



UP to 16 SEER, UP to 12.5 EER, PACKAGE AIR CONDITIONING UNITS, 2 – 5 TONS

208/230 Volt, 1-phase, 60 Hz

208/230 Volt, 3-phase, 60 Hz

REFRIGERATION CIRCUIT

- Environmentally sound R-410A refrigerant
- Copper tube/aluminum fin condenser and evaporator coils
- Tin-coated copper evaporator coil standard (single-phase only)
- Enhanced dehumidification feature on high stage cooling with use of a dehumidistat
- Two stage scroll compressors standard on all models

EASY TO INSTALL AND SERVICE

- Installs easily on a rooftop or at ground level
- Easy three-panel accessibility for maintenance and installation
- Easily converts to down discharge applications

BUILT TO LAST

- Hail guard (3/8" spacing) wire grilles standard
- Multi-speed ECM blower motor standard on all models
- Pre-painted steel cabinet
- Vertical condenser fan discharge
- Full perimeter steel base rails
- High and low pressure switches provide added reliability for the compressor

WARRANTY*

- 5 year No Hassle Replacement limited warranty
- 5 year parts limited warranty (including compressor and coils)
 - With timely registration, an additional 5 year parts limited warranty (including compressor and coils)

* For owner occupied, residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.



As an Energy Star® Partner, International Comfort Products has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

UNIT PERFORMANCE DATA						
Model Number	COOLING				Unit Dimensions Height x Width x Depth Inches (mm)	Operating Weight lbs / kg
	Net Capacity BTU/h High Stage	Standard CFM High / Low Stage	S.E.E.R	E.E.R.		
PAR524000K**0A1	23000	800/600	15.0	12.0	44-1/8 x 46-13/16 x 31-3/16 (1121 x 1189 x 792)	327/148
PAR530000‡**0A1	29000	100/750	15.0	12.0	44-1/8 x 46-13/16 x 31-3/16 (1121 x 1189 x 792)	334/152
PAR536000‡**0A1	35400	1200/900	16.0	12.5	44-3/4 x 46-13/16 x 42-15/16 (1137 x 1189 x 1091)	389/176
PAR542000‡**0A1	42000	1400/1050	16.0	12.5	44-3/4 x 46-13/16 x 42-15/16 (1137 x 1189 x 1091)	392/178
PAR548000‡**0A1	47500	1600/1200	16.0	12.3	50-3/4 x 46-13/16 x 42-15/16 (1269 x 1189 x 1091)	444/201
PAR560000‡**0A1	57000	1750/1200	16.0	12.3	52-3/4 x 46-13/16 x 42-15/16 (1340 x 1189 x 1091)	464/211

‡ = K – 208/230-1-60

= H – 208/230-3-60

** = 00 – Standard Coil

= TP – Tin-coated copper coil

MODEL NOMENCLATURE										
	1	2	3,4	5,6	7,8,9	10	11,12	13	14	15
MODEL SERIES	P	A	R5	36	000	K	00	0	C	1
P = Package										
A = Air Conditioner										
R5 = Standard			TIER							
24 = 24,000 BTUH = 2 Tons										
36 = 36,000 BTUH = 3 Tons										
48 = 48,000 BTUH = 4 Tons										
60 = 60,000 BTUH = 5 Tons										
			NOMINAL CLG CAPACITY							
000 = no factory heat										
			NOMINAL HTG BTUH (input)							
K = 208/230-1-60										
H = 208/230-3-60										
										VOLTAGE
00 = No options										
TP – Tin Plated Evaporator Main Tubes										FACTORY INSTALLED OPTIONS
0 = Standard										FEATURE CODE
Sales Model Digit										
Engineering Digit										

A-WEIGHTED SOUND POWER LEVEL (dBA)								
Model PAR5	Sound Ratings (dBA)	TYPICAL OCTAVE BAND SPECTRUM (dBA without tone adjustment)						
		125	250	500	1000	2000	4000	8000
24	73	60.0	62.5	68.5	68.5	64.0	60.0	53.0
30	77	57.5	67.0	73.5	72.0	67.0	61.0	52.5
36	73	62.5	65.5	67.5	68.0	65.5	60.0	52.5
42	73	60.5	63.5	68.0	68.0	66.0	60.5	53.0
48	72	60.0	63.5	66.0	67.0	63.5	58.5	49.5
60	75	69.0	67.0	69.0	68.0	65.0	61.5	54.0

NOTE: Tested in accordance with AHRI Standard 270 (not listed in AHRI).

UNIT SPECIFICATIONS						
UNIT SIZE	24	30	36	42	48	60
NOMINAL CAPACITY (ton)	2	2-1/2	3	3-1/2	4	5
SHIPPING WEIGHT lb.	335	342	397	400	452	472
SHIPPING WEIGHT (kg)	152.0	155.1	180.1	181.4	205.0	214.1
COMPRESSORS	Two-Stage Scroll					
Quantity	1					
REFRIGERANT (R-410A)						
Quantity lb	6.4	8.3	8.1	8.7	10.8	12.1
Quantity (kg)	2.9	3.8	3.7	3.9	4.9	5.5
REFRIGERANT METERING DEVICE	TXV					
OUTDOOR COIL						
Rows...Fins/in.	1...21	2...21	2...21	2...21	2...21	2...21
Face Area (sq ft)	13.6	13.6	13.6	13.6	19.4	21.4
OUTDOOR FAN						
Nominal Cfm	2500	2700	3000	3000	3300	3600
Diameter in.	24	24	26	26	26	26
Diameter (mm)	609.6	609.6	660.4	660.4	660.4	660.4
Motor Hp (Rpm)	1/10 (810)	1/5 (810)	1/5 (810)	1/5 (810)	1/5 (810)	1/5 (810)
INDOOR COIL						
Rows...Fins/in.	3...17	3...17	3...17	3...17	3...17	3...17
Face Area (sq ft)	3.7	3.7	4.7	4.7	5.7	5.7
INDOOR BLOWER						
Nominal Low Stage Cooling Airflow (Cfm)	600	750	900	1050	1200	1200
Nominal High Stage Cooling Airflow (Cfm)	800	1000	1200	1400	1600	1750
Size in.	10x10	10x10	11x10	11x10	11x10	11x10
Size (mm.)	254x254	254x254	279.4x254	279.4x254	279.4x254	279.4x254
Motor HP (RPM)	1/2 (1050)	1/2 (1050)	3/4 (1000)	3/4 (1075)	1.0 (1075)	1.0 (1075)
HIGH-PRESSURE SWITCH	650 +/- 15					
(psig) Cut-out Reset (Auto)	420 +/- 25					
LOW-PRESSURE SWITCH	50 +/- 7					
(psig) cut-out Reset (auto)	95 +/- 7					
DUCT RETURN-AIR FILTERS†‡						
Throwaway Size in.	20x20x1	20x24x1	24x30x1		24x36x1	
Throwaway Size (mm)	508x508x25	508x610x25	610x762x25		610x914x25	

† Required filter sizes shown are based on the larger of the AHRI (Air Conditioning Heating and Refrigeration Institute) rated cooling airflow or the heating airflow velocity of 300 ft/minute for throwaway type or 450 ft/minute for high-capacity type. Air filter pressure drop for non-standard filters must not exceed 0.08 in. W.C.

‡ If using accessory filter rack refer to the filter rack installation instructions for correct filter sizes and quantity.

UNIT AIRFLOW – DRY COIL AIR DELIVERY* – HORIZONTAL AND DOWNFLOW DISCHARGE

UNIT PAR5	MOTOR SPEED	WIRE COLOR		EXTERNAL STATIC PRESSURE (IN. W.C.)									
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
PAR524	Low ¹	Blue	CFM	689	597	489	352	---	---	---	---	---	---
			BHP	0.08	0.06	0.06	0.05	---	---	---	---	---	---
	Med-Low	Pink	CFM	777	692	583	465	318	---	---	---	---	---
			BHP	0.09	0.10	0.10	0.11	0.12	---	---	---	---	---
	Medium ²	Red	CFM	921	829	754	663	582	485	371	---	---	---
			BHP	0.14	0.14	0.15	0.16	0.17	0.17	0.18	---	---	---
	Med-High	Orange	CFM	1229	1171	1105	1049	980	913	838	775	679	516
			BHP	0.28	0.30	0.30	0.31	0.32	0.33	0.33	0.34	0.34	0.33
	High	Black	CFM	1291	1206	1142	1081	1017	951	888	823	753	668
			BHP	0.31	0.32	0.33	0.34	0.34	0.35	0.36	0.36	0.37	0.37
PAR530	Low	Blue	CFM	777	692	583	465	318	---	---	---	---	---
			BHP	0.09	0.10	0.10	0.11	0.12	---	---	---	---	---
	Med-Low ¹	Pink	CFM	831	765	670	586	466	299	---	---	---	---
			BHP	0.11	0.12	0.12	0.13	0.13	0.14	---	---	---	---
	Medium ²	Red	CFM	1139	1069	1012	937	870	786	724	626	512	381
			BHP	0.22	0.23	0.24	0.24	0.25	0.26	0.26	0.27	0.27	0.28
	Med-High	Orange	CFM	1229	1171	1105	1049	980	913	838	775	679	516
			BHP	0.28	0.30	0.30	0.31	0.32	0.33	0.33	0.34	0.34	0.33
	High	Black	CFM	1531	1460	1382	1301	1209	1114	1003	890	764	629
			BHP	0.53	0.52	0.50	0.48	0.46	0.44	0.42	0.40	0.37	0.35
PAR536	Low	Blue	CFM	1097	971	823	747	669	636	558	513	456	412
			BHP	0.12	0.11	0.10	0.11	0.12	0.13	0.13	0.14	0.15	0.16
	Med-Low ¹	Pink	CFM	934	864	810	745	698	649	571	525	486	428
			BHP	0.10	0.10	0.11	0.12	0.13	0.14	0.14	0.15	0.16	0.17
	Medium ²	Red	CFM	1251	1198	1149	1104	1066	1017	970	932	892	839
			BHP	0.19	0.21	0.21	0.23	0.24	0.25	0.26	0.27	0.28	0.29
	Med-High	Orange	CFM	1451	1415	1372	1327	1287	1249	1212	1168	1130	1094
			BHP	0.29	0.30	0.31	0.32	248.59	0.35	0.36	0.37	0.38	0.39
	High	Black	CFM	1466	1423	1384	1343	1308	1263	1219	1183	1145	1106
			BHP	0.30	0.31	0.33	0.34	0.35	0.36	0.37	0.38	0.40	0.41
PAR542	Low	Blue	CFM	1097	971	823	747	669	636	558	513	456	412
			BHP	0.12	0.11	0.10	0.11	0.12	0.13	0.13	0.14	0.15	0.16
	Med-Low ¹	Pink	CFM	1076	1026	972	918	872	827	771	714	666	611
			BHP	0.13	0.14	0.15	0.15	0.17	0.18	0.18	0.20	0.21	0.22
	Medium	Red	CFM	1251	1198	1149	1104	1066	1017	970	932	892	839
			BHP	0.19	0.21	0.21	0.23	0.24	0.25	0.26	0.27	0.28	0.29
	Med-High ²	Orange	CFM	1451	1415	1372	1327	1287	1249	1212	1168	1130	1094
			BHP	0.29	0.30	0.31	0.32	248.59	0.35	0.36	0.37	0.38	0.39
	High	Black	CFM	1633	1590	1552	1518	1483	1444	1406	1372	1340	1303
			BHP	0.41	0.43	0.44	0.45	0.47	0.48	0.49	0.50	0.51	0.53
PAR548	Low ¹	Blue	CFM	1271	1229	1177	1121	1066	1027	974	942	887	839
			BHP	0.19	0.20	0.21	0.23	0.24	0.25	0.26	0.27	0.28	0.29
	Med-Low	Pink	CFM	1340	1299	1240	1191	1139	1091	1050	1001	952	895
			BHP	0.22	0.23	0.24	0.25	0.26	0.28	0.29	0.30	0.31	0.32
	Medium ²	Red	CFM	1686	1650	1617	1576	1544	1503	1468	1433	1393	1356
			BHP	0.42	0.44	0.45	0.46	0.48	0.49	0.51	0.52	0.53	0.55
	Med-High	Orange	CFM	1854	1837	1781	1784	1720	1698	1655	1625	1578	1532
			BHP	0.56	0.57	0.60	0.59	0.62	0.63	0.64	0.66	0.67	0.67
	High	Black	CFM	1934	1900	1855	1815	1778	1737	1695	1656	1606	1528
			BHP	0.59	0.61	0.62	0.64	0.65	0.67	0.68	0.70	0.70	0.68
PAR560	Low ¹	Blue	CFM	1271	1229	1177	1121	1066	1027	974	942	887	839
			BHP	0.19	0.20	0.21	0.23	0.24	0.25	0.26	0.27	0.28	0.29
	Med-Low	Pink	CFM	1340	1299	1240	1191	1139	1091	1050	1001	952	895
			BHP	0.22	0.23	0.24	0.25	0.26	0.28	0.29	0.30	0.31	0.32
	Medium	Red	CFM	1686	1650	1617	1576	1544	1503	1468	1433	1393	1356
			BHP	0.42	0.44	0.45	0.46	0.48	0.49	0.51	0.52	0.53	0.55
	Med-High ²	Orange	CFM	1878	1844	1805	1762	1731	1693	1655	1616	1570	1532
			BHP	0.50	0.52	0.53	0.54	0.56	0.57	0.59	0.60	0.64	0.63
	High	Black	CFM	1934	1900	1855	1815	1778	1737	1695	1656	1606	1528
			BHP	0.59	0.61	0.62	0.64	0.65	0.67	0.68	0.70	0.70	0.68

* Air delivery values are without air filter and are for dry coil (See PAR5-A Wet Coil Pressure Drop table).

¹ Factory-shipped low stage cooling speed.

² Factory-shipped high stage cooling speed.

Note: Deduct field-supplied air filter pressure drop and wet coil pressure drop to obtain external static pressure available for ducting.

Shaded areas indicate acceptable Dehum. Speeds (Dehum. Mode is High Stage Only, 208/230 VAC Models Only).

WET COIL PRESSURE DROP (IN. W.C.)																	
UNIT SIZE	STANDARD CFM (SCFM)																
	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200
24	0.03	0.04	0.04	0.05	0.06												
30				0.05	0.06	0.07	0.08	0.11									
36				0.06	0.06	0.09	0.10	0.11	0.14								
42					0.05	0.05	0.06	0.07	0.08	0.08	0.09	0.09	0.11				
48							0.04	0.06	0.09	0.10	0.10	0.11	0.12	0.13	0.14		
60										0.06	0.07	0.01	0.08	0.09	0.10	0.12	0.13

ECONOMIZER WITH 1-IN. FILTER PRESSURE DROP (IN. W.C.)																	
FILTER SIZE IN. (MM)	CLG TONS	STANDARD CFM (SCFM)															
		600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100
600-1400 CFM 12x20x1 + 12x20x1 (305x508x25+305x508x25)	2.0	-	-	0.08	0.09	0.10	0.11	0.11	0.13	0.14	-	-	-	-	-	-	-
	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1200-1800 CFM 16x24x1 + 14x24x1 (406x610x25+356x610x25)	3.0	-	-	-	-	-	0.09	0.09	0.10	0.12	0.13	0.15	0.17	0.17	0.19	0.21	-
	3.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1500-2200 CFM 16x24x1 + 18x24x1 (406x610x25+457x356x25)	5.0	-	-	-	-	-	-	-	-	-	0.15	0.17	0.18	0.20	0.21	0.22	0.23

FILTER PRESSURE DROP TABLE (IN. W.C.)																	
FILTER SIZE IN. (MM)	CLG TONS	STANDARD CFM (SCFM)															
		600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100
600-1400 CFM 12x20x1 + 12x20x1 (305x508x25+305x508x25)	2.0	0.03	0.04	0.05	0.06	0.06	0.07	0.07	0.08	0.08	-	-	-	-	-	-	-
	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1200-1800 CFM 16x24x1 + 14x24x1 (406x610x25+356x610x25)	3.0	-	-	-	-	0.04	0.05	0.06	0.07	0.08	0.09	0.09	0.10	0.11	0.12	0.12	-
	3.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1500-2200 CFM 16x24x1 + 18x24x1 (406x610x25+457x356x25)	5.0	-	-	-	-	-	-	-	-	-	0.04	0.06	0.08	0.10	0.11	0.13	0.14

ELECTRIC HEAT PRESSURE DROP TABLES (IN. W.C.)													
Small Cabinet: 24-30													
STATIC	STANDARD CFM (SCFM)												
	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	
5 kW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.06	0.07	0.09
10 kW	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.06	0.07	0.09	0.10	0.11	0.12
15 kW	0.00	0.00	0.00	0.02	0.04	0.06	0.08	0.10	0.12	0.14	0.16	0.18	0.19
20 kW	0.00	0.00	0.02	0.04	0.06	0.08	0.09	0.11	0.13	0.15	0.17	0.19	

Large Cabinet: 36-60															
STATIC	STANDARD CFM (SCFM)														
	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
5 kW	0.00	0.00	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.12
10 kW	0.00	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.12	0.13
15 kW	0.00	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.12	0.13	0.14	0.15
20 kW	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.12	0.13	0.14	0.15	0.16

MINIMUM AIRFLOW FOR SAFE ELECTRIC HEATER OPERATION (CFM)						
SIZE	24	30	36	42	48	60
Cfm	800	1000	1200	1400	1600	1750

MULTIPLICATION FACTORS		
HEATER kW RATING	VOLTAGE DISTRIBUTION V/3/60	MULTIPLICATION FACTOR
240	200	0.69
	208	0.75
	230	0.92
	240	1.00

ELECTRICAL DATA

UNIT	NOMINAL	VOLTAGE RANGE		COMPRESSOR		OFM	IFM	ELECTRIC HEAT		POWER SUPPLY	
		MIN	MAX	RLA	LRA	FLA	FLA	NOMINAL kW	FLA	MCA	MOCP
PAR524	208/230-1-60	197	253	11.7	58.3	0.7	4.1	-/-	-/-	19.4	30
								3.8/5	18.1/20.8	27.8/31.1	30/35
								5.4/7.2	25.9/30	37.5/42.6	40/45
								7.5/10	36.1/41.7	50.3/57.3	60/60
PAR530	208/230-1-60	197	253	13.1	73.0	1.2	4.1	-/-	-/-	21.7	30
								3.8/5	18.1/20.8	27.8/31.1	30/35
								5.4/7.2	25.9/30	37.5/42.6	40/45
								7.5/10	36.1/41.7	50.3/57.3	60/60
PAR530	208/230-3-60	197	253	8.7	58.0	1.2	4.1	-/-	-/-	16.2	20
								3.8/5	10.4/12	18.1/20.1	20/25
								7.5/10	20.8/24.1	31.1/35.3	35/40
								11.3/15	31.2/36.1	44.1/50.3	45/60
PAR536	208/230-1-60	197	253	15.3	83.0	1.2	6.0	-/-	-/-	26.3	40
								3.8/5	18.1/20.8	30.1/33.5	35/35
								5.4/7.2	25.9/30	39.9/45	40/45
								7.5/10	36.1/41.7	52.6/59.6	60/60
PAR536	208/230-3-60	197	253	11.6	73.0	1.2	6.0	-/-	-/-	21.7	30
								3.8/5	10.4/12	20.5/22.5	25/25
								7.5/10	20.8/24.1	33.5/37.6	35/40
								11.3/15	31.2/36.1	46.5/52.6	50/60
PAR542	208/230-1-60	197	253	17.9	96.0	1.2	6.0	-/-	-/-	29.6	45
								3.8/5	18.1/20.8	30.1/33.5	40/40
								5.4/7.2	25.9/30	39.9/45	40/45
								7.5/10	36.1/41.7	52.6/59.6	60/60
								11.3/15	54.2/62.5	75.3/85.6	80/90
PAR542	208/230-3-60	197	253	14.2	88.0	1.2	6.0	15/20	72.2/83.3	97.8/111.6	100/125
								-/-	-/-	25.0	35
								3.8/5	10.4/12	24.1/24.1	35/35
								7.5/10	20.8/24.1	33.5/37.6	35/40
								11.3/15	31.2/36.1	46.5/52.6	50/60
PAR548	208/230-1-60	197	253	21.2	104.0	1.2	7.6	15/20	41.4/47.9	59.3/67.4	60/70
								-/-	-/-	35.3	50
								3.8/5	18.1/20.8	36.1/36.1	50/50
								5.4/7.2	25.9/30	41.9/47	50/50
								7.5/10	36.1/41.7	54.6/61.6	60/70
PAR548	208/230-3-60	197	253	14.0	83.1	1.2	7.6	11.3/15	54.2/62.5	77.3/87.6	80/90
								-/-	-/-	26.3	40
								3.8/5	10.4/12	25.9/25.9	35/35
								7.5/10	20.8/24.1	35.5/39.6	40/40
								11.3/15	31.2/36.1	48.5/54.6	50/60
PAR560	208/230-1-60	197	253	28.8	152.9	1.2	7.6	15/19.91	41.4/47.9	61.3/69.4	70/70
								-/-	-/-	44.8	60
								3.8/5	18.1/20.8	41.8/41.8	60/60
								5.4/7.2	25.9/30	41.9/47	60/60
								7.5/10	36.1/41.7	54.6/61.6	60/70
PAR560	208/230-3-60	197	253	16.2	110.0	1.2	7.6	11.3/15	54.2/62.5	77.3/87.6	80/90
								-/-	-/-	29.1	40
								3.8/5	10.4/12	28.8/28.8	40/40
								7.5/10	20.8/24.1	35.5/39.6	40/40
								11.3/15	31.2/36.1	48.5/54.6	50/60
								15/19.91	41.4/47.9	61.3/69.4	70/70

LEGEND

- FLA = Full Load Amps
- LRA = Locked Rotor Amps
- MCA = Minimum Circuit Ampacity
- MOCP = Maximum Overcurrent Protection
- RLA = Rated Load Amps

LEGEND

- FLA - Full Load Amps
- IDM - Inducer Motor
- IFM - Indoor Fan Motor
- LRA -Locked Rotor Amps
- MCA - Minimum Circuit Amps
- MOCP - Maximum Over Current Protection
- OFM - Outdoor Fan Motor
- RLA - Rated Load Amps

NOTES:

1. In compliance with NEC (National Electrical Code) requirements for multimotor and combination load equipment (refer to NEC Articles 430 and 440), the overcurrent protective device for the unit shall be Power Supply fuse or circuit breaker.
2. Minimum wire size is based on 60 C copper wire. If other than 60 C wire is used, or if length exceeds wire length in table, determine size from NEC.
3. Unbalanced 3-Phase Supply Voltage
Never operate a motor where a phase imbalance in supply voltage is greater than 2%. Use the following formula to determine the percentage of voltage imbalance

% Voltage imbalance

$$= 100 \times \frac{\text{max voltage deviation from average voltage}}{\text{average voltage}}$$

EXAMPLE: Supply voltage is 230-3-60.



- AB = 228 v
- BC = 231 v
- AC = 227 v

$$\begin{aligned} \text{Average Voltage} &= \frac{228 + 231 + 227}{3} \\ &= \frac{686}{3} \\ &= 229 \end{aligned}$$

Determine maximum deviation from average voltage.

- (AB) 229 - 228 = 1 v
- (BC) 231 - 229 = 2 v
- (AC) 229 - 227 = 2 v

Maximum deviation is 2 v.

Determine percent of voltage imbalance

$$\begin{aligned} \% \text{ Voltage Imbalance} &= 100 \times \frac{2}{229} \\ &= 0.8\% \end{aligned}$$

This amount of phase imbalance is satisfactory as it is below the maximum allowable 2%.

IMPORTANT: If the supply voltage phase imbalance is more than 2%, contact your local electric utility company immediately.

A06564

AHRI* CAPACITIES

COOLING CAPACITIES AND EFFICIENCIES

Unit Model	Nominal Tons	Standard CFM (High / Low Stage)	Net Cooling Capacities - Btuh (High Stage)	EER @A**	SEER†
24	2	800 / 600	23000	12.0	15.0
30	2-1/2	1000 / 750	29000	12.0	15.0
36	3	1200 / 900	35400	12.5	16.0
42	3-1/2	1400 / 1050	42000	12.5	16.0
48	4	1600 / 1200	47500	12.3	16.0
60	5	1750 / 1200	57000	12.3	16.0

LEGEND

dB—Sound Levels (decibels)

db—Dry Bulb

SEER—Seasonal Energy Efficiency Ratio

wb—Wet Bulb

COP—Coefficient of Performance

* Air Conditioning, Heating & Refrigeration Institute.

**At "A" conditions—80°F (26.7°C) indoor db/67°F (19.4°C) indoor wb & 95°F (35°C) outdoor db.

† Rated in accordance with U.S. Government DOE Department of Energy) test procedures and/or AHRI Standards 210/240.

Notes:

1. Ratings are net values, reflecting the effects of circulating fan heat.

Ratings are based on:

Cooling Standard: 80°F (26.7°C) db, 67°F wb (19.4°C) indoor entering-air temperature and 95°F db (35°C) outdoor entering-air temperature.

2. Before purchasing this appliance, read important energy cost and efficiency information available from AHRI directory.org.

PAR524 EXTENDED COOLING PERFORMANCE – LOW COOL

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																							
		75 (23.8°C)				85 (29.4°C)				95 (35°C)				105 (40.5°C)				115 (46.1°C)				125 (51.6°C)			
		CFM	EWB	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	
Total	Sens			Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		
525	57 (13.8)	17.82	17.82	1.08	16.44	16.44	1.24	15.06	15.06	1.41	13.67	13.67	1.60	12.27	12.27	1.81	10.86	10.86	2.04						
	62 (16.6)	18.21	16.78	1.07	16.66	15.16	1.24	15.11	15.05	1.41	13.69	13.69	1.60	12.28	12.28	1.81	10.88	10.88	2.04						
	63* (17.2)	18.58	13.61	1.07	16.98	12.24	1.23	15.39	10.90	1.41	13.80	9.59	1.60	12.20	8.32	1.80	10.62	7.10	2.05						
	67 (19.4)	19.95	14.13	1.04	18.24	12.71	1.21	16.54	11.34	1.39	14.83	10.00	1.58	13.13	8.69	1.80	11.44	7.44	2.03						
	72 (22.2)	21.87	11.42	1.01	20.00	10.22	1.18	18.14	9.05	1.36	16.28	7.92	1.56	14.42	6.82	1.78	12.59	5.78	2.01						
600	57 (13.8)	18.60	18.60	1.08	17.14	17.14	1.24	15.68	15.68	1.42	14.21	14.21	1.61	12.73	12.73	1.82	11.25	11.25	2.05						
	62 (16.6)	18.65	18.61	1.08	17.17	17.17	1.24	15.71	15.71	1.42	14.23	14.23	1.61	12.75	12.75	1.82	11.27	11.27	2.05						
	63* (17.2)	18.96	14.57	1.08	17.31	13.11	1.24	15.67	11.69	1.42	14.03	10.31	1.61	12.39	8.97	1.83	10.77	7.67	2.06						
	67 (19.4)	20.34	15.15	1.05	18.58	13.66	1.22	16.82	12.20	1.40	15.06	10.77	1.60	13.31	9.39	1.81	11.59	8.05	2.04						
	72 (22.2)	22.29	12.08	1.02	20.35	10.81	1.19	18.43	9.59	1.37	16.52	8.40	1.57	14.61	7.26	1.79	12.73	6.17	2.02						
675	57 (13.8)	19.26	19.26	1.09	17.73	17.73	1.25	16.20	16.20	1.42	14.66	14.66	1.62	13.11	13.11	1.83	11.57	11.57	2.06						
	62 (16.6)	19.29	19.29	1.09	17.75	17.75	1.25	16.22	16.22	1.42	14.68	14.68	1.62	13.13	13.13	1.83	11.59	11.59	2.06						
	63* (17.2)	19.25	15.50	1.09	17.56	13.97	1.25	15.88	12.47	1.43	14.21	11.01	1.63	12.53	9.59	1.84	10.89	8.21	2.07						
	67 (19.4)	20.64	16.16	1.06	18.83	14.58	1.23	17.03	13.03	1.41	15.24	11.53	1.61	13.45	10.06	1.82	11.70	8.65	2.05						
	72 (22.2)	22.59	12.71	1.03	20.61	11.39	1.20	18.64	10.12	1.39	16.69	8.88	1.58	14.74	7.68	1.80	12.83	6.55	2.03						

PAR524 EXTENDED COOLING PERFORMANCE – HIGH COOL

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																							
		75 (23.8°C)				85 (29.4°C)				95 (35°C)				105 (40.5°C)				115 (46.1°C)				125 (51.6°C)			
		CFM	EWB	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	
Total	Sens			Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		
700	57 (13.8)	23.89	23.89	1.55	22.22	22.22	1.70	20.54	20.54	1.87	18.86	18.86	2.05	17.17	17.17	2.26	15.50	15.50	2.48						
	62 (16.6)	24.55	21.58	1.55	22.62	20.64	1.71	20.72	19.69	1.87	18.89	18.89	2.05	17.20	17.20	2.26	15.52	15.52	2.48						
	63* (17.2)	25.02	17.56	1.56	23.05	16.72	1.71	21.08	15.86	1.87	19.13	15.01	2.06	17.19	14.15	2.26	15.30	13.30	2.48						
	67 (19.4)	26.85	18.20	1.57	24.72	17.34	1.73	22.61	16.48	1.89	20.50	15.61	2.07	18.42	14.75	2.27	16.39	13.89	2.49						
	72 (22.2)	29.38	14.76	1.60	27.04	13.97	1.75	24.71	13.17	1.92	22.42	12.38	2.10	20.14	11.59	2.30	17.91	10.81	2.52						
800	57 (13.8)	24.94	24.94	1.57	23.16	23.16	1.73	21.38	21.38	1.90	19.59	19.59	2.08	17.81	17.81	2.28	16.04	16.04	2.51						
	62 (16.6)	25.14	23.30	1.58	23.20	23.20	1.73	21.41	21.41	1.90	19.62	19.62	2.08	17.83	17.83	2.28	16.06	16.06	2.51						
	63* (17.2)	25.56	18.77	1.58	23.51	17.89	1.73	21.48	17.00	1.90	19.46	16.11	2.08	17.46	15.22	2.28	15.51	14.34	2.50						
	67 (19.4)	27.40	19.50	1.60	25.19	18.60	1.75	23.00	17.70	1.92	20.83	16.80	2.10	18.68	15.89	2.30	16.60	15.00	2.52						
	72 (22.2)	29.94	15.58	1.62	27.52	14.76	1.78	25.12	13.94	1.95	22.74	13.12	2.13	20.40	12.31	2.33	18.12	11.50	2.54						
900	57 (13.8)	25.82	25.82	1.60	23.95	23.95	1.76	22.08	22.08	1.92	20.20	20.20	2.11	18.33	18.33	2.31	16.48	16.48	2.53						
	62 (16.6)	25.86	25.86	1.60	23.98	23.98	1.76	22.11	22.11	1.92	20.23	20.23	2.11	18.35	18.35	2.31	16.50	16.50	2.53						
	63* (17.2)	25.97	19.95	1.60	23.86	19.03	1.75	21.77	18.11	1.92	19.70	17.18	2.10	17.66	16.25	2.30	15.68	15.32	2.52						
	67 (19.4)	27.81	20.76	1.62	25.54	19.83	1.77	23.30	18.89	1.94	21.07	17.95	2.12	18.88	17.01	2.32	16.76	16.07	2.54						
	72 (22.2)	30.37	16.37	1.64	27.89	15.53	1.80	25.42	14.69	1.97	22.99	13.85	2.15	20.59	13.01	2.35	18.26	12.18	2.56						

See Legend and Notes on Page 12.

PAR530 EXTENDED COOLING PERFORMANCE – LOW COOL

CONDENSER ENTERING AIR TEMPERATURES deg F

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																							
		75 (23.8°C)				85 (29.4°C)				95 (35°C)				105 (40.5°C)				115 (46.1°C)				125 (51.6°C)			
		CFM	EWB	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	
Total	Sens			Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		
655	57 (13.8)		22.30	22.30	1.43	20.19	20.19	1.49	18.10	18.10	1.53	16.02	16.02	1.57	13.97	13.97	1.59	11.95	11.95	1.60					
	62 (16.6)		22.91	20.51	1.43	20.54	17.72	1.48	18.23	15.01	1.53	16.05	16.05	1.57	13.99	13.99	1.59	11.97	11.97	1.60					
	63* (17.2)		23.36	16.69	1.43	20.94	14.35	1.48	18.55	12.09	1.53	16.21	9.92	1.56	13.91	7.86	1.58	11.68	5.91	1.60					
	67 (19.4)		25.19	17.36	1.41	22.57	14.93	1.46	19.99	12.60	1.51	17.47	10.36	1.55	15.00	8.21	1.58	12.60	6.19	1.60					
	72 (22.2)		27.74	14.14	1.38	24.84	12.08	1.44	22.00	10.11	1.49	19.22	8.24	1.54	16.51	6.47	1.57	13.88	4.82	1.58					
750	57 (13.8)		23.33	23.33	1.45	21.08	21.08	1.50	18.87	18.87	1.54	16.68	16.68	1.58	14.51	14.51	1.60	12.38	12.38	1.61					
	62 (16.6)		23.49	22.18	1.45	21.12	21.12	1.50	18.90	18.90	1.54	16.70	16.70	1.58	14.53	14.53	1.60	12.39	12.39	1.61					
	63* (17.2)		23.87	17.87	1.45	21.36	15.38	1.50	18.90	12.98	1.55	16.48	10.67	1.58	14.12	8.46	1.61	11.84	6.38	1.61					
	67 (19.4)		25.72	18.62	1.43	23.00	16.04	1.48	20.35	13.55	1.53	17.75	11.16	1.57	15.21	8.87	1.59	12.76	6.70	1.60					
	72 (22.2)		28.29	14.94	1.40	25.30	12.78	1.46	22.37	10.72	1.51	19.51	8.75	1.55	16.72	6.88	1.58	14.03	5.14	1.59					
840	57 (13.8)		24.14	24.14	1.47	21.79	21.79	1.52	19.48	19.48	1.56	17.18	17.18	1.59	14.92	14.92	1.61	12.71	12.71	1.62					
	62 (16.6)		24.18	24.18	1.46	21.82	21.82	1.52	19.50	19.50	1.56	17.21	17.21	1.59	14.94	14.94	1.61	12.72	12.72	1.62					
	63* (17.2)		24.24	18.95	1.47	21.66	16.32	1.52	19.15	13.79	1.56	16.88	11.35	1.60	14.28	9.02	1.61	11.96	6.80	1.62					
	67 (19.4)		26.09	19.78	1.45	23.31	17.06	1.50	20.60	14.43	1.55	17.95	11.90	1.59	15.36	9.47	1.61	12.87	7.16	1.62					
	72 (22.2)		28.69	15.67	1.42	25.62	13.42	1.48	22.63	11.27	1.53	19.71	9.21	1.57	16.86	7.26	1.60	14.12	5.44	1.61					

PAR530 EXTENDED COOLING PERFORMANCE – HIGH COOL

CONDENSER ENTERING AIR TEMPERATURES deg F

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																							
		75 (23.8°C)				85 (29.4°C)				95 (35°C)				105 (40.5°C)				115 (46.1°C)				125 (51.6°C)			
		CFM	EWB	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	
Total	Sens			Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		
875	57 (13.8)		30.54	30.54	1.97	28.11	28.11	2.15	25.68	25.68	2.35	23.24	23.24	2.57	20.78	20.78	2.83	18.33	18.33	3.12					
	62 (16.6)		31.60	26.39	1.98	28.82	24.96	2.15	26.06	23.52	2.35	23.34	23.16	2.57	20.81	20.81	2.83	18.36	18.36	3.12					
	63* (17.2)		32.20	21.56	1.98	29.34	20.29	2.16	26.51	19.02	2.36	23.69	17.75	2.58	20.88	16.46	2.83	18.12	15.18	3.11					
	67 (19.4)		34.66	22.38	2.01	31.55	21.07	2.19	28.49	19.77	2.38	25.45	18.47	2.60	22.42	17.16	2.85	19.45	15.86	3.13					
	72 (22.2)		38.04	18.28	2.05	34.61	17.09	2.22	31.23	15.91	2.42	27.87	14.73	2.64	24.55	13.55	2.89	21.31	12.39	3.16					
1000	57 (13.8)		31.92	31.92	2.01	29.32	29.32	2.19	26.74	26.74	2.39	24.16	24.16	2.61	21.55	21.55	2.87	18.97	18.97	3.15					
	62 (16.6)		32.39	28.44	2.01	29.52	26.89	2.19	26.78	26.78	2.39	24.19	24.19	2.61	21.58	21.58	2.87	18.99	18.99	3.15					
	63* (17.2)		32.92	23.02	2.02	29.95	21.68	2.19	27.01	20.35	2.39	24.10	19.02	2.61	21.21	17.67	2.86	18.37	16.33	3.14					
	67 (19.4)		35.39	23.93	2.04	32.18	22.57	2.22	29.00	21.20	2.42	25.86	19.84	2.64	22.74	18.46	2.88	19.70	17.10	3.16					
	72 (22.2)		38.82	19.27	2.08	35.26	18.03	2.26	31.76	16.81	2.46	28.30	15.59	2.67	24.87	14.37	2.92	21.55	13.17	3.19					
1125	57 (13.8)		33.07	33.07	2.05	30.34	30.34	2.23	27.63	27.63	2.43	24.91	24.91	2.65	22.18	22.18	2.90	19.49	19.49	3.19					
	62 (16.6)		33.13	33.13	2.05	30.38	30.38	2.23	27.67	27.67	2.43	24.94	24.94	2.65	22.21	22.21	2.90	19.51	19.51	3.19					
	63* (17.2)		33.47	24.42	2.05	30.41	23.02	2.23	27.40	21.64	2.42	24.41	20.24	2.64	21.46	18.84	2.89	18.57	17.42	3.17					
	67 (19.4)		35.96	25.44	2.08	32.64	24.00	2.25	29.39	22.58	2.45	26.17	21.16	2.67	22.98	19.72	2.91	19.90	18.28	3.19					
	72 (22.2)		39.41	20.21	2.12	35.75	18.94	2.29	32.16	17.68	2.49	28.60	16.42	2.71	25.11	15.17	2.95	21.72	13.93	3.22					

See Legend and Notes on Page 12.

PAR536 EXTENDED COOLING PERFORMANCE – LOW COOL

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																	
		75 (23.8°C)			85 (29.4°C)			95 (35°C)			105 (40.5°C)			115 (46.1°C)			125 (51.6°C)		
		CFM	EWB	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	
Total	Sens			Total	Sens		Total	Sens		Total	Sens		Total	Sens					
785	57 (13.8)	25.86	25.86	1.54	23.52	23.52	1.64	21.19	21.19	1.74	18.89	18.89	1.84	16.59	16.59	1.93	14.33	14.33	2.02
	62 (16.6)	26.33	24.60	1.54	23.73	22.02	1.64	21.23	21.23	1.74	18.92	18.92	1.84	16.62	16.62	1.93	14.35	14.35	2.02
	63* (17.2)	26.84	20.92	1.53	24.16	17.75	1.64	21.53	15.63	1.74	18.93	13.59	1.84	16.37	11.61	1.94	13.88	9.71	2.03
	67 (19.4)	28.82	19.73	1.51	26.02	18.48	1.62	23.18	16.30	1.74	20.39	14.19	1.82	17.65	12.15	1.92	14.97	10.19	2.02
	72 (22.2)	31.81	16.77	1.48	28.62	14.85	1.59	25.50	13.00	1.70	22.43	11.22	1.80	19.42	9.51	1.90	16.49	7.89	2.00
900	57 (13.8)	27.03	27.03	1.55	24.55	24.55	1.65	22.09	22.09	1.75	19.65	19.65	1.85	17.23	17.23	1.94	14.84	14.84	2.03
	62 (16.6)	27.07	27.07	1.55	24.59	24.59	1.65	22.12	22.12	1.75	19.68	19.68	1.85	17.25	17.25	1.94	14.86	14.86	2.03
	63* (17.2)	27.41	21.37	1.55	24.64	19.06	1.65	21.93	16.82	1.75	19.25	14.64	1.85	16.63	12.53	1.95	14.08	10.51	2.04
	67 (19.4)	29.51	22.28	1.53	26.52	19.89	1.63	23.59	17.52	1.74	20.72	15.32	1.84	17.90	13.15	1.94	15.16	11.05	2.03
	72 (22.2)	32.43	17.75	1.50	29.14	15.74	1.61	25.92	13.80	1.71	22.76	11.93	1.82	19.67	10.14	1.92	16.67	8.43	2.01
1010	57 (13.8)	27.98	27.98	1.56	25.37	25.37	1.66	22.80	22.80	1.76	20.25	20.25	1.86	17.72	17.72	1.95	15.24	15.24	2.04
	62 (16.6)	28.02	28.02	1.56	25.41	25.41	1.66	22.83	22.83	1.76	20.28	20.28	1.86	17.75	17.75	1.95	15.25	15.25	2.04
	63* (17.2)	27.84	22.71	1.56	24.99	20.28	1.67	22.22	17.92	1.77	19.49	15.62	1.87	16.82	13.38	1.96	14.28	14.28	2.05
	67 (19.4)	29.94	23.73	1.54	26.88	21.21	1.65	23.89	18.76	1.75	20.96	16.38	1.85	18.09	14.07	1.95	15.32	11.82	2.04
	72 (22.2)	32.87	18.66	1.51	29.50	16.57	1.62	26.21	14.55	1.73	22.99	12.60	1.83	19.84	10.73	1.93	16.79	8.94	2.02

PAR536 EXTENDED COOLING PERFORMANCE – HIGH COOL

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																	
		75 (23.8°C)			85 (29.4°C)			95 (35°C)			105 (40.5°C)			115 (46.1°C)			125 (51.6°C)		
		CFM	EWB	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	
Total	Sens			Total	Sens		Total	Sens		Total	Sens		Total	Sens					
1050	57 (13.8)	35.86	35.86	2.29	33.72	33.72	2.51	31.52	31.52	2.76	29.26	29.26	3.03	26.89	26.89	3.34	24.47	24.47	3.69
	62 (16.6)	36.94	33.14	2.30	34.42	31.53	2.52	31.86	29.88	2.76	29.31	29.31	3.03	26.93	26.93	3.34	24.51	24.51	3.69
	63* (17.2)	37.62	27.02	2.31	35.04	25.57	2.53	32.41	24.12	2.77	29.71	22.66	3.03	26.94	21.18	3.34	24.13	19.71	3.69
	67 (19.4)	40.43	28.03	2.34	37.63	26.55	2.56	34.79	25.07	2.80	31.86	23.58	3.07	28.87	22.07	3.37	25.86	20.58	3.71
	72 (22.2)	44.31	22.80	2.39	41.22	21.45	2.61	38.07	20.10	2.85	34.86	18.73	3.11	31.58	17.37	3.41	28.28	16.02	3.75
1200	57 (13.8)	37.44	37.44	2.33	35.15	35.15	2.55	32.81	32.81	2.80	30.39	30.39	3.07	27.88	27.88	3.38	25.31	25.31	3.73
	62 (16.6)	37.84	35.72	2.34	35.28	35.09	2.56	32.85	32.85	2.80	30.43	30.43	3.07	27.92	27.92	3.38	25.34	25.34	3.73
	63* (17.2)	38.44	28.86	2.34	35.75	27.35	2.56	33.01	25.83	2.80	30.22	24.30	3.07	27.35	22.75	3.37	24.48	21.21	3.71
	67 (19.4)	41.27	30.00	2.38	38.37	28.45	2.59	35.40	26.90	2.83	32.38	25.34	3.10	29.29	23.77	3.40	26.20	22.20	3.74
	72 (22.2)	45.20	24.05	2.43	41.98	22.65	2.64	38.71	21.25	2.88	35.39	19.85	3.15	32.00	18.44	3.45	28.62	17.05	3.79
1350	57 (13.8)	38.77	38.77	2.37	36.36	36.36	2.59	33.88	33.88	2.84	31.33	31.33	3.11	28.69	28.69	3.42	26.00	26.00	3.76
	62 (16.6)	38.82	38.82	2.37	36.40	36.40	2.59	33.92	33.92	2.84	31.37	31.37	3.11	28.72	28.72	3.42	26.03	26.03	3.76
	63* (17.2)	39.08	30.63	2.38	36.30	29.05	2.59	33.49	27.48	2.83	30.61	25.88	3.10	27.68	24.26	3.40	24.75	22.63	3.74
	67 (19.4)	41.92	31.90	2.41	38.92	30.29	2.63	35.87	28.67	2.86	32.77	27.04	3.13	29.62	25.40	3.43	26.47	23.74	3.77
	72 (22.2)	45.86	25.24	2.46	42.55	23.81	2.68	39.20	22.37	2.92	35.78	20.92	3.18	32.32	19.48	3.48	28.86	18.05	3.81

See Legend and Notes on Page 12.

PAR542 EXTENDED COOLING PERFORMANCE – LOW COOL

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																							
		75 (23.8°C)				85 (29.4°C)				95 (35°C)				105 (40.5°C)				115 (46.1°C)				125 (51.6°C)			
		CFM	EWB	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	
Total	Sens			Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		
915	57 (13.8)	30.96	30.96	1.93	28.67	28.67	1.98	26.33	26.33	2.01	23.93	23.93	2.04	21.48	21.48	2.05	19.01	19.01	2.03						
	62 (16.6)	31.67	29.10	1.93	29.07	26.30	1.97	26.44	26.27	2.01	23.97	23.97	2.04	21.51	21.51	2.05	19.03	19.03	2.03						
	63* (17.2)	32.30	23.63	1.92	29.63	21.25	1.97	26.89	18.92	2.01	24.12	16.63	2.04	21.31	14.41	2.05	18.51	12.28	2.04						
	67 (19.4)	34.88	24.60	1.90	31.98	22.15	1.94	29.02	17.38	1.98	26.03	17.38	2.01	23.01	15.09	2.03	20.00	12.89	2.02						
	72 (22.2)	38.48	20.01	1.87	35.25	17.89	1.91	31.99	15.82	1.95	28.70	13.81	1.98	25.38	11.87	1.99	22.08	10.03	1.98						
1050	57 (13.8)	32.40	32.40	1.95	29.96	29.96	2.00	27.47	27.47	2.03	24.92	24.92	2.05	22.32	22.32	2.06	19.70	19.70	2.04						
	62 (16.6)	32.52	32.36	1.95	30.01	30.01	1.99	27.51	27.51	2.03	24.96	24.96	2.05	22.35	22.35	2.06	19.73	19.73	2.04						
	63* (17.2)	33.02	25.34	1.95	30.24	23.82	1.99	27.41	20.34	2.03	24.54	17.91	2.06	21.65	15.55	2.07	18.77	13.28	2.06						
	67 (19.4)	35.63	26.44	1.93	32.61	22.83	1.97	29.55	21.26	2.01	26.46	18.75	2.03	23.35	16.31	2.04	20.26	13.96	2.03						
	72 (22.2)	39.26	21.17	1.89	35.92	18.95	1.93	32.54	16.78	1.97	29.14	14.67	2.00	25.72	12.64	2.01	22.33	10.70	1.99						
1180	57 (13.8)	33.57	33.57	1.98	31.00	31.00	2.01	28.38	28.38	2.05	25.70	25.70	2.07	22.99	22.99	2.07	20.25	20.25	2.05						
	62 (16.6)	33.62	33.62	1.98	31.04	31.04	2.01	28.42	28.42	2.05	25.74	25.74	2.07	23.02	23.02	2.07	20.27	20.27	2.05						
	63* (17.2)	33.55	26.93	1.98	30.68	24.28	2.02	27.77	21.66	2.05	24.85	19.10	2.08	21.90	16.60	2.09	18.99	18.84	2.07						
	67 (19.4)	36.17	28.15	1.95	33.07	25.40	1.99	29.92	22.69	2.03	26.76	20.04	2.05	23.60	17.46	2.06	20.46	14.94	2.05						
	72 (22.2)	39.84	22.25	1.92	36.39	19.94	1.96	32.92	17.68	1.99	29.44	15.49	2.02	25.95	13.37	2.02	22.49	11.34	2.01						

PAR542 EXTENDED COOLING PERFORMANCE – HIGH COOL

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																							
		75 (23.8°C)				85 (29.4°C)				95 (35°C)				105 (40.5°C)				115 (46.1°C)				125 (51.6°C)			
		CFM	EWB	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	
Total	Sens			Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		
1225	57 (13.8)	44.10	44.10	2.67	40.87	40.87	2.95	37.59	37.59	3.27	34.28	34.28	3.63	30.95	30.95	4.03	27.68	27.68	4.47						
	62 (16.6)	45.47	38.57	2.68	41.76	36.75	2.96	38.02	34.87	3.28	34.34	34.34	3.63	31.00	31.00	4.03	27.72	27.72	4.47						
	63* (17.2)	46.30	31.46	2.69	42.48	29.82	2.97	38.64	28.16	3.28	34.81	26.49	3.64	31.02	24.81	4.03	27.34	23.17	4.46						
	67 (19.4)	49.63	32.58	2.71	45.48	30.90	3.00	41.33	29.20	3.32	37.21	27.50	3.67	33.12	25.80	4.06	29.18	24.14	4.49						
	72 (22.2)	54.17	26.44	2.75	49.61	24.90	3.04	45.06	23.94	3.36	40.53	21.79	3.72	36.05	20.23	4.11	31.74	18.73	4.54						
1400	57 (13.8)	45.98	45.98	2.72	42.52	42.52	3.01	39.03	39.03	3.33	35.52	35.52	3.69	32.01	32.01	4.08	28.56	28.56	4.52						
	62 (16.6)	46.52	41.52	2.73	42.71	42.37	3.01	39.08	39.08	3.33	35.57	35.57	3.69	32.04	32.04	4.08	28.59	28.59	4.52						
	63* (17.2)	47.25	33.56	2.73	43.28	31.84	3.01	39.30	30.11	3.33	35.35	28.36	3.68	31.44	26.61	4.07	27.67	24.89	4.50						
	67 (19.4)	50.58	34.83	2.76	46.29	33.07	3.04	42.00	31.30	3.36	37.75	29.52	3.72	33.55	27.75	4.11	29.50	26.00	4.54						
	72 (22.2)	55.17	27.86	2.79	50.45	26.26	3.08	45.74	24.65	3.41	41.08	23.05	3.76	36.47	21.45	4.16	32.06	19.90	4.59						
1575	57 (13.8)	47.54	47.54	2.77	43.89	43.89	3.05	40.22	40.22	3.38	36.54	36.54	3.74	32.86	32.86	4.13	29.26	29.26	4.57						
	62 (16.6)	47.60	47.60	2.77	43.95	43.95	3.05	40.27	40.27	3.38	36.59	36.59	3.74	32.90	32.90	4.14	29.29	29.29	4.57						
	63* (17.2)	47.97	35.58	2.77	43.88	33.79	3.05	39.80	31.99	3.37	35.76	30.17	3.72	31.76	28.34	4.12	27.94	26.51	4.55						
	67 (19.4)	51.31	37.00	2.80	46.89	35.17	3.08	42.50	33.33	3.40	38.15	31.48	3.76	33.86	29.62	4.15	29.75	27.77	4.58						
	72 (22.2)	55.92	29.22	2.84	51.07	27.57	3.12	46.25	25.93	3.45	41.47	24.28	3.81	36.77	22.64	4.20	32.27	21.05	4.63						

See Legend and Notes on Page 12.

PAR548 EXTENDED COOLING PERFORMANCE – LOW COOL

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																		
		75 (23.8°C)			85 (29.4°C)			95 (35°C)			105 (40.5°C)			115 (46.1°C)			125 (51.6°C)			
		CFM	EWB	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW		
Total	Sens			Total	Sens		Total	Sens		Total	Sens		Total	Sens						
1050	57 (13.8)		35.18	35.18	2.15	32.65	32.65	2.21	30.08	30.08	2.26	27.45	27.45	2.29	24.76	24.76	2.29	22.01	22.01	2.26
	62 (16.6)		35.89	33.38	2.14	32.99	30.42	2.21	30.13	30.13	2.26	27.49	27.49	2.29	24.80	24.80	2.29	22.04	22.04	2.25
	63* (17.2)		36.62	27.06	2.14	33.64	34.54	2.21	30.61	22.07	2.26	27.55	19.66	2.29	24.45	17.30	2.29	21.33	15.03	2.26
	67 (19.4)		39.58	28.19	2.11	36.35	25.60	2.19	33.07	23.05	2.24	29.78	20.56	2.28	26.42	18.13	2.28	23.06	15.78	2.25
	72 (22.2)		43.68	22.88	2.08	40.10	20.63	2.16	36.50	18.44	2.22	32.85	16.30	2.26	29.17	14.23	2.26	25.49	12.25	2.24
1200	57 (13.8)		36.76	36.76	2.18	34.07	34.07	2.25	31.32	31.32	2.29	28.53	28.53	2.32	25.68	25.68	2.32	22.77	22.77	2.28
	62 (16.6)		36.82	36.82	2.18	34.12	34.12	2.25	31.37	31.37	2.29	28.58	28.58	2.32	25.71	25.71	2.32	22.80	22.80	2.28
	63* (17.2)		37.37	28.96	2.18	34.28	26.30	2.25	31.15	23.69	2.30	27.99	21.13	2.32	24.79	18.64	2.32	21.59	16.21	2.29
	67 (19.4)		40.36	30.24	2.15	37.01	27.49	2.23	33.63	24.79	2.28	30.21	22.14	2.31	26.77	19.57	2.31	23.32	17.07	2.28
	72 (22.2)		44.51	24.17	2.12	40.80	21.82	2.20	37.07	19.52	2.26	33.30	17.29	2.29	29.52	15.13	2.29	25.74	13.06	2.26
1310	57 (13.8)		37.76	37.76	2.21	34.95	34.95	2.27	32.10	32.10	2.32	29.20	29.20	2.34	26.23	26.23	2.34	23.23	23.23	2.30
	62 (16.6)		37.81	37.81	2.21	35.00	35.00	2.27	32.15	32.15	2.32	29.24	29.24	2.34	26.27	26.27	2.34	23.26	23.26	2.30
	63* (17.2)		37.81	30.32	2.21	34.64	27.55	2.28	31.45	24.84	2.32	28.23	22.18	2.35	24.98	19.58	2.34	21.76	16.62	2.31
	67 (19.4)		40.80	31.70	2.19	37.39	28.84	2.26	33.93	26.03	2.31	30.46	23.28	2.33	26.96	20.59	2.33	23.47	17.97	2.29
	72 (22.2)		44.98	25.09	2.15	41.19	22.67	2.23	37.37	20.30	2.28	33.55	18.00	2.31	29.70	15.77	2.32	25.85	13.64	2.28

PAR548 EXTENDED COOLING PERFORMANCE – HIGH COOL

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																		
		75 (23.8°C)			85 (29.4°C)			95 (35°C)			105 (40.5°C)			115 (46.1°C)			125 (51.6°C)			
		CFM	EWB	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW		
Total	Sens			Total	Sens		Total	Sens		Total	Sens		Total	Sens						
1400	57 (13.8)		48.89	48.89	3.11	45.66	45.66	3.41	42.38	42.38	3.75	39.05	39.05	4.13	35.68	35.68	4.55	32.30	32.30	4.99
	62 (16.6)		50.28	43.47	3.12	46.51	41.71	3.42	42.75	39.90	3.76	39.11	39.11	4.13	35.73	35.73	4.55	32.34	32.34	4.99
	63* (17.2)		51.23	35.39	3.13	47.37	33.80	3.43	43.48	32.17	3.77	39.57	30.53	4.14	35.65	28.86	4.54	31.78	27.20	4.98
	67 (19.4)		55.12	36.75	3.16	50.93	35.12	3.46	46.72	33.47	3.80	42.50	31.80	4.17	38.27	30.11	4.58	34.10	28.42	5.02
	72 (22.2)		60.49	29.87	3.21	55.87	28.34	3.51	51.22	26.80	3.84	46.58	25.25	4.22	41.93	23.68	4.62	37.37	22.12	5.06
1600	57 (13.8)		51.01	51.01	3.18	47.56	47.56	3.48	44.07	44.07	3.83	40.53	40.53	4.20	36.95	36.95	4.62	33.37	33.37	5.06
	62 (16.6)		51.47	46.83	3.18	47.65	47.65	3.49	44.13	44.13	3.83	40.59	40.59	4.20	37.00	37.00	4.62	33.41	33.41	5.06
	63* (17.2)		52.30	37.79	3.19	48.28	36.13	3.49	44.24	34.44	3.83	40.20	32.73	4.20	36.15	30.99	4.60	32.18	29.26	5.04
	67 (19.4)		56.21	39.32	3.23	51.86	37.62	3.53	47.50	35.90	3.86	43.13	34.16	4.23	38.77	32.40	4.64	34.50	30.65	5.07
	72 (22.2)		61.65	31.49	3.27	56.85	29.91	3.57	52.04	28.32	3.91	47.24	26.72	4.28	42.45	25.11	4.68	37.76	23.52	5.11
1750	57 (13.8)		52.37	52.37	3.23	48.78	48.78	3.54	45.15	45.15	3.88	41.47	41.47	4.25	37.75	37.75	4.66	34.04	34.04	5.11
	62 (16.6)		52.45	52.45	3.23	48.85	48.85	3.54	45.21	45.21	3.88	41.52	41.52	4.26	37.79	37.79	4.66	34.08	34.08	5.11
	63* (17.2)		52.92	39.53	3.24	48.81	37.82	3.54	44.68	36.08	3.87	40.56	34.32	4.24	36.44	32.53	4.65	32.42	30.72	5.08
	67 (19.4)		56.86	41.19	3.27	52.41	39.44	3.57	47.95	37.67	3.91	43.50	35.88	4.28	39.06	34.07	4.68	34.73	32.25	5.12
	72 (22.2)		62.33	32.67	3.32	57.41	31.06	3.62	52.50	29.43	3.95	47.61	27.80	4.32	42.73	26.16	4.72	37.97	24.55	5.15

See Legend and Notes on Page 12.

PAR560 EXTENDED COOLING PERFORMANCE – LOW COOL

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																							
		75 (23.8°C)				85 (29.4°C)				95 (35°C)				105 (40.5°C)				115 (46.1°C)				125 (51.6°C)			
		CFM	Ewb	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW				
Total	Sens			Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens					
1200	57 (13.8)		42.50	42.50	2.61	41.54	41.54	2.64	40.36	40.36	2.63	38.87	38.87	2.59	37.03	37.03	2.49	34.82	34.82	2.34					
	62 (16.6)		43.53	40.01	2.61	42.15	38.49	2.64	40.55	40.24	2.63	38.94	38.94	2.59	37.09	37.09	2.49	34.87	34.87	2.34					
	63* (17.2)		44.37	32.51	2.61	42.92	31.12	2.63	41.20	29.70	2.63	39.14	28.21	2.59	36.69	26.66	2.49	33.85	25.05	2.34					
	67 (19.4)		47.96	33.87	2.59	46.38	32.46	2.62	44.50	31.00	2.62	42.28	29.49	2.58	39.65	27.93	2.49	36.60	26.30	2.33					
	72 (22.2)		52.94	27.58	2.56	51.15	26.23	2.60	49.07	24.86	2.60	46.63	23.45	2.57	43.75	21.98	2.48	40.44	20.47	2.33					
1370	57 (13.8)		44.36	44.36	2.67	43.29	43.29	2.69	41.98	41.98	2.68	40.36	40.36	2.63	38.36	38.36	2.53	35.98	35.98	2.37					
	62 (16.6)		44.59	44.18	2.67	43.36	43.36	2.69	42.05	42.05	2.68	40.42	40.42	2.63	38.42	38.42	2.53	36.03	36.03	2.37					
	63* (17.2)		45.25	34.73	2.67	43.69	33.28	2.69	41.88	31.80	2.68	39.71	30.26	2.63	37.17	28.64	2.53	34.23	26.95	2.37					
	67 (19.4)		48.88	36.25	2.65	47.18	34.77	2.68	45.19	33.26	2.67	42.87	31.70	2.62	40.13	30.07	2.53	36.99	28.37	2.37					
	72 (22.2)		53.90	29.08	2.62	52.00	27.69	2.65	49.80	26.28	2.65	47.23	24.83	2.61	44.23	23.32	2.52	40.79	21.77	2.36					
1545	57 (13.8)		45.96	45.96	2.73	44.78	44.78	2.75	43.35	43.35	2.73	41.59	41.59	2.67	39.46	39.46	2.57	36.92	36.92	2.40					
	62 (16.6)		46.03	46.03	2.73	44.84	44.84	2.75	43.41	43.41	2.73	41.65	41.65	2.67	39.51	39.51	2.57	36.97	36.97	2.40					
	63* (17.2)		45.92	36.92	2.73	44.29	35.42	2.75	42.38	33.88	2.73	40.14	32.27	2.68	37.53	30.58	2.57	34.57	30.35	2.41					
	67 (19.4)		49.57	38.62	2.71	47.78	37.08	2.73	45.71	35.51	2.72	43.29	33.88	2.67	40.48	32.18	2.57	37.28	30.36	2.40					
	72 (22.2)		54.62	30.56	2.69	52.62	29.14	2.71	50.31	27.69	2.71	47.64	26.20	2.66	44.54	24.66	2.56	40.98	23.08	2.39					

PAR560 EXTENDED COOLING PERFORMANCE – HIGH COOL

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																							
		75 (23.8°C)				85 (29.4°C)				95 (35°C)				105 (40.5°C)				115 (46.1°C)				125 (51.6°C)			
		CFM	Ewb	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW				
Total	Sens			Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens					
1750	57 (13.8)		58.66	58.66	3.81	55.57	55.57	4.17	52.33	52.33	4.58	48.92	48.92	5.04	45.32	45.32	5.57	41.58	41.58	6.16					
	62 (16.6)		59.85	53.13	3.82	56.20	51.25	4.17	52.51	52.25	4.58	48.99	48.99	5.05	45.37	45.37	5.57	41.63	41.63	6.16					
	63* (17.2)		60.83	43.11	3.82	57.05	41.43	4.18	53.16	39.70	4.58	49.10	37.91	5.04	44.88	36.06	5.56	40.58	34.17	6.13					
	67 (19.4)		65.32	44.77	3.86	61.22	43.05	4.22	57.00	41.30	4.63	52.61	39.48	5.10	48.03	37.60	5.62	43.40	35.70	6.20					
	72 (22.2)		71.52	36.12	3.90	67.01	34.50	4.27	62.34	32.84	4.69	57.48	31.12	5.17	52.44	29.35	5.70	47.35	27.57	6.29					
2000	57 (13.8)		60.99	60.99	3.90	57.68	57.68	4.26	54.22	54.22	4.68	50.58	50.58	5.15	46.74	46.74	5.68	42.79	42.79	6.27					
	62 (16.6)		61.23	60.84	3.90	57.75	57.75	4.26	54.29	54.29	4.68	50.64	50.64	5.15	46.80	46.80	5.68	42.83	42.83	6.27					
	63* (17.2)		61.92	45.99	3.91	57.99	44.25	4.26	53.95	42.45	4.67	49.76	40.60	5.13	45.40	38.65	5.65	41.00	36.66	6.22					
	67 (19.4)		66.43	47.87	3.94	62.19	46.10	4.30	57.80	44.27	4.72	53.27	42.39	5.19	48.55	40.42	5.71	43.81	38.42	6.29					
	72 (22.2)		72.71	38.07	3.98	68.00	36.40	4.35	63.17	34.70	4.78	58.16	32.94	5.26	52.95	31.12	5.79	47.73	29.31	6.37					
2250	57 (13.8)		62.91	62.91	3.99	59.42	59.42	4.35	55.76	55.76	4.77	51.93	51.93	5.25	47.89	47.89	5.78	43.74	43.74	6.37					
	62 (16.6)		62.99	62.99	3.99	59.49	59.49	4.36	55.83	55.83	4.77	51.99	51.99	5.25	47.94	47.94	5.78	43.79	43.79	6.37					
	63* (17.2)		62.73	48.75	3.99	58.69	46.95	4.35	54.54	45.08	4.76	50.24	43.14	5.22	45.80	41.08	5.73	41.35	38.84	6.30					
	67 (19.4)		67.27	50.85	4.02	62.89	49.01	4.39	58.40	47.12	4.80	53.75	45.15	5.27	48.94	43.08	5.80	44.15	40.88	6.38					
	72 (22.2)		73.56	39.95	4.06	68.73	38.24	4.43	63.76	36.50	4.86	58.61	34.70	5.34	53.29	32.85	5.87	47.96	31.01	6.46					

* 63°F Ewb is at 75°F entering dry bulb – Tennessee Valley Authority [TVA] rating conditions; all others at 80°F entering dry bulb.

LEGEND: BF — Bypass Factor Ewb — Entering Wet Bulb kW — Total Unit Power Input SHC — Sensible Heat Capacity (x1000 Btuh) TC — Total Capacity (x1000 Btuh) (net)

NOTES:

1. Ratings are net; they account for the effects of the evaporator fan motor power and heat.
2. Direct interpolation is permissible. Do not extrapolate.
3. The following formulas may be used:

$$t_{Ldb} = t_{Edb} - \frac{\text{Sensible Capacity (BTU/h)}}{1.10 \times \text{cfm}}$$

$$h_{Lwb} = h_{Ewb} - \frac{\text{Total Capacity (BTU/h)}}{4.5 \times \text{cfm}}$$

t_{Lwb} = Wet bulb temperature corresponding to enthalpy of air leaving evaporator coil (h_{Lwb})
 h_{Lwb} = Wet bulb temperature corresponding to enthalpy of air entering evaporator coil.
 Below 80°F Edb, subtract (corr factor x cfm) from SHC.
 Above 80°F Edb, add (corr factor x cfm) to SHC. Correction Factor = 1.10 x (1 + BF) x (Edb + 80).

Where: h_{Ewb} = Enthalpy of air entering evaporator coil

UNIT DIMENSIONS - PAR524-30

UNIT	ELECTRICAL CHARACTERISTICS	UNIT WT.		UNIT HEIGHT IN/MM		CENTER OF GRAVITY IN/MM					
		LB	KG	"A"	"B"	X	Y	Z			
PAR524000K*0A1	208/230-1	327	148.3	44-1/8	1121	20-1/2	520.7	15-3/4	400.1	16-5/8	422.3
PAR530000K.H1*0A1	208/230-1, 208/230-3-60	334	151.5	44-1/8	1121	20-1/2	520.7	15-3/4	400.1	17-3/8	441.3

UNIT	CORNER WEIGHT LB/KG		
	"1"	"2"	"3"
PAR524000K*0A1	208/230	39.2	17.8
PAR530000K.H1*0A1	208/230	40.1	18.2

NOTE: ALL TABLE DATA RELEVANT FOR ALL FACTORY INSTALLED OPTIONS EXCEPT ECONOMIZER

REQUIRED CLEARANCES TO COMBUSTIBLE MTL.

	INCHES (MM)
TOP OF UNIT	0
DUCT SIDE OF UNIT	2
SIDE OPPOSITE DUCTS	14
BOTTOM OF UNIT	0
ELECTRICAL PANEL	36

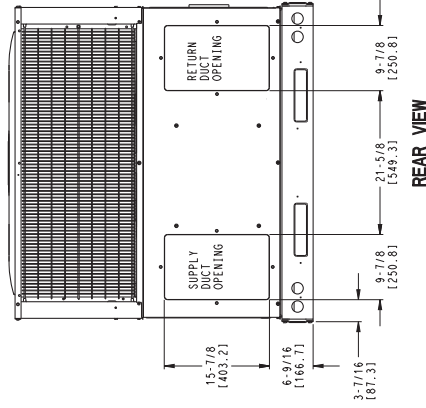
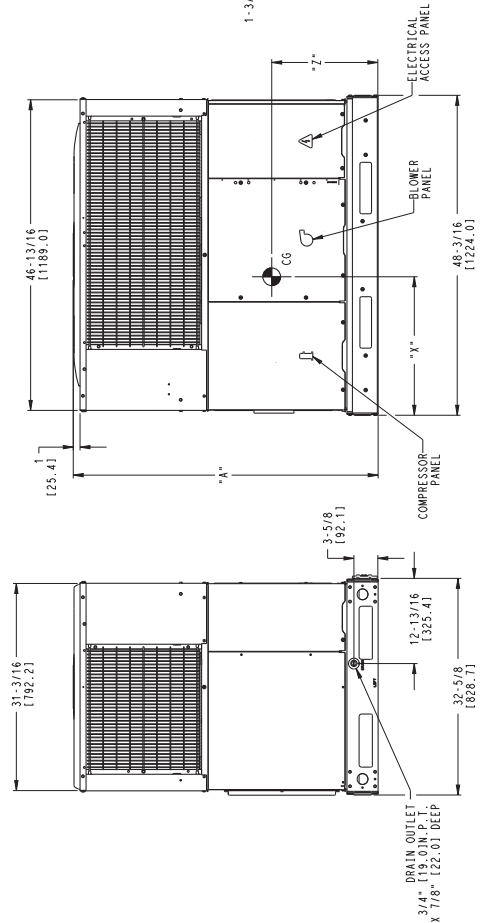
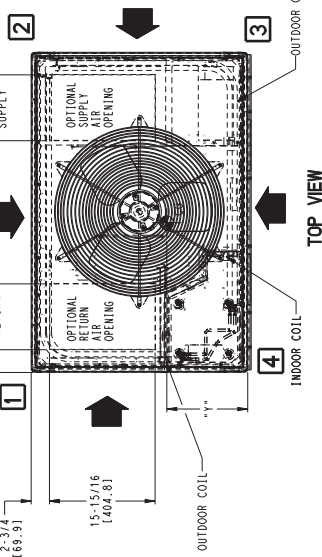
NEC REQUIRED CLEARANCES

	INCHES (MM)
BETWEEN UNITS, POWER ENTRY SIDE	42
BETWEEN UNITS, DUCTS/FLUE SIDE	36
UNIT AND DUCTS ON CONCRETE WALLS AND OTHER GROUNDED SURFACES, POWER ENTRY SIDE	42

REQUIRED CLEARANCE FOR OPERATION AND SERVICING

	INCHES (MM)
EVAP. COIL ACCESS SIDE	36
POWER ENTRY SIDE	42
EXCEPT FOR NEC REQUIREMENTS	48
SIDE OPPOSITE DUCTS	36
DUCT PANEL	12

*MINIMUM DISTANCES: IF UNIT IS PLACED LESS THAN 12" (304.8) FROM WALL SYSTEM, THEN SYSTEM PERFORMANCE MUST BE COMPROMISED. DIMENSIONS IN () ARE IN MILLIMETERS



50CY502648

UNIT DIMENSIONS - PAR536-60

UNIT	ELECTRICAL CHARACTERISTICS	UNIT WT.		UNIT HEIGHT IN/MM			CENTER OF GRAVITY IN/MM				
		LB	KG	"A"	"X"	"Y"	"Z"				
PAR5360000(K, H)***0A1	208/230-1, 208/230-3-60	389	176.4	44-3/4	1137	20-1/4	514.4	17-1/2	444.5	17-5/8	447.7
PAR5420000(K, H)***0A1	208/230-1, 208/230-3-60	392	177.8	44-3/4	1137	20-1/4	514.4	17-1/2	444.5	17-5/8	447.7
PAR5480000(K, H)***0A1	208/230-1, 208/230-3-60	444	201.4	50-3/4	1289	20-1/4	514.4	17-1/2	444.5	17-5/8	447.7
PAR5600000(K, H)***0A1	208/230-1, 208/230-3-60	464	210.5	52-3/4	1340	20-1/4	514.4	17-1/2	444.5	18	457.2

UNIT	VOLTAGE	CORNER WEIGHTS LB/KG		
		"1"	"2"	"4"
PAR5360000(K, H)***0A1	208/230	46.7	26.5	62.7
PAR5420000(K, H)***0A1	208/230	47.0	26.7	62.7
PAR5480000(K, H)***0A1	208/230	53.3	30.2	71.0
PAR5600000(K, H)***0A1	208/230	55.7	31.6	74.2

NOTE: ALL TABLE DATA RELEVANT FOR ALL FACTORY INSTALLED OPTIONS EXCEPT ECONOMIZER

REQUIRED CLEARANCES TO COMBUSTIBLE MATL.

	INCHES (MM)
TOP OF UNIT	2 (50.8)
SIDE OF UNIT	4 (101.6)
DUCT OPPOSITE DUCTS	14 (355.6)
BOTTOM OF UNIT	0 (0.0)
ELECTRICAL PANEL	36 (914.4)

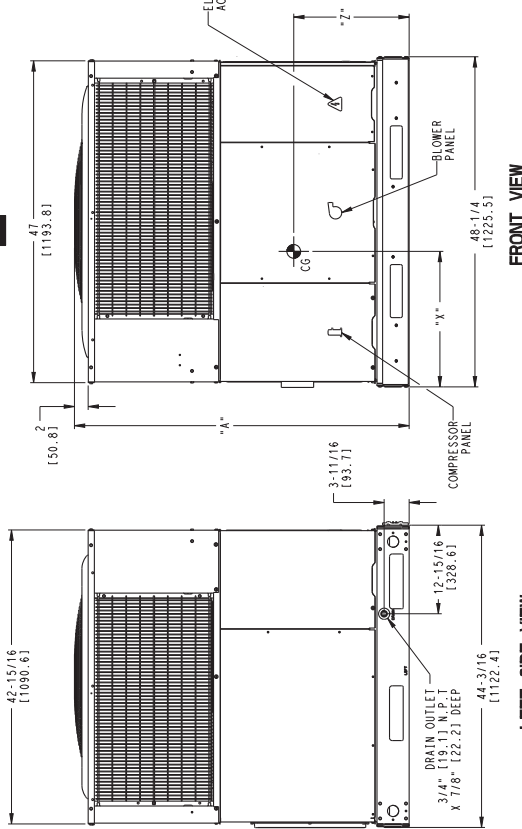
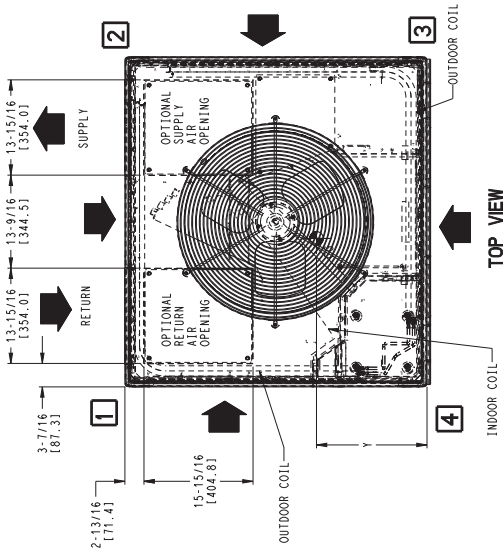
NEC REQUIRED CLEARANCES

	INCHES (MM)
BETWEEN UNITS, POWER ENTRY SIDE	42 (1066.8)
UNIT AND UNGROUNDED SURFACES, POWER ENTRY SIDE	36 (914.0)
UNIT AND BLOCK OR CONCRETE WALLS AND OTHER GROUNDED SURFACES, POWER ENTRY SIDE	42 (1066.8)

REQUIRED CLEARANCE FOR OPERATION AND SERVICING

	INCHES (MM)
EVAP. COIL ACCESS SIDE	36 (914.0)
CONDENSER COIL ACCESS SIDE	42 (1066.8)
DUCTS (EXCEPT FOR NEC REQUIREMENTS)	48 (1219.2)
UNIT TOP	36 (914.0)
SIDE OPPOSITE DUCTS	12 (304.8)
DUCT PANEL	12 (304.8)

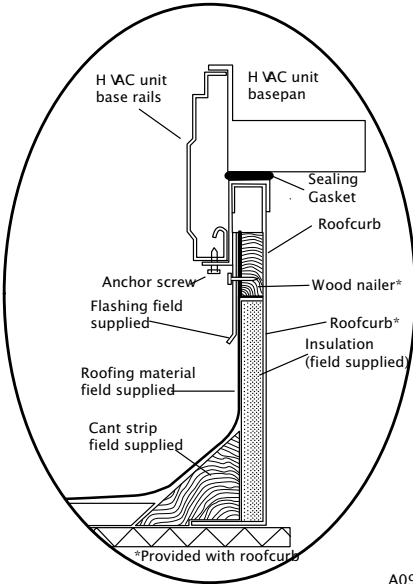
*MINIMUM DISTANCES: IF UNIT IS PLACED LESS THAN 12 (304.8) FROM WALL SYSTEM, THEN SYSTEM PERFORMANCE MAYBE COMPROMISED. DIMENSIONS IN [] ARE IN MM



50CY502649

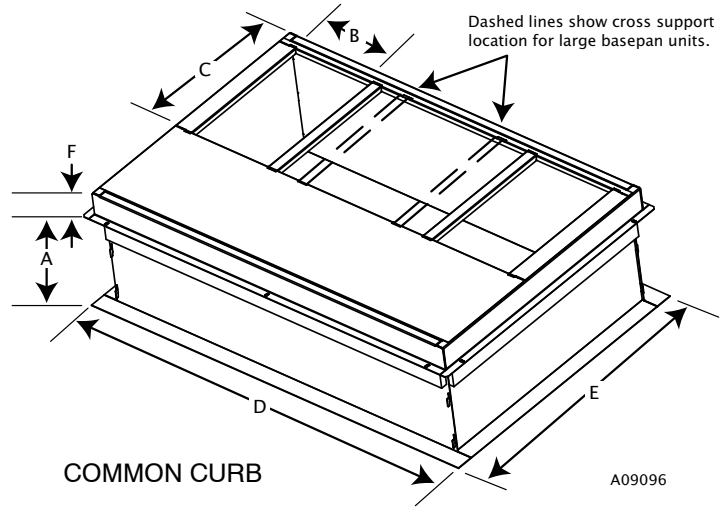
ACCESSORIES

ROOF CURBS



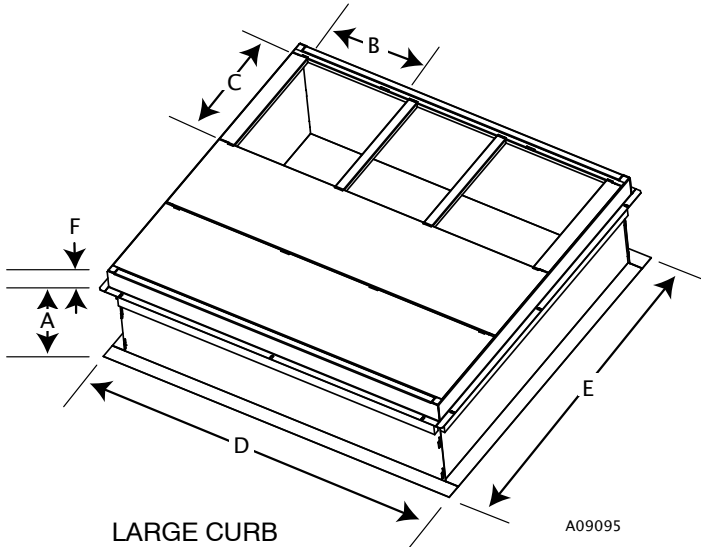
A09090

ROOF CURB DETAIL



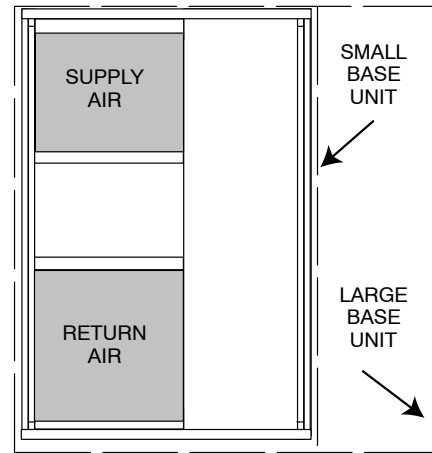
A09096

COMMON CURB



A09095

LARGE CURB



UNIT PLACEMENT ON COMMON CURB

A09094

SMALL OR LARGE BASE UNIT

UNIT SIZE	CATALOG NUMBER	A IN. (mm)	B (small base) IN. (mm)*	B (large base) IN. (mm)*	C IN. (mm)	D IN. (mm)	E IN. (mm)	F IN. (mm)
Small or Large	CPRFCURB010A00	11 (279)	10 (254)	14 (356)	16 (406)	47.8 (1214)	32.4 (822)	2.7 (69)
	CPRFCURB011A00	14 (356)						
Large	CPRFCURB012A00	11 (279)	14 (356)	14 (356)	16 (406)	47.8 (1214)	43.9 (1116)	2.7 (69)
	CPRFCURB013A00	14 (356)	14 (356)				43.9 (1116)	

* Part Numbers CPRFCURB010A00 and CPRFCURB011A00 can be used on both small and large basepan units. The cross supports must be located based on whether the unit is a small basepan or a large basepan.

NOTES:

1. Roof curb must be set up for unit being installed.
2. Seal strip must be applied, as required, to unit being installed.
3. Roof curb is made of 16-gauge steel.
4. Attach ductwork to curb (flanges of duct rest on curb).
5. Insulated panels: 1-in. (25.4 mm) thick fiberglass 1 lb. density.

PAR5 ACCESSORIES

Accessory Model Number	Description	Use With
CURBS		
CPRFCURB010A00	Roof Curb, 11" High	24 – 60
CPRFCURB011A00	Roof Curb, 14" High	ALL
CPRFCURB012A00	Roof Curb, 11" High	36 – 60
CPRFCURB013A00	Roof Curb, 14" High	36 – 60
Note: CPRFCURB010A00 AND CPRFCURB011A00 can be used with 36–60 size units with some overhang.		
ADAPTER CURBS*		
CPADCURB001A00	Adapter curb for use with NPRFCURB006A00 & NPRFCURB007A00	24 – 30
CPADCURB002A00	Adapter curb for use with NPRFCURB008A00 & NPRFCURB009A00	36 – 60

* Can also be used when replacing other manufacturer's older generation units that contain a composite base without a metal base rail.

PAR5 ACCESSORIES (Continued)								
Accessory Model Number		Description					Use With	
CONCENTRIC ADAPTERS – (Use with curb only)								
NPCONADP001A00		For 18" round duct (use with curbs CPRFCURB010A00, CPRFCURB011A00)					Small Curb	
NPCONADP002A00		For 18" round duct (use with curbs CPRFCURB012A00, CPRFCURB013A00)					Large Curb	
DAMPERS								
CPMANDPR007A00		Manual Outside Air Damper – (Includes filter rack and 1" filter, same as CPFILTRK kit)					24 – 30	
CPMANDPR008A00							36 – 42	
CPMANDPR009A00							48 – 60	
ECONOMIZER								
ECD-EDSML-JC2-ADB*		Vertical economizer with Jade Honeywell W7220 controller, Honeywell communicating actuator, and dry bulb sense. (Contact MicroMetl Customer Service at 1-800-662-4822 to order)					24 – 30	
ECD-EDLGS-JC2-ADB*							36 – 42	
ECD-EDLGB-JC2-ADB*							48 – 60	
ECH-EDSML-JC2-ADB*		Horizontal economizer with Jade Honeywell W7220 controller, Honeywell communicating actuator, and dry bulb sense. (Contact MicroMetl Customer Service at 1-800-662-4822 to order)					24 – 30	
ECH-EDLGS-JC2-ADB*							36 – 42	
ECH-EDLGB-JC2-ADB*							48 – 60	
* Contact MicroMetl Customer Service at 1-800-662-4822 to order.								
INTERNAL FILTER RACKS								
CPFILTRK007A00		Internal Filter Rack (includes 1-inch filters)					24 – 30	
CPFILTRK008A00							36 – 42	
CPFILTRK009A00							48 – 60	
LOW AMBIENT, ANTI-CYCLE TIMER, COMPRESSOR START ASSIST								
CPLOWAMB001A00		Low Ambient Control – enables cooling system to operate down to 0 Deg. F by cycling condenser fan on and off.					ALL	
NRTIMEGD001A00		Five Minute Compressor Delay					ALL	
CPHSTART002A00		PTC Compressor Start Assist Kit					ALL	
CRANKCASE HEATERS (Factory installed on some models)								
CPCRKHTR0008A00		Crankcase Heater (single-phase)					24-36	
CPCRKHTR0004A00		Crankcase Heater (single and 3-phase)					42	
CPCRKHTR0004A00		Crankcase Heater (single-phase)					48	
ELECTRIC HEATER USAGE, 208/230-1-60								
Electric Heater Model Number	Nominal Capacity (kW)	Fuses	Used With PAR5 Model Sizes					
			24	30	36	42	48	60
EHNA05K0N	5.0	0	✓	✓	✓	✓	✓	✓
EHNA05K4F	5.0	4	✓	✓	✓	✓	✓	✓
EHNA07K0N	7.5	0	✓	✓	✓	✓	✓	✓
EHNA07K4F	7.5	4	✓	✓	✓	✓	✓	✓
EHNA10K0N	10.0	0	✓	✓	✓	✓	✓	✓
EHNA10K4F	10.0	4	✓	✓	✓	✓	✓	✓
EHNA15K4F	15.0	4		✓	✓	✓	✓	
EHNA15K6F	15.0	6		✓	✓	✓	✓	✓
EHNA20K4F	20.0	6				✓	✓	
EHNA20K6F	20.0	6				✓	✓	✓
ELECTRIC HEATERS USAGE, 208/230-3-60								
	Nominal Capacity kW	Fuses						
EHNA05H0N	3.8 – 5.0 kW	0		ALL				
EHNA10H0N	7.5 – 10.0 kW	0		ALL				
EHNA10H6F	7.5 – 10.0 kW	6		ALL				
EHNA15H0N	11.3 – 15.0 kW	0		ALL				
EHNA15H6F	11.3 – 15.0 kW	6		ALL				
EHNA20H6F	15 – 20.0 kW	6		42 – 60				
DUAL POINT WIRING KIT								
CPDUALPT001A00		Dual Point Wiring kit, 5-20kW Heaters					ALL	
DUCT TRANSITIONS								
NPDUCFLG002A00		Square to Round (1 set of 2, use with horizontal duct flanges only)					24-48	
THERMOSTATS								
TSTAT0406		Universal Programmable Thermostat, Dual Fuel compatible, 2-stage cool, 2-stage gas heat, 2-stage HP heat, 2-stage electric heat					ALL	
TSTAT0408		Universal Programmable Thermostat with Humidity Sensing and Control, Dual Fuel compatible, 2-stage cool, 2-stage gas heat, 2-stage HP heat, 2-stage electric heat.					ALL	
TSTAT0101SC		Observer Communicating Touchscreen Thermostat with Humidity Sensing and Control, Dual Fuel compatible, 2-stage cool, 2-stage gas heat, 2-stage HP heat, 2-stage electric heat.					ALL	
NAXA00101DB		Daughter Board, use with communicating thermostat TSTAT0101SC and non-communicating equipment.					ALL	

International Comfort Products
Lewisburg, Tennessee 37091 USA
www.GoArcoaire.com