

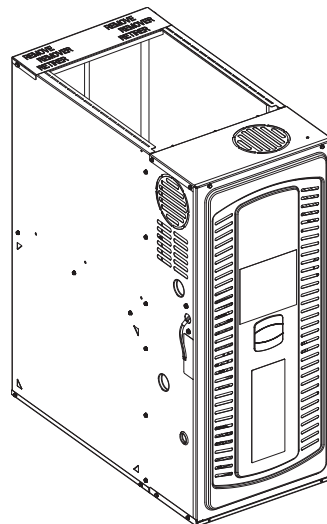


Product Data

Modular Blowers — No Heat

Upflow, Downflow, Horizontal Right/Left

P0V0A000M30SCA
P0V0B000M40SCA
P0V0C000M50SCA
P0V0D000M50SCA



The P0V0 series modular blower is designed for installation in a closet, utility room, alcove, basement, crawlspace or attic. These versatile units are applicable to air conditioning and heat pump applications. Several models are available to meet the specific requirements of the outdoor equipment.



General Features

INTEGRATED SYSTEM CONTROL

Exclusively designed operational program provides total control of blowers and includes self diagnostics for ease of service.

ENERGY EFFICIENT OPERATION

Air-Tite™ cabinet design is certified to <1% air leakage per ASHRAE 193 "Method of Test for Determining the Airtightness of HVAC Equipment."

AIR DELIVERY

The variable speed blower motor has sufficient airflow for most heating and cooling requirements and will switch from heating to cooling speeds on demand from room thermostat.

STYLING

Heavy gauge steel and "wrap-around" cabinet construction is used in the cabinet with baked-on enamel finish for strength and beauty.

MATCHES S-SERIES FURNACE DIMENSIONS

34" cabinet height

Standard furnace widths: 14.5", 17.5", 21", 24.5"

ALL ELECTRIC OPERATION

120V wiring connections

Reduces carbon footprint



Features and Benefits

VARIABLE SPEED BLOWER MOTOR

Helps lower utility bills

Whole home humidity control

ELECTRICALLY EFFICIENT

Efficient airflow design reduces electrical energy use

Entirely electric operation reduces home HVAC emissions

34 INCH TALL

Lighter, easier to move and fit into tight spaces like short basements or tight closets

Works great with larger, high-efficiency coils

4-WAY MULTI-POISE

All models are convertible to Upflow / Downflow / Horizontal Left / Horizontal Right

Added application flexibility and reduction in specification errors

AIRFLOW

At least 400 CFM/ton at 0.5 in. H₂O external static pressure

REGULATORY

All models are air tight; 1% or less air leakage as per ASHRAE 193

Open vestibule design provides a full 34" high open vestibule for ease of installation and service

DIMENSIONS

Widths match furnace standards: 14.5", 17.5", 21", and 24.5"

Depth remains approximately 28"

Compatible with industry standard coils and accessories

INTEGRATED MODULAR BLOWER CONTROL

Setup / Status / Diagnostics / Digital Display

No dip switches

Last six errors stored

Dry contact EAC and HUM connections

All Molex connections; no spade terminals

Low voltage labeled above and below

Rain shield over IMBC keeps condensate off the control

EXCLUSIVELY DESIGNED VORTICA™ II BLOWER

Improved airflow efficiency

Durable, easy to clean housing

Single piece belly band/ motor arm assembly

Blower deck has full-length rails for easy removal and replacement, regardless of poise

120V WIRING CONNECTIONS

Easier transitions from AC/furnace to HP/Air handler systems

No need to re-wire for 220 volts that traditional air handlers require

Accessories

Table 1. Accessories

Model Number	Description	Use with
BAYHANG	Horizontal Hanging Kit	All modular blowers
BAYLIFTB	Dual Return Kit (B size extension)	B Cabinet modular blowers
BAYLIFTC	Dual Return Kit (C size extension)	C Cabinet modular blowers
BAYLIFTD	Dual Return Kit (D size extension)	D Cabinet modular blowers
BAYFLTR206	Filter Access Door Kit (Downflow only)	All modular blowers in Downflow orientation
BAYSF1165AA ^(a)	1" SlimFit Box with 16X20 MERV 4 Filter	All modular blowers
BAYSF1255BA	1" SlimFit Box with 16X25 MERV 4 Filter	All modular blowers when used in side return application B Cabinet modular blowers only when in bottom return application
FLRSF1255	1" Filter replacement (Qty 12)	BAYSF1255BA
BAYFLTR203	Horizontal Filter Kit	B Cabinet modular blowers in Downflow/ Horizontal
BAYFLTR204	Horizontal Filter Kit	C Cabinet modular blowers in Downflow/ Horizontal
BAYFLTR205	Horizontal Filter Kit	D Cabinet modular blowers in Downflow/ Horizontal

^(a) Airflow greater than 1600 CFM requires dual returns



Product Specifications

MODEL	P0V0A000M30SCA	P0V0B000M40SCA	P0V0C000M50SCA	P0V0D000M50SCA
TYPE	Upflow / Horizontal / Downflow	Upflow / Horizontal / Downflow	Upflow / Horizontal / Downflow	Upflow / Horizontal / Downflow
BLOWER DRIVE	DIRECT	DIRECT	DIRECT	DIRECT
Diameter - Width (in.)	11 X 8	11 X 8	11 X 10	11 X 10
No. Used	1	1	1	1
Speeds (No.)	Variable	Variable	Variable	Variable
CFM vs. in. w.g.	See Fan Performance Table	See Fan Performance Table	See Fan Performance Table	See Fan Performance Table
Motor HP	1/2	3/4	1	1
R.P.M.	Variable	Variable	Variable	Variable
Volts / Ph / Hz	120 / 1 / 60	120 / 1 / 60	120 / 1 / 60	120 / 1 / 60
FLA (Panasonic V2)	5.7	8	10.5	10.5
FILTER — Furnished?	No	No	No	No
Type recommended	High Velocity	High Velocity	High Velocity	High Velocity
Hi Vel. (No.-Size-Thk.)	1 - 14 X 25 - 1 in.	1 - 16 X 25 - 1 in.	1 - 20 X 25 - 1 in.	1 - 24 X 25 - 1 in.
POWER CONN. — V/Ph/Hz ^(a)	120 / 1 / 60	120 / 1 / 60	120 / 1 / 60	120 / 1 / 60
Ampacity (In Amps)	2.2	7.5	7.5	8.1
Max. Overcurrent Protection (Amps)	15	15	15	15
WEIGHT				
Shipping (Lbs.)	83	92	101	107

^(a) The wiring specifications are in accordance with National Electrical Code; however, installations must comply with local codes.

Airflow Tables

P0V0A000M30SCA Modular Blower Cooling Airflow (CFM) and Power (Watts) Vs. External Static Pressure without Filter								
Cooling	Unit Outdoor	Airflow Setting (CFM/Ton)		EXTERNAL STATIC PRESSURE (IN. W. C.)				
				0.1	0.3	0.5	0.7	0.9
Cooling	1.5 Ton	Cooling 450 CFM/Ton	CFM	697	687	669	652	638
			Watts	47	87	130	176	224
		Cooling 420 CFM/Ton	CFM	653	641	622	603	588
			Watts	41	79	120	164	211
		Cooling 400 CFM/Ton	CFM	623	610	590	570	555
			Watts	37	74	113	156	202
		Cooling 370 CFM/Ton	CFM	579	563	542	520	503
			Watts	32	66	104	146	190
		Cooling 350 CFM/Ton	CFM	548	532	509	486	468
			Watts	29	62	99	139	183
		Cooling 330 CFM/Ton	CFM	518	500	476	452	433
			Watts	26	58	93	133	176
		Cooling 310 CFM/Ton	CFM	488	468	442	418	397
			Watts	23	54	88	127	169
		Cooling 290 CFM/Ton	CFM	457	436	408	382	361
			Watts	21	50	83	121	163
Cooling	2.0 Ton	Cooling 450 CFM/Ton	CFM	913	907	896	884	875
			Watts	88	139	193	248	306
		Cooling 420 CFM/Ton	CFM	856	850	837	824	814
			Watts	75	124	174	227	282
		Cooling 400 CFM/Ton	CFM	818	811	797	783	772
			Watts	68	114	163	214	267
		Cooling 370 CFM/Ton	CFM	761	752	736	721	709
			Watts	57	100	146	195	246
		Cooling 350 CFM/Ton	CFM	722	712	695	679	666
			Watts	51	92	136	183	232
		Cooling 330 CFM/Ton	CFM	683	672	654	636	622
			Watts	45	84	127	172	220
		Cooling 310 CFM/Ton	CFM	643	631	611	592	577
			Watts	40	77	118	161	208
		Cooling 290 CFM/Ton	CFM	603	590	569	548	532
			Watts	35	70	109	151	197

P0V0A000M30SCA Modular Blower Cooling Airflow (CFM) and Power (Watts) Vs. External Static Pressure without Filter								
Cooling	Unit Outdoor	Airflow Setting (CFM/Ton)		EXTERNAL STATIC PRESSURE (IN. W. C.)				
				0.1	0.3	0.5	0.7	0.9
Cooling	2.5 Ton	Cooling 450 CFM/Ton	CFM	1119	1114	1106	1098	1093
			Watts	148	212	276	342	410
		Cooling 420 CFM/Ton	CFM	1051	1047	1038	1029	1023
			Watts	126	185	246	308	372
		Cooling 400 CFM/Ton	CFM	1006	1001	991	981	974
			Watts	112	169	227	287	349
		Cooling 370 CFM/Ton	CFM	936	931	920	909	900
			Watts	94	146	201	258	316
		Cooling 350 CFM/Ton	CFM	889	883	871	859	850
			Watts	82	133	185	239	296
		Cooling 330 CFM/Ton	CFM	842	835	822	809	799
			Watts	72	120	170	222	276
		Cooling 310 CFM/Ton	CFM	794	786	772	758	746
			Watts	63	108	156	206	258
		Cooling 290 CFM/Ton	CFM	746	737	721	705	693
			Watts	55	97	142	190	241
Cooling	3.0 Ton	Cooling 450 CFM/Ton	CFM	1315	1310	1303	1297	1294
			Watts	233	308	384	461	539
		Cooling 420 CFM/Ton	CFM	1238	1233	1226	1219	1215
			Watts	196	266	338	410	484
		Cooling 400 CFM/Ton	CFM	1185	1181	1173	1166	1162
			Watts	174	241	309	379	450
		Cooling 370 CFM/Ton	CFM	1105	1101	1093	1085	1079
			Watts	144	206	270	335	402
		Cooling 350 CFM/Ton	CFM	1051	1047	1038	1029	1023
			Watts	126	185	246	308	372
		Cooling 330 CFM/Ton	CFM	996	991	982	972	965
			Watts	109	166	224	283	344
		Cooling 310 CFM/Ton	CFM	941	935	924	914	905
			Watts	95	148	203	259	318
		Cooling 290 CFM/Ton	CFM	885	878	866	854	845
			Watts	81	131	183	237	294

Airflow Tables

POV0B000M40SCA Modular Blower Cooling Airflow (CFM) and Power (Watts) Vs. External Static Pressure without Filter								
Cooling	Unit Outdoor	Airflow Setting (CFM/Ton)		EXTERNAL STATIC PRESSURE (IN. W. C.)				
				0.1	0.3	0.5	0.7	0.9
Cooling	2.5 Ton	Cooling 450 CFM/Ton	CFM	1153	1153	1153	1153	1153
			Watts	134	187	240	293	346
		Cooling 420 CFM/Ton	CFM	1076	1076	1076	1076	1076
			Watts	110	161	211	262	312
		Cooling 400 CFM/Ton	CFM	1025	1050	1061	1067	1072
			Watts	96	153	206	259	310
		Cooling 370 CFM/Ton	CFM	948	948	948	948	948
			Watts	78	124	171	217	262
		Cooling 350 CFM/Ton	CFM	896	896	896	896	896
			Watts	68	112	157	201	244
		Cooling 330 CFM/Ton	CFM	845	845	845	845	845
			Watts	59	101	144	186	227
		Cooling 310 CFM/Ton	CFM	794	794	794	794	794
			Watts	51	91	132	173	211
		Cooling 290 CFM/Ton	CFM	743	860	863	859	782
			Watts	43	104	149	190	207
Cooling	3.0 Ton	Cooling 450 CFM/Ton	CFM	1383	1383	1383	1383	1383
			Watts	232	292	352	413	473
		Cooling 420 CFM/Ton	CFM	1291	1291	1291	1291	1291
			Watts	188	245	302	360	417
		Cooling 400 CFM/Ton	CFM	1229	1249	1248	1255	1258
			Watts	162	226	282	341	399
		Cooling 370 CFM/Ton	CFM	1137	1137	1137	1137	1137
			Watts	129	181	234	287	339
		Cooling 350 CFM/Ton	CFM	1076	1076	1076	1076	1076
			Watts	110	161	211	262	312
		Cooling 330 CFM/Ton	CFM	1014	1014	1014	1014	1014
			Watts	94	142	191	239	287
		Cooling 310 CFM/Ton	CFM	953	953	953	953	953
			Watts	79	126	172	218	263
		Cooling 290 CFM/Ton	CFM	891	891	891	891	891
			Watts	67	111	156	199	242

POV0B000M40SCA Modular Blower Cooling Airflow (CFM) and Power (Watts) Vs. External Static Pressure without Filter								
Cooling	Unit Outdoor	Airflow Setting (CFM/Ton)		EXTERNAL STATIC PRESSURE (IN. W. C.)				
				0.1	0.3	0.5	0.7	0.9
Cooling	3.5 Ton	Cooling 450 CFM/Ton	CFM	1649	1641	1628	1604	1573
			Watts	404	465	522	569	611
		Cooling 420 CFM/Ton	CFM	1543	1536	1528	1517	1505
			Watts	326	387	445	502	558
		Cooling 400 CFM/Ton	CFM	1472	1467	1461	1460	1460
			Watts	281	341	400	462	525
		Cooling 370 CFM/Ton	CFM	1327	1327	1327	1327	1327
			Watts	204	262	321	380	438
		Cooling 350 CFM/Ton	CFM	1255	1255	1255	1255	1255
			Watts	173	228	285	341	397
		Cooling 330 CFM/Ton	CFM	1183	1183	1183	1183	1183
			Watts	145	199	253	307	361
		Cooling 310 CFM/Ton	CFM	1112	1112	1112	1112	1112
			Watts	121	172	224	276	327
		Cooling 290 CFM/Ton	CFM	1040	1040	1040	1040	1040
			Watts	100	150	199	248	297
Cooling	4.0 Ton	Cooling 450 CFM/Ton	CFM	1876	1866	1843	1788	1718
			Watts	615	678	727	741	741
		Cooling 420 CFM/Ton	CFM	1755	1746	1729	1690	1641
			Watts	494	556	611	644	669
		Cooling 400 CFM/Ton	CFM	1674	1666	1652	1624	1589
			Watts	424	486	542	586	624
		Cooling 370 CFM/Ton	CFM	1553	1546	1537	1525	1512
			Watts	333	394	452	508	562
		Cooling 350 CFM/Ton	CFM	1472	1467	1461	1460	1460
			Watts	281	341	400	462	525
		Cooling 330 CFM/Ton	CFM	1352	1352	1352	1352	1352
			Watts	216	275	335	394	453
		Cooling 310 CFM/Ton	CFM	1270	1270	1270	1270	1270
			Watts	179	235	292	349	406
		Cooling 290 CFM/Ton	CFM	1188	1188	1188	1188	1188
			Watts	147	201	255	309	363

Airflow Tables

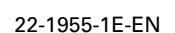
POV0C000M50SCA Modular Blower Cooling Airflow (CFM) and Power (Watts) Vs. External Static Pressure without Filter								
Cooling	Unit Outdoor	Airflow Setting (CFM/Ton)		EXTERNAL STATIC PRESSURE (IN. W. C.)				
				0.1	0.3	0.5	0.7	0.9
Cooling	3.5 Ton	Cooling 450 CFM/Ton	CFM	1614	1614	1614	1614	1614
			Watts	187	272	347	414	474
		Cooling 420 CFM/Ton	CFM	1507	1507	1507	1507	1507
			Watts	155	236	306	368	424
		Cooling 400 CFM/Ton	CFM	1435	1471	1486	1494	1500
			Watts	136	224	298	363	421
		Cooling 370 CFM/Ton	CFM	1327	1327	1327	1327	1327
			Watts	112	185	247	303	353
		Cooling 350 CFM/Ton	CFM	1256	1256	1256	1256	1256
			Watts	98	167	227	280	327
		Cooling 330 CFM/Ton	CFM	1184	1184	1184	1184	1184
			Watts	85	152	209	259	304
		Cooling 310 CFM/Ton	CFM	1112	1112	1112	1112	1112
			Watts	75	138	192	239	282
		Cooling 290 CFM/Ton	CFM	1040	1077	1087	1099	1088
			Watts	65	131	186	236	275
Cooling	4.0 Ton	Cooling 450 CFM/Ton	CFM	1885	1887	1897	1908	1916
			Watts	294	390	481	565	641
		Cooling 420 CFM/Ton	CFM	1722	1722	1722	1722	1722
			Watts	225	314	393	464	528
		Cooling 400 CFM/Ton	CFM	1640	1640	1640	1640	1640
			Watts	196	282	357	425	486
		Cooling 370 CFM/Ton	CFM	1517	1517	1517	1517	1517
			Watts	158	239	309	372	429
		Cooling 350 CFM/Ton	CFM	1435	1471	1486	1494	1500
			Watts	136	224	298	363	421
		Cooling 330 CFM/Ton	CFM	1353	1353	1353	1353	1353
			Watts	117	191	255	312	362
		Cooling 310 CFM/Ton	CFM	1271	1271	1271	1271	1271
			Watts	101	171	231	285	333
		Cooling 290 CFM/Ton	CFM	1189	1189	1189	1189	1189
			Watts	86	153	210	260	305

P0V0C000M50SCA Modular Blower Cooling Airflow (CFM) and Power (Watts) Vs. External Static Pressure without Filter								
Cooling	Unit Outdoor	Airflow Setting (CFM/Ton)		EXTERNAL STATIC PRESSURE (IN. W. C.)				
				0.1	0.3	0.5	0.7	0.9
Cooling	4.5 Ton	Cooling 450 CFM/Ton	CFM	2122	2113	2119	2128	2131
			Watts	422	520	618	710	792
		Cooling 420 CFM/Ton	CFM	1980	1977	1985	1996	2002
			Watts	341	438	532	620	698
		Cooling 400 CFM/Ton	CFM	1885	1887	1897	1908	1916
			Watts	294	390	481	565	641
		Cooling 370 CFM/Ton	CFM	1706	1706	1706	1706	1706
			Watts	219	308	386	457	520
		Cooling 350 CFM/Ton	CFM	1614	1614	1614	1614	1614
			Watts	187	272	347	414	474
		Cooling 330 CFM/Ton	CFM	1522	1522	1522	1522	1522
			Watts	159	240	311	374	431
		Cooling 310 CFM/Ton	CFM	1430	1430	1430	1430	1430
			Watts	135	212	279	339	392
		Cooling 290 CFM/Ton	CFM	1338	1338	1338	1338	1338
			Watts	114	187	250	306	356
Cooling	5.0 Ton	Cooling 450 CFM/Ton	CFM	2358	2339	2340	2348	2347
			Watts	591	686	788	888	975
		Cooling 420 CFM/Ton	CFM	2201	2188	2193	2201	2203
			Watts	474	571	670	766	849
		Cooling 400 CFM/Ton	CFM	2096	2088	2094	2103	2107
			Watts	406	504	601	693	774
		Cooling 370 CFM/Ton	CFM	1938	1937	1946	1957	1964
			Watts	319	416	509	595	672
		Cooling 350 CFM/Ton	CFM	1794	1794	1794	1794	1794
			Watts	253	345	427	501	568
		Cooling 330 CFM/Ton	CFM	1691	1691	1691	1691	1691
			Watts	214	302	379	449	512
		Cooling 310 CFM/Ton	CFM	1589	1589	1589	1589	1589
			Watts	179	263	337	402	462
		Cooling 290 CFM/Ton	CFM	1486	1486	1486	1486	1486
			Watts	149	229	298	360	416

Airflow Tables

P0V0D000M50SCA Modular Blower Cooling Airflow (CFM) and Power (Watts) Vs. External Static Pressure without Filter								
Cooling	Unit Outdoor	Airflow Setting (CFM/Ton)		EXTERNAL STATIC PRESSURE (IN. W. C.)				
				0.1	0.3	0.5	0.7	0.9
Cooling	3.5 Ton	Cooling 450 CFM/Ton	CFM	1617	1617	1617	1617	1617
			Watts	183	247	313	382	453
		Cooling 420 CFM/Ton	CFM	1510	1510	1510	1510	1510
			Watts	153	213	276	341	408
		Cooling 400 CFM/Ton	CFM	1503	1531	1539	1537	1548
			Watts	151	219	286	351	423
		Cooling 370 CFM/Ton	CFM	1330	1330	1330	1330	1330
			Watts	111	164	221	280	342
		Cooling 350 CFM/Ton	CFM	1258	1258	1258	1258	1258
			Watts	97	148	202	259	319
		Cooling 330 CFM/Ton	CFM	1186	1186	1186	1186	1186
			Watts	84	132	184	239	297
		Cooling 310 CFM/Ton	CFM	1114	1114	1114	1114	1114
			Watts	72	118	168	221	277
		Cooling 290 CFM/Ton	CFM	1089	1112	1127	1143	1152
			Watts	68	118	171	228	287
Cooling	4.0 Ton	Cooling 450 CFM/Ton	CFM	1959	1958	1963	1970	1967
			Watts	305	381	462	547	628
		Cooling 420 CFM/Ton	CFM	1725	1725	1725	1725	1725
			Watts	217	285	355	427	501
		Cooling 400 CFM/Ton	CFM	1643	1643	1643	1643	1643
			Watts	191	255	323	392	464
		Cooling 370 CFM/Ton	CFM	1520	1520	1520	1520	1520
			Watts	156	216	279	344	412
		Cooling 350 CFM/Ton	CFM	1503	1531	1539	1537	1548
			Watts	151	219	286	351	423
		Cooling 330 CFM/Ton	CFM	1356	1356	1356	1356	1356
			Watts	116	171	228	288	351
		Cooling 310 CFM/Ton	CFM	1273	1273	1273	1273	1273
			Watts	100	151	206	263	323
		Cooling 290 CFM/Ton	CFM	1191	1191	1191	1191	1191
			Watts	85	133	185	240	298

P0V0D000M50SCA Modular Blower Cooling Airflow (CFM) and Power (Watts) Vs. External Static Pressure without Filter								
Cooling	Unit Outdoor	Airflow Setting (CFM/Ton)		EXTERNAL STATIC PRESSURE (IN. W. C.)				
				0.1	0.3	0.5	0.7	0.9
Cooling	4.5 Ton	Cooling 450 CFM/Ton	CFM	2205	2199	2197	2197	2187
			Watts	422	504	590	679	763
		Cooling 420 CFM/Ton	CFM	2057	2055	2057	2060	2055
			Watts	349	427	510	597	679
		Cooling 400 CFM/Ton	CFM	1959	1958	1963	1970	1967
			Watts	305	381	462	547	628
		Cooling 370 CFM/Ton	CFM	1710	1710	1710	1710	1710
			Watts	212	279	349	421	494
		Cooling 350 CFM/Ton	CFM	1617	1617	1617	1617	1617
			Watts	183	247	313	382	453
		Cooling 330 CFM/Ton	CFM	1525	1525	1525	1525	1525
			Watts	157	217	281	346	414
		Cooling 310 CFM/Ton	CFM	1433	1433	1433	1433	1433
			Watts	134	191	251	313	378
		Cooling 290 CFM/Ton	CFM	1340	1340	1340	1340	1340
			Watts	113	167	224	283	345
Cooling	5.0 Ton	Cooling 450 CFM/Ton	CFM	2452	2440	2430	2423	2407
			Watts	567	653	742	834	921
		Cooling 420 CFM/Ton	CFM	2288	2280	2274	2272	2261
			Watts	467	550	637	728	813
		Cooling 400 CFM/Ton	CFM	2178	2172	2171	2171	2163
			Watts	408	489	574	663	747
		Cooling 370 CFM/Ton	CFM	2013	2012	2015	2020	2016
			Watts	329	406	489	574	656
		Cooling 350 CFM/Ton	CFM	1797	1797	1797	1797	1797
			Watts	242	312	385	460	537
		Cooling 330 CFM/Ton	CFM	1694	1694	1694	1694	1694
			Watts	207	273	343	414	487
		Cooling 310 CFM/Ton	CFM	1592	1592	1592	1592	1592
			Watts	176	238	304	372	441
		Cooling 290 CFM/Ton	CFM	1489	1489	1489	1489	1489
			Watts	148	207	269	333	400



NOTES:

1. USE COPPER CONDUCTORS ONLY.
2. FOR PROPER AIRFLOW IN COOLING/HEAT PUMP MODES, Y1 AND/OR Y2 MUST CONNECT FROM THE THERMOSTAT TO THE IMBC LOW VOLTAGE TERMINAL STRIP.
3. FOR COOLING ONLY SYSTEMS, LEAVE Y1-O JUMPER IN PLACE ON THE IMBC FOR CORRECT LED READOUT.
4. FOR HEATPUMP SYSTEMS, REMOVE THE Y1-O JUMPER, CONNECT "O" FROM THE THERMOSTAT TO "O" ON THE IMBC LOW VOLTAGE TERMINAL STRIP FOR CORRECT LED READOUT.
5. VSPD OD SYSTEMS REQUIRE DIFFERENT CONNECTIONS, SEE RELAY PANEL INSTRUCTIONS.
6. AIRFLOW TABLES ARE LOCATED IN THE SERVICE FACTS. TO CHANGE AIRFLOW, REFER TO THE INTEGRATED CONTROL MENU AND OPTIONS TO SET AIRFLOW AND BLOWER DELAYS.
7. THE "BK" JUMPER MUST BE CUT WHEN APPLYING AN AIRFLOW COMMAND TO THE "BK" TERMINAL SUCH AS PULSE WIDTH MODULATION.
8. CORRECT PERSONALITY MODULE IS REQUIRED FOR PROPER BLOWER OPERATION. PERSONALITY MODULE IS SPECIFIC TO EACH MODEL & SERIAL NUMBER, AND IS TO REMAIN WITHIN ITS ORIGINAL UNIT.
9. DO NOT CONNECT TO W1 OR W2 OF THE IMBC.
10. LINE CHOKE ONLY USED ON MODELS WITH 1 HP MOTORS.
11. MODELS WITH 3/4 HP MOTORS USE JUMPER BETWEEN WIRES BK/27 AND BK/28.

ECM Blower Motor

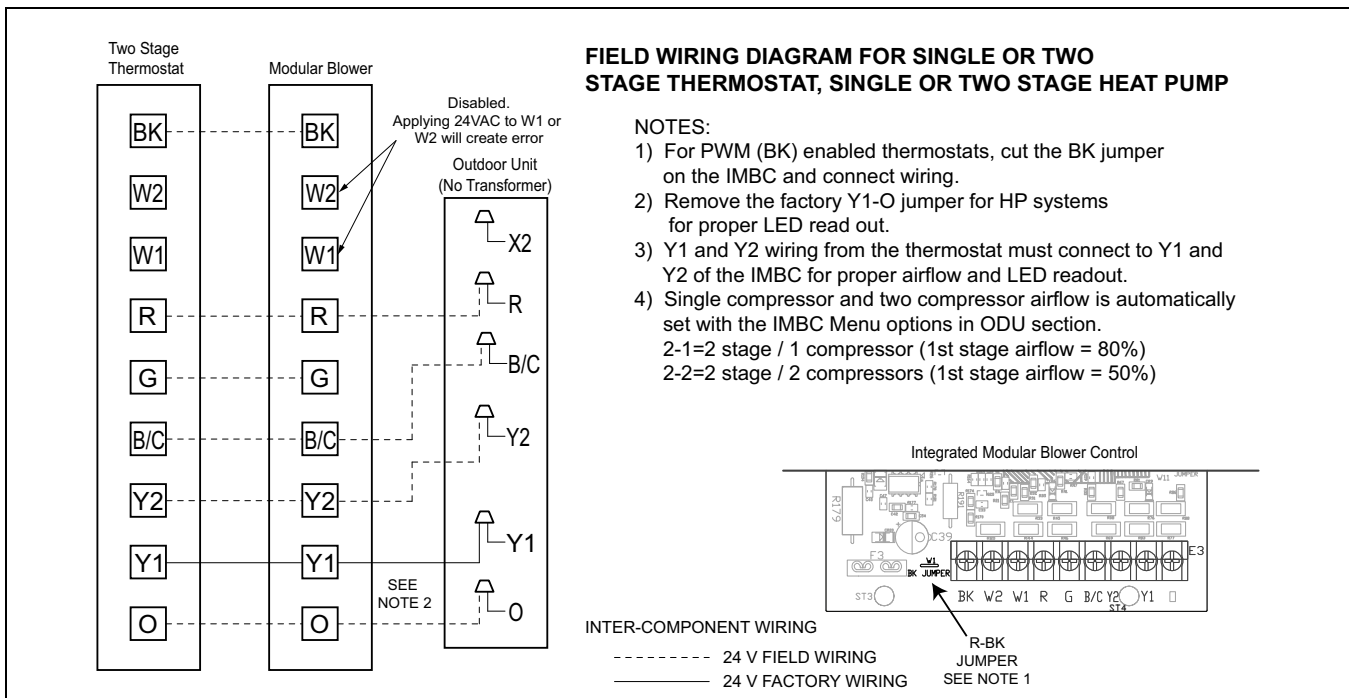
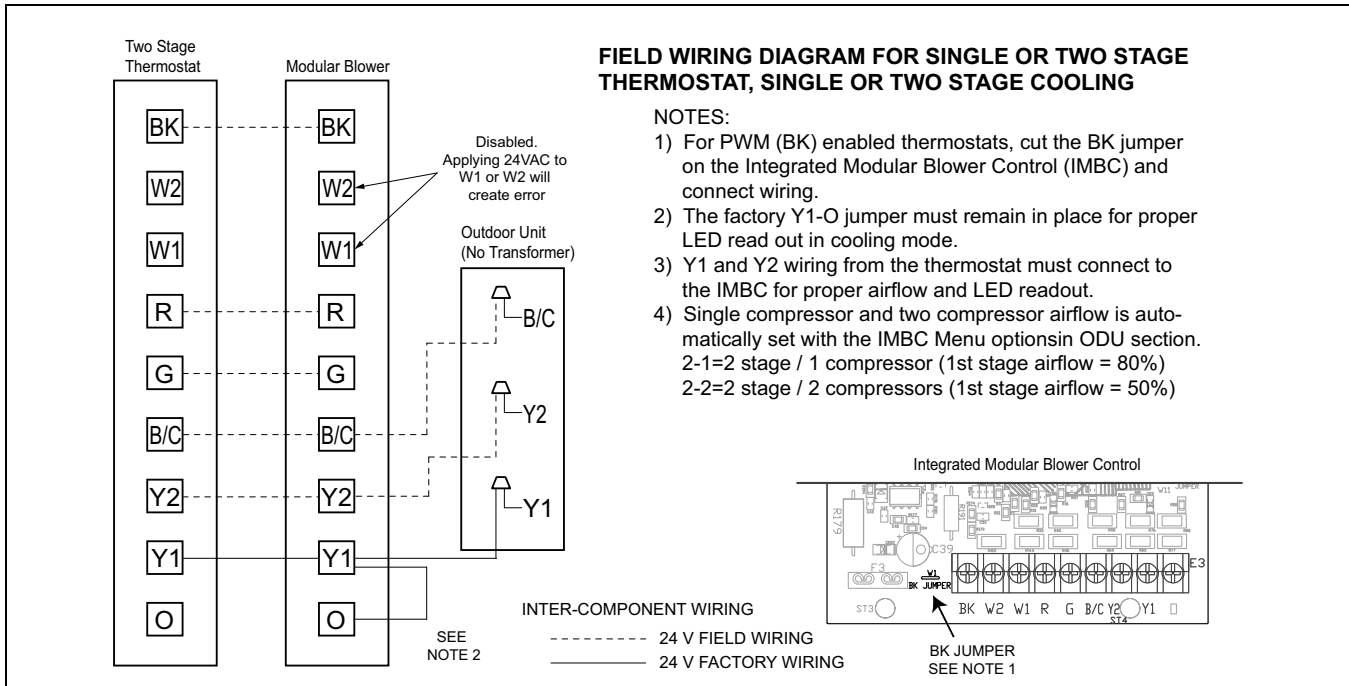
Status Codes		ECM	Blower Constant Fan Airflow Multiplier %	E 1B	Blower communication failure on the control
Idle	Idle	EC	Cooling (CFM/Ton)		
Airflow (followed by Airflow x 10)		EPH	Heat Pump Heating (CFM/Ton)		
		Hod	Not Applicable		
ECF	Continuous Fan	I 5d	Not Applicable		
CL 1	1st Stage Cooling	gHC	Not Applicable		
CL 2	2nd Stage Heat Pump	rUn	Run Test Mode		
HP 1	1st Stage Heat Pump	ERROR CODES			
HP 2	2nd Stage Heat Pump	EO 1	Loss of the IRQ/other internal failures		
Menu Options		E5_ 1	Voltage reversed polarity		
Err	Active Alarm Menu	E5_ 2	Bad Grounding		
L6F	Last 6 Faults (To Clear, Hold Option Button 5 sec)	E 12	Open fuse		
		E 13	Blower HP/OEM ID		
Cr	Code Release Number	E 14	No PM and local copy bad		
COd	Cooling Off Delay (sec)	E 15	Both Unit Data File in PM and local Unit Data File are Corrupt		
OdE	Outdoor Tonnage				
OdU	Outdoor Unit	E 17	Blower motor no communication response		

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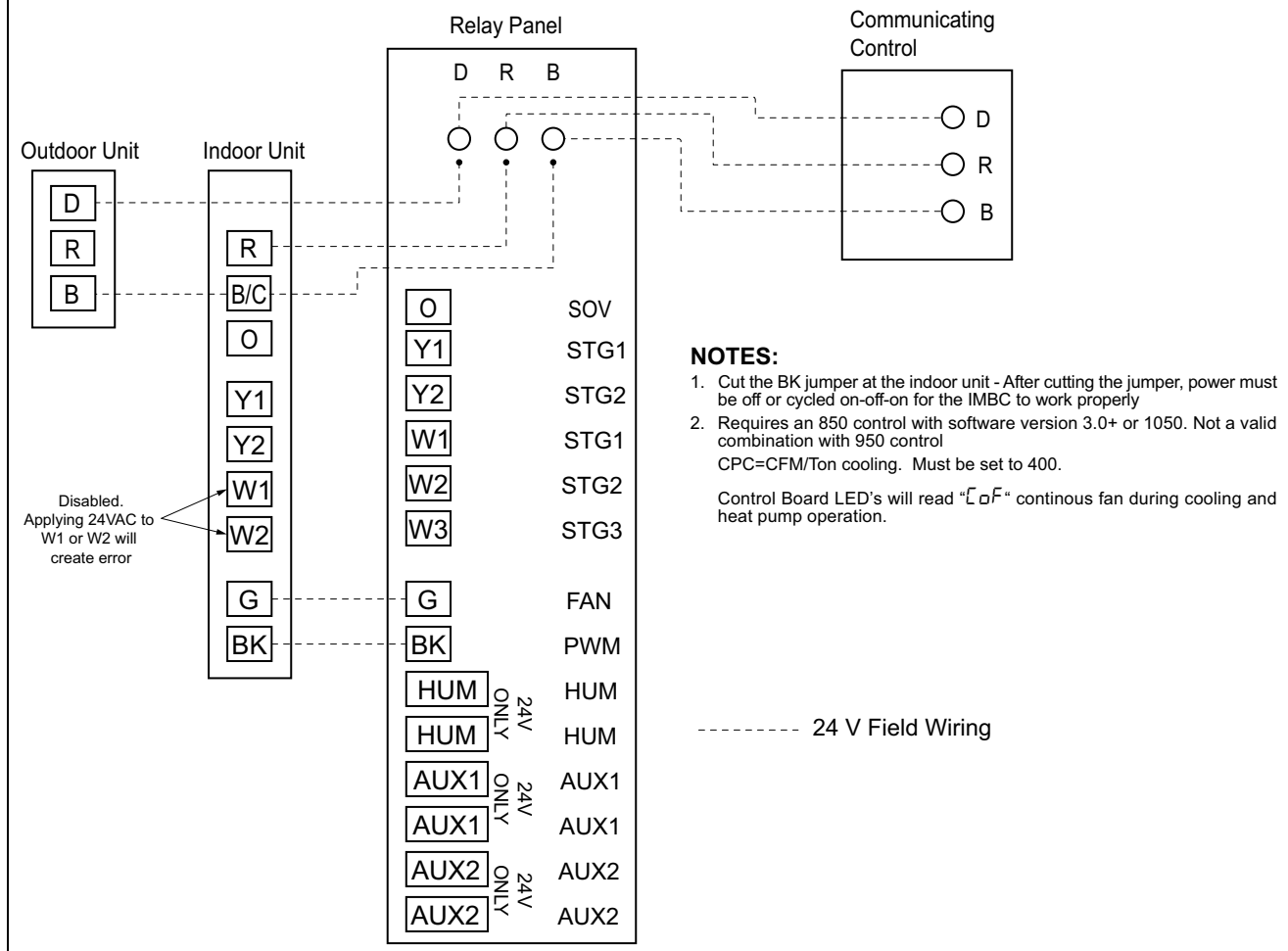
Electrical Connections

Make wiring connections to the unit as indicated on enclosed wiring diagram. This modular blower shall be connected into a permanently live electric circuit. It is recommended that modular blower be provided with a separate "circuit protection device" electric circuit. The modular blower must be electrically grounded in accordance with local codes or in the absence of local codes with the National Electrical Code, ANSI/NFPA 70, if an external electrical source is utilized. **The integrated modular blower control is polarity sensitive.** The hot leg of the 120V power supply must be connected to the black power lead as indicated on the wiring diagram. Refer to the SERVICE FACTS literature and unit wiring diagram attached to modular blower.

Field Wiring



COMMUNICATING CONTROLS WITH NON-COMMUNICATING MODULAR BLOWER AND COMMUNICATING VS COOLING/HP



[illegible]

A SIZE

22-1955-1E-EN



Table 4. 21" Width Cabinet

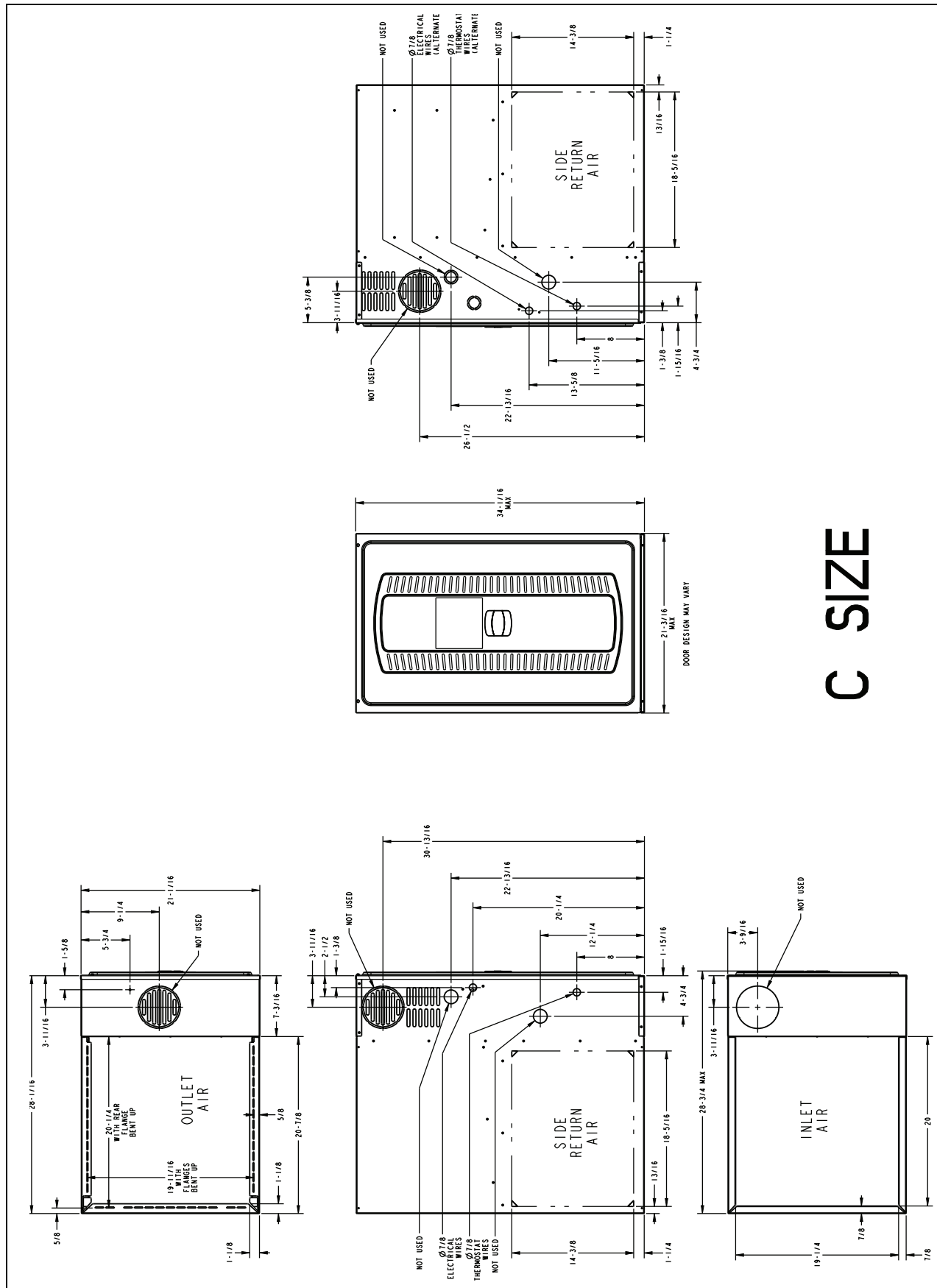
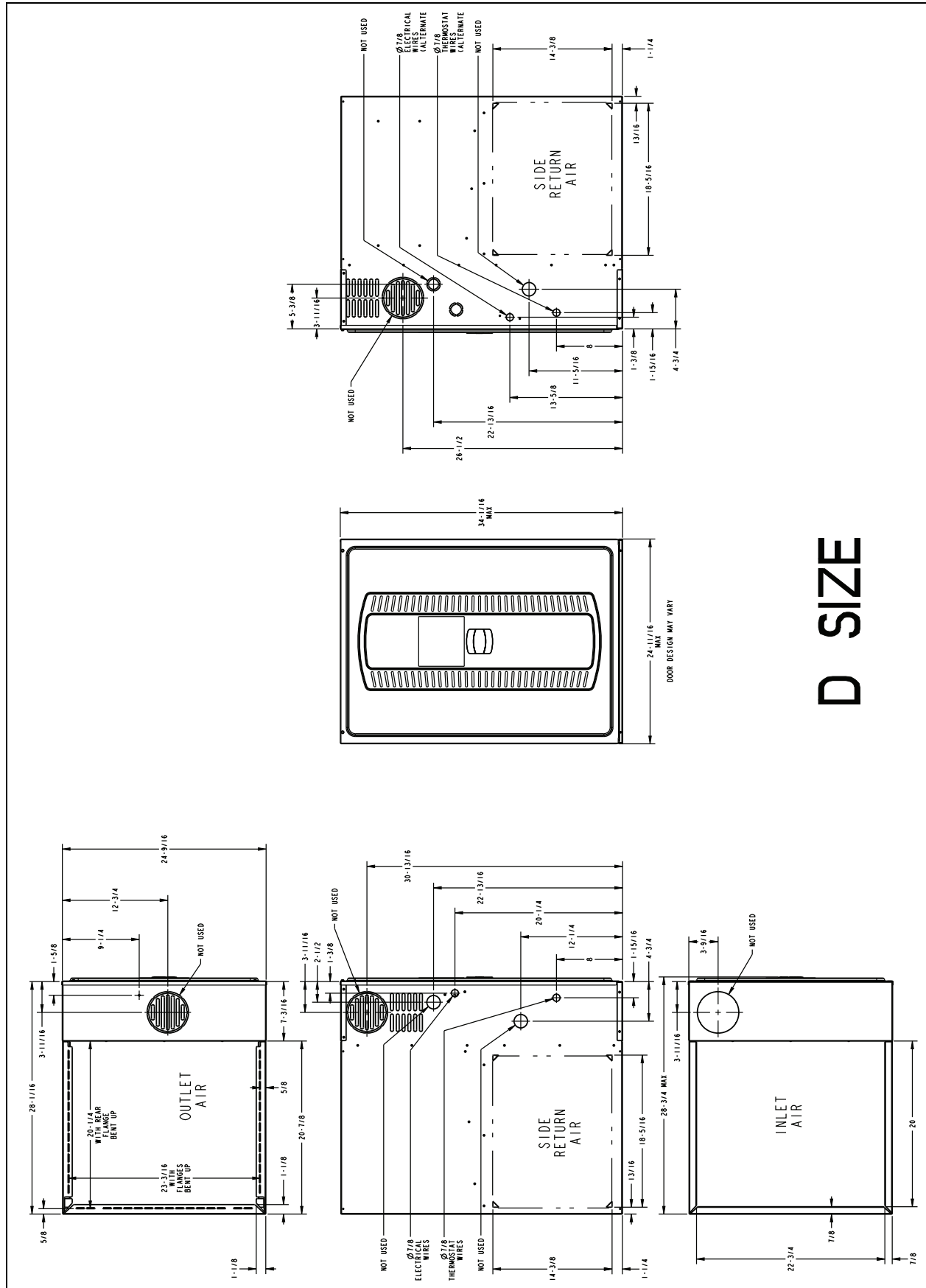


Table 5. 24.5" Width Cabinet





Trane - by Trane Technologies (NYSE: TT), a global innovator - creates comfortable, energy efficient indoor environments for commercial and residential applications. For more information, please visit trane.com or tranetechnologies.com.



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