	INSULATED ASSY, TOP PANEL
21	0150G00001S	FAN BLADE (M4, M5, M6)
21	B1086775S	FAN BLADE (M1, M2)
21	B1086765S	FAN BLADE TYPE 3 (M3)
31	0131M00007PS	COND MOTOR 1/4 HP, 1 SP, 6 PL (M4, M5, M6)
31	0131M00014PS	COND MOTOR 1/4 HP, 1 SP, 8 PL (M3)
31	0131M00009PS	COND MOTOR 1/6 HP, 1 SP, 8 PL (M1, M2)
41	0152G00002S	FAN GRILLE
61	M0221817	SMALL SCREW (QTY 6)
71	0163M00006P	ACORN NUT 5/16 HEX BLACK (QTY 4)
NS	17788000083F	PVC CONDUIT 8.25"
NS	0259G00003	WIRE HARNESS, ELECTRIC HEAT (M6)
NS	0259G00005	WIRE HARNESS, ELECTRIC HEAT (M1, M2, M3, M4, M5)

Image 2:

12	PCBDM101S	DEFROST CONTROL BOARD
22	PCBFM103S	BOARD, ELECTRONIC BLOWER TIME DELAY RELAY (M1, M2, M3, M4, M5)
32	B1141643	TRANSFORMER 208/230, 24V
42	CONT1P025024VS	CONTACTOR 25 AMP, 1P, 24V (M1, M2)
42	CONT2P025024VS	CONTACTOR 25 AMP, 2P, 24V (M3)
42	CONT1P030024VS	CONTACTOR 30 AMP, 1P, 24V (M5)
42	CONT2P030024VS	CONTACTOR 30 AMP, 2P, 24V (M4)
42	CONT2P040024VS	CONTACTOR 40 AMP, 2P, 24V (M6)
52	CAP050400370RSS	CAPACITOR 5/40/370V [CONTROL BOX] (M1, M2)
52	CAP050450370RSS	CAPACITOR 5/45/370V [CONTROL BOX] (M3, M4, M5)
52	CAP050700370RTS	CAPACITOR 5/70/370V [CONTROL BOX] (M6)
62	20520901	CAPACITOR STRAP
72	0130M00014	240 VOLT RELAY (M1, M2, M3, M4, M5)

Expanded Model Nomenclature

M1 - GPH1324H41AA
M2 - GPH1330H41AA
M3 - GPH1336H41AA
M4 - GPH1342H41AA
M5 - GPH1348H41BA
M6 - GPH1360H41BA

Blower Assy

Image 1

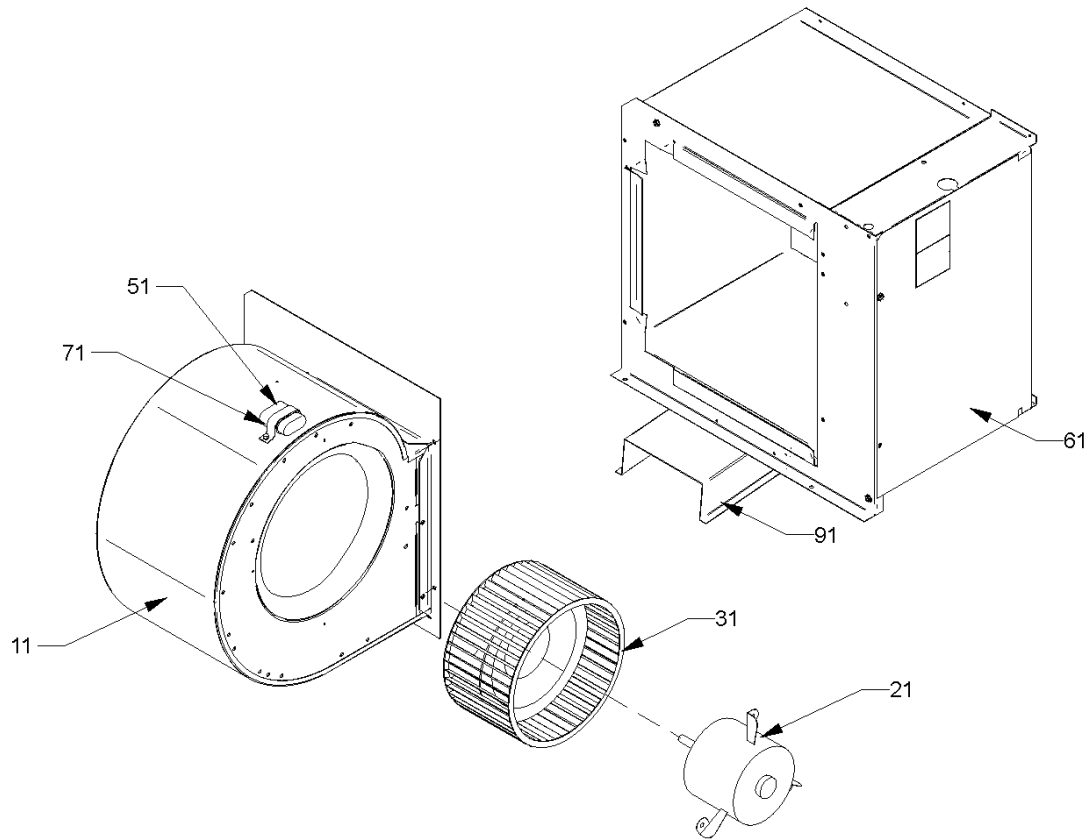
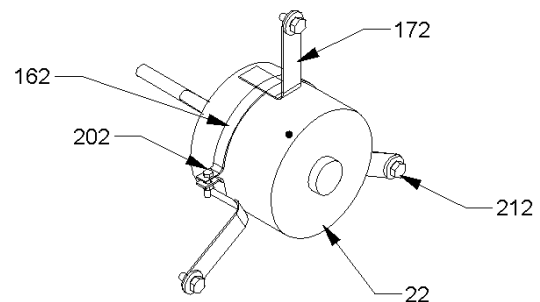


Image 2



Blower Assy

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
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Image 1:

11	10324248	BLOWER HOUSING 10 X 8 (M4, M5)
11	0271G00017	BLOWER HOUSING 11 X 8 (M6)
11	10324246	BLOWER HOUSING 9 X 6 (M1, M2)
11	10324247	BLOWER HOUSING 9 X 8 (M3)
21	0131M00010PS	BLOWER MOTOR 1/2 HP, 3 SP, 8 PL (M4, M5)
21	11091202S	BLOWER MOTOR 1/3 HP, 3 SP, 6 PL (M2, M3)
21	11091207S	BLOWER MOTOR 1/4 HP, 3 SP, 8 PL (M1)
31	B1368016S	BLOWER WHEEL 10 X 8 (M4, M5)
31	B1368054	BLOWER WHEEL 11 X 8 (M6)
31	0150M00000S	BLOWER WHEEL 9 X 6 (M2)
31	B1368042S	BLOWER WHEEL 9 X 6 (M1)
31	B1368036S	BLOWER WHEEL 9 X 8 (M3)
51	CAP100000370VAS	CAPACITOR 10/370V [BLOWER] (M1, M2, M3)
51	CAP150000370VAS	CAPACITOR 15/370V [BLOWER] (M4, M5)
61	0121G00039PS	HEATER KIT COVER
71	20520901	CAPACITOR STRAP (M1, M2, M3, M4, M5)
91	0121G00040P	BLOWER SUPPORT
NS	C6121802	BLOWER CUT-OFF (M1, M2)
NS	C6121810	BLOWER CUT-OFF (M3, M4, M5)
NS	2964700	BLOWER CUT-OFF 11 X 8 (M6)
NS	B821700	CAPACITOR BOOT (M1, M2, M3, M4, M5)
NS	M0250558	TC SCREW (M1, M2, M3, M4, M5)

Image 2:

22	0231K00042	BLOWER MOTOR 3/4 HP PROGRAMMED X13 (M6)
162	0121M00038	MOTOR MOUNT BAND (M6)
172	B1376857	MOTOR MOUNT ARM (M6)
202	B1393323	MACHINE SCREW HWH 1/4-20 X 1-1/2 BZ (M6)
212	M0250565	TC SCREW 1.25" (M6)

Expanded Model Nomenclature

M1 - GPH1324H41AA
M2 - GPH1330H41AA
M3 - GPH1336H41AA
M4 - GPH1342H41AA
M5 - GPH1348H41BA
M6 - GPH1360H41BA

