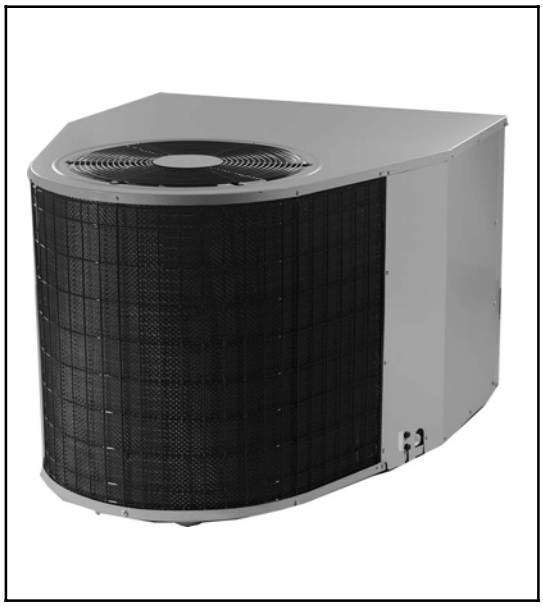
PAM3

Product Specifications

13 SEER PACKAGE AIR CONDITIONER UNIT

Single Phase, 2 to 5 Tons



REFRIGERATION CIRCUIT

- All models are equipped with high efficiency scroll compressor, 4 & 5 ton have two-stage scroll compressors.
- High static indoor blower for mobile home and residential applications.
- Thermostatic Expansion Valve (TXV) on select models controls refrigerant flow.
- High Efficiency indoor motors on all models.
- Factory charged with R-22 refrigerant.

BUILT TO LAST

- Galvanized-painted cabinet. One piece weather resistant top. Access panels for easy service. Side by side supply and return.
- Triple-coated steel, consisting of a Polyester top coat, a urethane primer coat preceded by an oxide pretreatment.
- Drawn fan orifice and swept fan blades on all models except 5 ton for quieter operation.
- The condenser coil has a sturdy wire inlet grille and UV rated vinyl mesh installed on the surface of the coil for additional protection.
- Model numbers ending in "T0A" have tin coated copper tubing evaporator coil for additional corrosion protection.

EASY TO INSTALL AND SERVICE

- New drain pan cover and enclosed control box.
- Combination electric cooling and heat, self contained for year-round comfort.
- Externally-mounted gauge ports allow for more accurate reading of operating conditions while servicing.
- Electrical controls located behind one exterior panel for easier maintenance.
- Round duct flanges for easy flex duct connection.

ELECTRIC HEAT

- New electric heaters from 5 to 20 kw with new slip in installation location.

DEPENDABLE WARRANTY

- Standard five (5) year limited warranty on the compressor.
- Standard five (5) limited warranty on all parts.

GENERAL PRODUCT SPECS (1 Phase - 60 Hz)

Model Number	COOLING			Voltage/Phase/Hz	Unit Dimensions H x W x L	Operating Weight
	Nominal Capacity BTUH	S.E.E.R	E.E.R			
PAM324K00A PAM324KT0A*	23,000	13.2	11.3	208/230-1-60	32-3/8 x 41-1/8 x 51	285
PAM330K00A PAM330KT0A*	28,600	13.2	11.3	208/230-1-60	32-3/8 x 41-1/8 x 51	314
PAM336K00A PAM336KT0A*	35,000	13.2	11.3	208/230-1-60	40-3/8 x 41-1/8 x 51	367
PAM342K00A PAM342KT0A*	40,000	13.2	10.6	208/230-1-60	40-3/8 x 41-1/8 x 51	377
PAM348K00A PAM348KT0A*	44,500	13.2	10.2	208/230-1-60	40-3/8 x 41-1/8 x 51	375
PAM354K00A PAM354KT0A*	52,000	13.0	9.7	208/230-1-60	40-3/8 x 41-1/8 x 51	425

* Models with tin plate evaporator coil.

UNIT SPECIFICATIONS

MODEL			PAM324	PAM330	PAM336	PAM342	PAM348	PAM354
Electrical	208/230 Volt Data (Phase-Hz)		1-60	1-60	1-60	1-60	1-60	1-60
Data:	Max. Fuse / HACR Breaker		25	30	40	40	50	60
	Ampacity		18.6	21.8	27.4	29.8	35.8	40.8
Condenser	Coil	Total Face Area (Sq. Ft.)	11.45	12.3	15.6	15.6	13.2	15.6
Data:		Fins Per In. - Rows	18 / 2	18 / 2	18 / 2	18 / 2	18 / 2	18 / 2
		Tube Dia. (In.)	3/8	3/8	3/8	3/8	3/8	3/8
	Fan	H.P. - RPM	1/8 - 825	1/8 - 825	1/4 - 1100	1/4 - 1100	1/4 - 1100	1/2 - 1100
	Motor:	Full Load Amps.	0.9	0.9	1.4	1.4	1.4	3.0
		Lock Rotor Amps.	1.6	1.6	3.7	3.7	3.7	6.7
	Fan:	Size (Dia.) (In.)	20	20	20	20	20	20
		No. Blades / Pitch	3 / 34	3 / 34	3 / 34	3 / 34	3 / 34	4 / 34
Evaporator	Coil	Total Face Area (Sq. Ft.)	4.67	4.67	5	6	5	6
Data		Fins Per In. - Rows	14 / 3	14 / 4	14 / 4	14 / 4	14 / 4	14 / 4
		Tube Dia. (In.)	3/8	3/8	3/8	3/8	3/8	3/8
	Blower	Motor HP - RPM	1/2 - 1050	1/2 - 1050	3/4 - 1050	3/4 - 1050	1 - 1050	1 - 1050
	Motor:	Full Load Amps	4.1	4.1	6.0	6.0	7.6	7.6
	Blower	Type / Size	10 x 8	10 x 8	11 x 9	11 x 9	11 x 10	11 x 10
		CFM (Rated)	800	1000	1200	1400	1600	2000
Compressor	Type		Copeland Scroll				Copeland 2 Stage Scroll	
Data:	RLA		10.9	13.5	16.0	17.9	21.5	24.1
	LRA		54	72	88	104	116	118
Factory Refrigerant Charge (Type R-22) (lbs)			7.6	10.3	10.8	11.7	11.3	14.5
Refrigerant Metering Device			Fixed Orifice				TXV	
		Orifice ID (In)	0.067	0.070	0.082	0.086	-	-
Sound Data (db)			72	75	74	77	77	80
Weights	Approximate Shipping		285	314	367	377	375	425

UNIT PERFORMANCE DATA

Model No.	Capacity BTUH	S.E.E.R.	E.E.R. [1]	Sensible / Total Ratio	Power Input Watts	Evaporator Rated Air Flow CFM
PAM324	23,000	13.2	11.3	0.76	1928	800
PAM330	28,600	13.2	11.3	0.76	2646	1000
PAM336	35,000	13.2	11.3	0.76	3086	1200
PAM342	40,000	13.2	10.6	0.76	4003	1400
PAM348	44,500	13.2	10.2	0.76	4317	1600
PAM354	52,000	13.0	9.7	0.76	5424	1875

BLOWER PERFORMANCE DATA

Model Number		PAM324			PAM330			PAM336			PAM342			PAM348				PAM354			
Speed Tap		1	2	3	1	2	3	1	2	3	2	3	4	1	2	3	4	1	2	3	4
Air Delivery in CFM @ Varying External Static Pressure (in. w.c.)	0.1	1078	1170	-	-	1170	1266	1420	1497	-	-	1559	1694	1213	1299	1698	1974	1389	1461	2050	2179
	0.2	883	1102	-	-	1102	1221	1288	1438	-	-	1520	1657	1028	1226	1652	1924	1292	1417	2008	2132
	0.3	783	1052	-	-	1052	1184	1209	1387	-	-	1480	1620	909	1157	1601	1859	1228	1364	1965	2093
	0.4	720	1006	-	-	1006	1152	1170	1334	-	-	1438	1583	825	1094	1542	1813	1159	1296	1923	2049
	0.5	681	964	-	-	964	1121	1153	1294	-	-	1401	1550	762	1037	1494	1761	1104	1243	1874	2011
	0.6	615	921	-	-	921	1089	1106	1292	-	-	1359	1514	667	961	1442	1706	1043	1180	1828	1968
	0.7	489	881	-	-	881	1047	1065	1247	-	-	1318	1474	613	915	1390	1651	988	1129	1783	1921
	0.8	435	838	-	-	838	1017	1011	1208	-	-	1268	1437	-	841	1324	1602	940	1083	1734	1877
	0.9	378	789	-	-	789	985	967	1171	-	-	1218	1389	-	769	1265	1538	873	1026	1680	1830
	1.0	317	684	-	-	684	951	910	1117	-	-	1181	-	-	719	1201	1485	828	978	1622	1760

[1] Rated Capacity @ ARI standard conditions, 95° Amb, 80° DB/67° WB, 230 Volts. For applications at 208 volts deduct 1000 BTU.

Air Delivery @ listed external static pressre are taken at 230Volts with Dry coil, no filter and approved heater. Air delivery against shown external static pressures taken with 230V. to unit, dry coil and equipped with approved heater. For wet coil sadd .05″ W.C to Ext. Static Press. measurement. NOTE: For 208 Volt applications, reduce airflow by 15%.

EXPANDED PERFORMANCE DATA – PAM324

OD Ambient (°F)	ID Airflow SCFM	700					800					900				
		Entering Indoor Temperature - Degrees F. Wet Bulb														
		57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72
75	MBh†	19.9	20.4	20.9	22.6	24.7	20.7	21.0	21.4	23.2	25.2	21.5	21.6	21.9	23.6	24.2
	S/T	1.00	0.91	0.73	0.70	0.51	1.00	0.96	0.76	0.73	0.53	1.00	1.00	0.79	0.76	0.51
	KW*	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9
85	MBh†	19.1	19.5	19.9	21.6	23.9	19.9	20.0	20.4	22.1	24.4	20.6	20.6	20.8	22.5	24.8
	S/T	1.00	0.93	0.74	0.71	0.52	1.00	0.99	0.77	0.74	0.53	1.00	1.00	0.81	0.78	0.55
	KW*	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1
95	MBh†	18.4	18.6	19.0	20.5	22.8	19.1	19.1	19.4	23.0	23.4	19.8	19.8	19.7	21.4	23.8
	S/T	1.00	0.96	0.75	0.72	0.52	1.00	1.00	0.79	0.76	0.54	1.00	1.00	0.83	0.80	0.56
	KW*	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3
105	MBh†	17.5	17.6	17.9	19.5	21.7	18.3	18.3	18.3	19.9	22.2	18.9	18.9	18.6	20.2	22.6
	S/T	1.00	1.00	0.77	0.74	0.53	1.00	1.00	0.81	0.78	0.55	1.00	1.00	0.85	0.82	0.57
	KW*	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5
115	MBh†	16.6	16.6	16.7	18.3	20.4	17.3	17.3	17.1	18.7	20.9	17.9	17.9	17.4	19.0	21.2
	S/T	1.00	1.00	0.80	0.76	0.54	1.00	1.00	0.84	0.80	0.56	1.00	1.00	0.88	0.85	0.58
	KW*	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.8

EXPANDED PERFORMANCE DATA – PAM330

OD Ambient (°F)	ID Airflow (SCFM)	875					1000					1125				
		Entering Indoor Temperature - Degrees F, Wet Bulb														
		57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72
75	MBh†	27.0	28.2	28.9	30.7	32.0	28.7	29.1	29.5	31.1	32.9	29.9	29.9	29.9	31.3	33.1
	S/T	0.99	0.91	0.72	0.70	0.50	0.99	0.96	0.75	0.74	0.49	0.99	0.99	0.79	0.78	0.49
	kW*	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3
85	MBh†	25.7	26.4	27.1	30.0	32.4	27.3	27.4	28.0	30.7	32.7	28.7	28.8	28.8	31.2	32.9
	S/T	0.99	0.94	0.74	0.70	0.52	0.99	0.99	0.77	0.74	0.54	0.99	0.99	0.81	0.78	0.56
	kW*	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5
95	MBh†	24.5	24.8	25.4	28.1	31.7	25.9	26.0	26.2	29.0	32.3	27.2	27.3	26.9	29.7	32.6
	S/T	0.99	0.97	0.76	0.72	0.52	0.99	0.99	0.79	0.76	0.54	0.99	0.99	0.83	0.80	0.56
	kW*	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.7
105	MBh†	23.2	23.3	23.7	26.3	30.0	24.6	24.7	24.5	27.1	30.9	25.8	25.8	25.0	27.7	31.6
	S/T	0.99	0.99	0.78	0.75	0.53	0.99	0.99	0.82	0.79	0.55	0.99	0.99	0.86	0.83	0.57
	kW*	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	3.0	3.0
115	MBh†	21.8	21.9	21.9	24.4	28.0	23.2	23.3	22.6	25.1	28.9	24.3	24.4	23.1	25.7	29.5
	S/T	0.99	0.99	0.81	0.77	0.54	0.99	0.99	0.85	0.82	0.56	0.99	0.99	0.90	0.86	0.59
	kW*	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.3
125	MBh†	20.3	20.4	19.8	22.5	26.0	21.6	21.7	20.4	23.2	26.7	22.8	22.8	20.9	23.7	27.3
	S/T	0.99	0.99	0.85	0.80	0.55	0.99	0.99	0.90	0.85	0.58	0.99	0.99	0.95	0.90	0.61
	kW*	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.5	3.5	3.5	3.6

Notes: When the required data fall between the published data, interpolation may be performed. Extrapolation is not an acceptable practice.
† Total capacities are net capacities. Blower heat has been subtracted
†† At TVA rating indoor condition (75 F db/ 63 F wb), All other indoor air temperatures are at 80 F db
* System kW is total unit kW

Key: Standard Rating

EXPANDED PERFORMANCE DATA – PAM336

OD Ambient (°F)	ID Airflow (SCFM)	1050					1200					1350				
		Entering Indoor Temperature - Degrees F, Wet Bulb														
		57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72
75	MBh†	33.1	35.1	35.8	38.8	40.9	33.7	36.2	36.8	39.6	41.5	33.7	37.3	37.5	40.0	41.8
	S/T	1.00	0.91	0.72	0.69	0.55	1.08	0.95	0.75	0.72	0.52	1.08	0.98	0.79	0.76	0.53
	kW*	2.6	2.6	2.6	2.7	2.6	2.7	2.7	2.7	2.7	2.8	2.7	2.8	2.8	2.8	2.8
85	MBh†	32.5	33.3	34.0	37.1	40.5	32.7	34.4	34.9	38.1	40.9	33.4	35.7	35.6	38.9	41.4
	S/T	1.00	0.93	0.73	0.71	0.52	1.00	0.97	0.77	0.74	0.54	1.00	0.98	0.80	0.78	0.55
	kW*	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1
95	MBh†	31.2	31.5	32.1	35.1	39.4	31.4	32.7	32.9	36.0	40.3	32.3	34.0	33.5	36.7	40.9
	S/T	1.00	0.96	0.75	0.72	0.52	1.00	0.98	0.79	0.76	0.54	1.00	0.98	0.83	0.80	0.56
	kW*	3.2	3.2	3.2	3.2	3.2	3.3	3.2	3.2	3.3	3.3	3.4	3.3	3.3	3.4	3.4
105	MBh†	29.4	29.6	30.1	33.0	37.2	30.1	31.1	30.8	33.8	38.1	30.4	32.3	31.4	34.4	38.8
	S/T	1.00	0.98	0.77	0.74	0.53	1.00	0.98	0.81	0.78	0.55	1.00	0.98	0.85	0.82	0.57
	kW*	3.5	3.5	3.5	3.5	3.5	3.6	3.5	3.5	3.6	3.6	3.7	3.6	3.6	3.7	3.7
115	MBh†	28.4	29.3	29.4	32.4	34.8	28.7	29.4	28.7	31.5	35.6	29.4	30.5	29.3	32.1	36.3
	S/T	1.00	0.99	0.82	0.79	0.54	1.00	0.98	0.84	0.81	0.56	1.00	0.98	0.88	0.85	0.59
	kW*	3.9	3.8	3.8	3.9	3.9	4.0	3.9	3.9	3.9	3.9	4.1	4.0	3.9	4.0	4.0
125	MBh†	28.0	29.1	28.7	31.8	32.4	28.3	27.4	29.0	30.7	33.1	28.2	28.7	29.2	29.8	33.7
	S/T	1.00	0.98	0.80	0.77	0.55	1.00	0.98	0.92	0.87	0.58	1.00	0.98	0.98	0.89	0.60
	kW*	4.3	4.2	4.2	4.2	4.2	4.4	4.2	4.3	4.3	4.3	4.5	4.3	4.3	4.3	4.4

EXPANDED PERFORMANCE DATA – PAM342

OD Ambient (°F)	ID Airflow (SCFM)	1225					1400					1575				
		Entering Indoor Temperature - Degrees F, Wet Bulb														
		57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72
75	MBh†	37.9	38.8	40.2	40.9	43.7	37.7	40.3	39.6	43.6	43.9	37.6	40.1	40.2	42.5	44.7
	S/T	1.00	0.99	0.72	0.71	0.51	1.22	0.99	0.76	0.73	0.53	1.22	0.95	0.78	0.77	0.55
	kW*	3.0	3.3	3.3	3.2	3.6	3.1	3.3	3.3	3.3	3.3	3.4	3.4	3.5	3.4	3.4
85	MBh†	36.1	36.7	38.5	40.1	42.7	37.2	38.6	39.0	40.6	43.6	37.4	39.8	39.6	42.2	44.6
	S/T	1.00	0.99	0.73	0.71	0.52	1.00	0.99	0.77	0.76	0.55	1.00	0.99	0.81	0.79	0.57
	kW*	3.4	3.4	3.4	3.4	3.6	3.4	3.5	3.5	3.6	3.5	3.6	3.6	3.6	3.6	3.6
95	MBh†	35.1	35.9	36.7	39.3	42.2	36.6	37.2	37.4	40.0	42.4	37.0	38.1	36.5	40.5	42.8
	S/T	1.00	1.00	0.75	0.72	0.53	1.00	1.00	0.79	0.76	0.55	1.00	0.99	0.84	0.81	0.58
	kW*	3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.9
105	MBh†	32.8	33.9	34.3	36.8	39.3	34.8	35.2	34.9	37.4	39.7	33.9	34.1	33.4	36.0	39.9
	S/T	1.00	0.99	0.77	0.74	0.54	1.00	1.00	0.81	0.79	0.56	1.00	0.99	0.86	0.84	0.57
	kW*	4.1	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.2
115	MBh†	31.3	32.2	32.3	34.8	36.0	31.3	31.7	31.3	33.7	37.6	32.1	32.7	30.5	32.7	36.6
	S/T	1.00	1.00	0.79	0.76	0.53	1.00	0.99	0.85	0.82	0.58	1.00	0.99	1.01	1.01	0.61
	kW*	4.5	4.3	4.3	4.4	4.3	4.6	4.7	4.4	4.4	4.5	4.8	4.8	4.8	4.8	4.9
125	MBh†	28.0	28.6	27.4	31.3	33.0	28.2	28.8	27.6	30.0	32.9	29.0	29.7	27.9	30.6	32.8
	S/T	1.00	1.00	0.90	0.80	0.59	1.00	0.99	0.90	0.87	0.59	1.00	0.99	0.97	0.92	0.55
	kW*	5.0	4.9	4.9	4.8	5.1	4.7	4.7	4.7	4.8	5.1	4.9	4.9	4.8	4.8	4.9

Notes: When the required data fall between the published data, interpolation may be performed. Extrapolation is not an acceptable practice.
† Total capacities are net capacities. Blower heat has been subtracted
†† At TVA rating indoor condition (75 F db/ 63 F wb), All other indoor air temperatures are at 80 F db
* System kW is total unit kW

Key: Standard Rating

EXPANDED PERFORMANCE DATA – PAM348 – HIGH CAPACITY

OD Ambient (°F)	ID Airflow (SCFM)	1400					1600					1800				
		Entering Indoor Temperature - Degrees F, Wet Bulb														
		57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72
75	MBh†	42.4	43.6	44.3	47.7	52.3	44.4	44.8	45.3	48.7	53.4	46.0	46.0	46.1	49.5	54.3
	S/T	0.98	0.91	0.72	0.70	0.51	0.98	0.95	0.76	0.73	0.53	0.98	0.98	0.79	0.77	0.55
	kW*	3.6	3.6	3.6	3.6	3.6	3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8
85	MBh†	41.2	42.0	42.6	45.9	50.5	43.0	43.2	43.6	46.9	51.5	44.5	44.6	44.4	47.7	52.3
	S/T	0.98	0.92	0.73	0.71	0.52	0.98	0.97	0.77	0.75	0.54	0.98	0.98	0.80	0.78	0.56
	kW*	3.9	3.9	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.1	4.2
95	MBh†	39.8	40.4	40.9	44.1	48.5	41.6	41.6	41.8	45.0	49.4	43.0	43.1	42.5	45.7	50.2
	S/T	0.98	0.94	0.75	0.72	0.52	0.98	0.98	0.78	0.76	0.54	0.98	0.98	0.82	0.80	0.57
	kW*	4.3	4.3	4.3	4.3	4.4	4.4	4.4	4.4	4.4	4.4	4.5	4.5	4.5	4.5	4.5
105	MBh†	38.4	38.7	39.1	42.2	46.4	40.1	40.1	40.0	43.0	47.3	41.4	41.5	40.6	43.7	48.0
	S/T	0.98	0.96	0.76	0.74	0.53	0.98	0.98	0.80	0.78	0.55	0.98	0.98	0.84	0.82	0.58
	kW*	4.7	4.7	4.7	4.7	4.8	4.8	4.8	4.8	4.8	4.9	4.9	4.9	4.9	4.9	4.9
115	MBh†	36.9	37.0	37.3	40.2	44.3	38.5	38.5	38.1	41.0	45.1	39.8	39.8	38.7	41.6	45.7
	S/T	0.98	0.98	0.78	0.75	0.54	0.98	0.98	0.82	0.80	0.56	0.98	0.98	0.86	0.84	0.59
	kW*	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.3	5.3	5.3	5.3	5.3	5.4	5.4
125	MBh†	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	S/T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	kW*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

EXPANDED PERFORMANCE DATA – PAM348 – LOW CAPACITY

OD Ambient (°F)	ID Airflow (SCFM)	950					1100					1250				
		Entering Indoor Temperature - Degrees F, Wet Bulb														
		57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72
75	MBh†	29.4	30.3	30.8	33.1	36.3	30.9	31.1	31.5	33.9	37.1	32.1	32.2	32.2	34.5	37.7
	S/T	0.98	0.90	0.72	0.70	0.51	0.98	0.96	0.76	0.73	0.53	0.98	0.98	0.80	0.77	0.55
	kW*	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.4
85	MBh†	28.6	29.3	29.8	32.0	35.1	30.0	30.2	30.5	32.7	35.8	31.2	31.3	31.0	33.3	36.4
	S/T	0.98	0.92	0.73	0.71	0.52	0.98	0.97	0.77	0.75	0.54	0.98	0.98	0.81	0.79	0.56
	kW*	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.7
95	MBh†	27.8	28.2	28.7	30.8	33.8	29.1	29.2	29.4	31.5	34.5	30.2	30.3	29.9	32.0	35.1
	S/T	0.98	0.94	0.74	0.72	0.52	0.98	0.98	0.78	0.76	0.55	0.98	0.98	0.82	0.80	0.57
	kW*	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	3.0	3.0
105	MBh†	26.9	27.1	27.5	29.6	32.5	28.2	28.2	28.2	30.2	33.1	29.2	29.3	28.7	30.7	33.6
	S/T	0.98	0.95	0.75	0.73	0.53	0.98	0.98	0.80	0.78	0.55	0.98	0.98	0.84	0.82	0.58
	kW*	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3
115	MBh†	25.9	26.0	26.3	28.3	31.1	27.1	27.2	26.9	28.9	31.7	28.1	28.2	27.4	29.4	32.1
	S/T	0.98	0.97	0.77	0.75	0.54	0.98	0.98	0.82	0.79	0.56	0.98	0.98	0.86	0.84	0.59
	kW*	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.6	3.7	3.7	3.7	3.7	3.7	3.7
125	MBh†	24.9	24.9	25.0	26.9	29.6	26.0	26.1	25.6	27.5	30.1	26.9	27.0	26.0	27.9	30.5
	S/T	0.98	0.98	0.79	0.76	0.55	0.98	0.98	0.84	0.81	0.58	0.98	0.98	0.88	0.86	0.60
	kW*	3.9	3.9	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.1	4.2

Notes: When the required data fall between the published data, interpolation may be performed. Extrapolation is not an acceptable practice.
† Total capacities are net capacities. Blower heat has been subtracted
†† At TVA rating indoor condition (75 F db/ 63 F wb), All other indoor air temperatures are at 80 F db
* System kW is total unit kW

Key: Standard Rating

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

EXPANDED PERFORMANCE DATA - PAM354 - HIGH CAPACITY

OD Ambient (°F)	ID Airflow (SCFM)	1750					1875					2000				
		Entering Indoor Temperature - Degrees F, Wet Bulb														
		57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72
75	MBh†	51.5	52.1	52.8	56.7	62.0	52.7	52.8	53.4	57.2	62.6	55.5	55.5	54.8	58.6	64.0
	S/T	0.95	0.92	0.73	0.71	0.51	0.95	0.94	0.75	0.73	0.52	0.95	0.95	0.80	0.78	0.55
	kW*	4.3	4.3	4.3	4.4	4.5	4.4	4.4	4.4	4.5	4.6	4.5	4.5	4.5	4.6	4.7
85	MBh†	49.7	49.9	50.5	54.1	59.2	50.7	50.8	51.0	54.6	59.7	53.3	53.4	52.2	55.9	60.9
	S/T	0.95	0.94	0.74	0.72	0.52	0.95	0.95	0.76	0.74	0.53	0.95	0.95	0.82	0.80	0.56
	kW*	4.7	4.7	4.7	4.8	4.9	4.8	4.8	4.8	4.9	5.0	5.0	5.0	4.9	5.0	5.1
95	MBh†	47.8	47.8	48.1	51.5	56.3	48.7	48.8	48.6	52.0	56.8	51.2	51.2	49.7	53.1	57.9
	S/T	0.95	0.95	0.76	0.74	0.53	0.95	0.95	0.78	0.76	0.54	0.95	0.95	0.84	0.83	0.58
	kW*	5.2	5.2	5.2	5.3	5.4	5.3	5.3	5.3	5.4	5.5	5.4	5.4	5.4	5.5	5.6
105	MBh†	45.8	45.9	45.8	49.0	53.5	46.7	46.8	46.2	49.4	53.9	48.9	49.0	47.2	50.4	54.8
	S/T	0.95	0.95	0.78	0.76	0.54	0.95	0.95	0.80	0.78	0.55	0.95	0.95	0.87	0.85	0.59
	kW*	5.7	5.7	5.7	5.8	5.9	5.8	5.8	5.8	5.9	6.0	5.9	5.9	5.9	6.0	6.1
115	MBh†	43.8	43.8	43.4	46.3	50.4	44.6	44.7	43.7	46.7	50.6	46.6	46.7	44.7	47.6	51.4
	S/T	0.95	0.95	0.80	0.78	0.55	0.95	0.95	0.82	0.80	0.56	0.95	0.95	0.89	0.88	0.61
	kW*	6.3	6.3	6.3	6.3	6.4	6.4	6.4	6.4	6.4	6.5	6.5	6.5	6.5	6.5	6.6
125	MBh†	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	S/T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	kW*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

EXPANDED PERFORMANCE DATA - PAM354 - LOW CAPACITY

OD Ambient (°F)	ID Airflow (SCFM)	1150					1300					1500				
		Entering Indoor Temperature - Degrees F, Wet Bulb														
		57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72
75	MBh†	34.1	35.1	35.8	38.7	42.6	35.7	36.1	36.6	39.5	43.4	37.4	37.5	37.5	40.4	44.2
	S/T	0.99	0.92	0.72	0.70	0.51	0.99	0.97	0.76	0.73	0.53	0.99	0.99	0.80	0.78	0.55
	kW*	2.7	2.6	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8
85	MBh†	33.1	33.8	34.4	37.2	41.0	34.5	34.7	35.2	38.0	41.7	36.2	36.2	36.0	38.8	42.5
	S/T	0.99	0.94	0.74	0.71	0.51	0.99	0.98	0.77	0.75	0.53	0.99	0.99	0.82	0.79	0.56
	kW*	3.0	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1
95	MBh†	32.0	32.4	33.0	35.7	39.4	33.4	33.4	33.7	36.4	40.1	34.9	35.0	34.5	37.2	40.7
	S/T	0.99	0.96	0.75	0.72	0.52	0.99	0.99	0.78	0.76	0.54	0.99	0.99	0.83	0.81	0.57
	kW*	3.3	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4
105	MBh†	30.9	31.1	31.6	34.2	37.7	32.2	32.2	32.3	34.8	38.1	33.7	33.7	33.0	35.5	39.1
	S/T	0.99	0.98	0.76	0.74	0.53	0.99	0.99	0.80	0.78	0.55	0.99	0.99	0.85	0.83	0.58
	kW*	3.7	3.6	3.6	3.6	3.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.8	3.8
115	MBh†	29.8	29.8	30.2	32.7	36.2	31.0	31.1	30.8	33.3	36.7	32.4	32.4	31.5	33.9	37.1
	S/T	0.99	0.99	0.78	0.75	0.53	0.99	0.99	0.82	0.79	0.56	0.99	0.99	0.87	0.85	0.59
	kW*	4.1	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.2	4.2	4.2	4.2
125	MBh†	28.7	28.7	28.9	31.1	35.1	29.9	29.9	29.4	31.8	35.3	31.0	31.4	30.0	32.1	35.1
	S/T	0.99	0.99	0.79	0.77	0.54	0.99	0.99	0.84	0.81	0.56	0.99	0.99	0.90	0.88	0.60
	kW*	4.5	4.5	4.5	4.5	4.5	4.6	4.6	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.7

Notes: When the required data fall between the published data, interpolation may be performed. Extrapolation is not an acceptable practice.
† Total capacities are net capacities. Blower heat has been subtracted
†† At TVA rating indoor condition (75 F db/ 63 F wb), All other indoor air temperatures are at 80 F db
* System kW is total unit kW

Key: Standard Rating

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

ELECTRIC HEATER USAGE CHART

	EHMA Heater Model No's (Example: EHMA05KN)							
Without Circuit Breakers	**O5KN**		**07KN**		**10KN**			
With Circuit Breakers		**O5KB**		**07KB**		**10KB**	**15KB**	**20KB**
Unit kW	**5kW**		**7.5kW**		**10kW**		**15kW**	**20kW**
PAM3	**USED ON**							
24	X	X	X	X	X	X		
30	X	X	X	X	X	X	X	
36	X	X	X	X		X	X	X
42	X	X	X	X		X	X	X
48	X	X	X	X		X	X	X
54	X	X	X	X		X	X	X

PAM3 - ELECTRICAL DATA: ELECTRIC HEAT ACCESSORY

Heater Model	Used With	Supply Voltage	KW Rating	Nominal Heating BTUH	Supply Circuit No.	Heater Amps	Mininum Circuit Ampacity	Max. Overcurrent Protective Device (Amps)
EHMA05KB	2 to 5 Ton	240-1-60	5.0	17,065	L3 - L4	20.8	26.0	30
EHMA05KN		208-1-60	3.75	12,798	L3 - L4	18.0	22.5	25
EHMA07KB	2 to 5 Ton	240-1-60	7.5	25,598	L3-L4	31.3	39.1	40
EHMA07KN		208-1-60	5.6	19,113	L3-L4	27.1	33.9	35
EHMA10KB	2 to 5 Ton	240-1-60	10.0	34,130	L3 - L4	41.7	52.1	60
		208-1-60	7.5	25,598	L3 - L4	36.2	45.3	45
EHMA10KN	2 to 3-1/2 Ton	240-1-60	10.0	34,130	L3 - L4	41.7	52.1	60
		208-1-60	7.5	25,598	L3 - L4	36.2	45.3	45
EHMA15KB	2-1/2 to 5 Ton	240-1-60	15.0	51,195	L3 - L4	41.7	52.1	60
					L5 - L6	20.8	26.0	30
		208-1-60	11.25	38,567	L3 - L4	36.2	45.3	45
					L5 - L6	18.0	22.5	25
EHMA20KB	3 to 5 Ton	240-1-60	20	68,260	L3 - L4	41.7	52.1	60
					L5 - L6	41.7	52.1	60
		208-1-60	15.0	51,195	L3 - L4	36.2	45.3	45
					L5 - L6	36.2	45.3	45

PAM3 - PERFORMANCE DATA: ELECTRIC HEAT ACCESSORY

Heater Model	Use With	Supply Voltage	KW Rating	Total Heating BTUH	*Temperature Rise °F @ CFM								
					600	800	1000	1200	1400	1600	1800	2000	2200
EHMA05KB	2 to 5 Ton	240-1-60	5.0	17,065	26.4	19.8	15.8	13.1	11.2	9.9	8.7	7.9	-
EHMA05KN		208-1-60	3.75	12,798	19.8	14.8	11.9	9.9	8.4	7.4	6.6	5.9	-
EHMA07KB	2 to 5 Ton	240-1-60	7.5	25,598	39.5	29.6	23.7	19.8	16.9	14.8	13.2	11.9	10.8
EHMA07KN		208-1-60	5.6	19,113	29.5	22.1	17.7	14.7	12.6	11.1	9.8	8.8	8.0
EHMA10KB	2 to 5 Ton	240-1-60	10.0	34,130	52.7	39.5	31.6	26.4	22.6	19.8	17.6	15.8	14.4
		208-1-60	7.5	25,598	39.5	29.6	23.7	19.8	17.0	14.8	13.1	11.9	10.7
EHMA10KN	2 to 3-1/2 Ton	240-1-60	10.0	34,130	52.7	39.5	31.6	26.4	22.6	19.8	17.6	15.8	14.4
		208-1-60	7.5	25,598	39.5	29.6	23.7	19.8	17.0	14.8	13.1	11.9	10.7
EHMA15KB	2-1/2 to 5 Ton	240-1-60	15.0	51,195	-	59.3	47.4	39.5	33.9	29.6	26.4	23.7	21.2
		208-1-60	11.25	38,567	59.3	44.5	35.5	27.3	25.4	22.2	19.8	17.8	16.1
EHMA20KB	3 to 5 Ton	240-1-60	20.0	68,260	-	-	-	52.7	45.1	39.5	35.1	31.6	28.7
		208-1-60	15.0	51,195	-	59.3	47.4	39.5	33.9	29.6	26.4	23.7	21.2

* Order unit breaker separately for unit protection and is listed in Table for Unit. Circuit Breakers.
** Order Disconnect Switch kit separately

UNIT CIRCUIT BREAKERS - (REQUIRED WITH BREAKER STYLE HEATER FOR UNIT DISCONNECT FEATURE ORDER FROM SERVICE PARTS

Breaker Amps	Part Number	Application
20	1082007	N/A
25	1082008	2 TON
30	1082009	$2^1/_2$ TON
35	1082010	3 TON
40	1082011	3 TON
45	1082012	$3^1/_2$ TON
50	1082013	$3^1/_2$ - 4 TON
60	1082014	4 TON
60 Switch	1082042	Fits All - Disconnect Switch Only (No Over Current Protection)
AMM001DSA	**DISCONNECT SWITCH KIT (includes 60A switch & rain shield) BREAKER FOR UNIT ONLY. FOR "NO HEAT" or PIGTAIL STYLE HEATER APPLICATION ONLY.**	

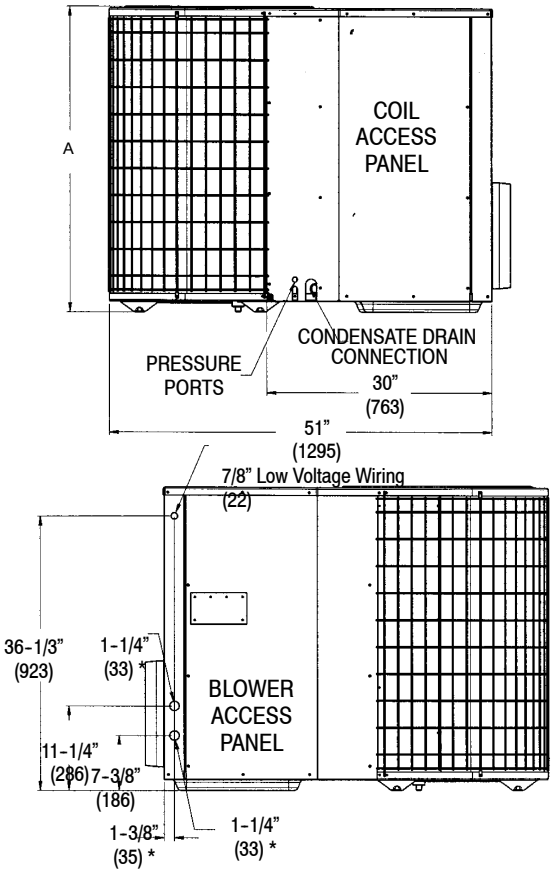
OUTDOOR THERMOSTAT

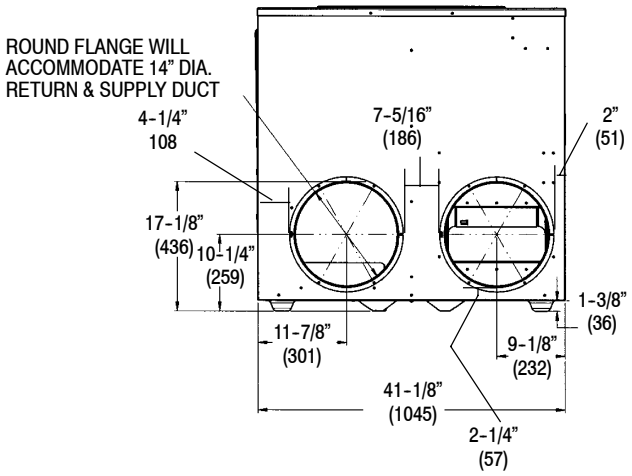
Model Number	Description	Use With Model Size
AMF002OTA	2 Stage, Electronic	ALL

MODEL NUMBER IDENTIFICATION GUIDE

Product Family	SEER	Nominal Cooling Capacity Btuh	Voltage	Heat Options	Design Code	Eng. Rev. Code
PAM - Package A/C	3 = 13	24 = 24,000	K = 208/230-1-60	00 = No Heat / No Options	A	1
PHM - Package H/P		30 = 30,000		T0 = Tin Plated Evaporator Coil		
		36 = 36,000				
		42 = 42,000				
		48 = 48,000				
		54 = 54,000				
Example: PAM	3	24	K	00	A	1

DIMENSIONS





Unit	A Dim.
PAM324 & 30	32-3/8 (821)
PAM336 to 54	40-3/8 (1025)

All dimensions in inches (mm)

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE