Comfortmaker®
Air Conditioning & Heating

PAT3

Product Specifications

13 SEER R-22 PACKAGE AIR CONDITIONER, 2 - 5 TONS
Single-Phase, 208/230-1-60

REFRIGERATION CIRCUIT

- Scroll compressors standard on all models
- Copper tube/aluminum fin condenser and evaporator coils

EASY TO INSTALL AND SERVICE

- Installs easily on a rooftop or at ground level
- Accessory electric heaters with single point connections
- Easy service access from side and rear

BUILT TO LAST

- Cleanable, foil-faced insulation
- Fan motors with internal overload protection
- Pre-painted steel cabinet
- Vertical condenser fan discharge
- Rust-proof base with integral sloping drain

LIMITED WARRANTY

- 5-year compressor limited warranty
- 5-year parts limited warranty

ARI PERFORMANCE CERTIFIED
ARI Standard 210/240
Unitary Air Conditioners

c UL us LISTED

UNIT PERFORMANCE DATA

Model Number	COOLING			Unit Dimensions H x W x D	Operating Weight (lbs)
	Nominal Capacity BTU/h	SEER	EER		
PAT324K00A	23,000	13.0	11.0	30 x 51 x 32	268
PAT330K00A	28,600	13.2	11.3	34 x 51 x 32	299
PAT336K00A	35,000	13.2	11.3	42 x 51 x 32	352
PAT342K00A	40,000	13.2	10.6	42 x 51 x 32	364
PAT348K00A	46,000	13.2	10.2	42 x 51 x 32	356
PAT360K00A	52,000	13.0	9.7	42 x 51 x 32	408

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UNIT SPECIFICATIONS

MODEL NUMBER	Electrical Data 208/230-1-60		Condenser									Sound Ratings (dBA)
			Coil			Fan Motor			Fan			
	Maximum HACR Breaker or Fuse	MCA	Face Area (ft.2)	Fins Per Inch / Rows	Tube Diameter (inches)	Horse Power	Full Load Amps	Locked Rotor Amps	Diameter (inches)	RPM (Max)	CFM (Design)	
PAT324	25 amps	18.6	11.1	21 / 2	3/8	1/8	0.9	1.6	20	825	2600	72
PAT330	30 amps	21.8	12.7	21 / 2	3/8	1/8	0.9	1.6	20	825	2600	72
PAT336	40 amps	27.4	15.8	21 / 2	3/8	1/4	1.4	3.7	20	1100	3200	75
PAT342	40 amps	29.8	15.8	21 / 2	3/8	1/4	1.4	3.7	20	1100	3200	77
PAT348	50 amps	33.0	15.8	21 / 2	3/8	1/4	1.4	3.2	20	1100	3200	77
PAT360	60 amps	40.7	15.8	21 / 2	3/8	1/2	3.0	6.7	20	1100	3300	80

MODEL NUMBER	Evaporator								Scroll Compressor		Factory Refrigerant Charge R-22 (lbs)	Shipping Weight (lbs)
	Coil			Motor		Blower						
	Face Area (ft.2)	Fins Per Inch / Rows	Tube Diam. (inch)	HP	Full Load Amps	Size (inches)	RPM (Max)	CFM (Rated)	Rated Load Amps	Locked Rotor Amps		
PAT324	4.3	17 / 3	3/8	1/2	4.1	10 x 8	1050	800	10.9	54.0	6.8	298
PAT330	4.9	17 / 4	3/8	1/2	4.1	10 x 8	1050	1000	13.5	72.5	9.5	329
PAT336	4.9	17 / 4	3/8	3/4	6.0	11 x 9	1050	1200	16.0	88.0	9.5	382
PAT342	6.1	17 / 4	3/8	3/4	6.0	11 x 9	1050	1400	17.9	104.0	11.1	394
PAT348	6.1	17 / 4	3/8	1.0	7.6	11 x 10	1050	1600	19.2	97.0	10.0	386
PAT360	6.1	17 / 4	3/8	1.0	7.6	11 x 10	1050	1875	24.1	118.0	12.5	438

UNIT PERFORMANCE DATA

Model Number	COOLING			
	Rated Capacity (BTU/h)	S.E.E.R	E.E.R.	S/T Ratio
PAT324	23,000	13.0	11.0	.76
PAT330	28,600	13.2	11.3	.76
PAT336	35,000	13.2	11.3	.76
PAT342	40,000	13.2	10.6	.76
PAT348	46,000	13.2	10.2	.76
PAT360	52,000	13.0	9.7	.76

UNIT AIRFLOW, Horizontal Discharge, 230 Volts, Dry Coil

Model	Motor Speed		External Static Pressure (Inches Water Column)									
			0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
PAT324	1	Watts	—	99	100	118	130	142	—	—	—	—
		CFM	—	848	793	757	698	632	—	—	—	—
	2	Watts	—	—	—	—	—	222	233	244	257	260
		CFM	—	—	—	—	—	970	918	861	795	729
PAT330	2	Watts	—	155	146	157	170	—	—	—	—	—
		CFM	—	1108	995	951	884	—	—	—	—	—
	3	Watts	—	—	—	—	—	261	275	286	291	315
		CFM	—	—	—	—	—	1117	1053	1014	980	877
PAT336	1	Watts	180	166	179	191	204	216	—	—	—	—
		CFM	1344	1215	1172	1136	1095	1051	—	—	—	—
	2	Watts	—	—	—	261	276	290	301	316	329	342
		CFM	—	—	—	1343	1304	1272	1234	1190	1148	1100
PAT342	3	Watts	269	283	305	321	336	349	360	—	—	—
		CFM	1440	1404	1369	1333	1301	1273	1239	—	—	—
	4	Watts	—	—	418	432	450	465	480	490	503	518
		CFM	—	—	1572	1543	1504	1475	1441	1418	1380	1332
PAT348	1	Watts	—	204	209	216	229	236	249	—	—	—
		CFM	—	1129	1087	1027	994	932	881	—	—	—
	2	Watts	—	—	233	245	254	266	276	289	—	—
		CFM	—	—	1164	1122	1066	1025	954	906	—	—
	3	Watts	386	398	409	418	425	435	438	441	451	—
		CFM	1680	1652	1625	1583	1555	1515	1477	1444	1403	—
	4	Watts	—	440	448	457	462	469	477	480	485	486
		CFM	—	1745	1717	1684	1651	1612	1573	1537	1508	1470
PAT360	1	Watts	224	235	251	266	277	291	298	—	—	—
		CFM	1334	1288	1259	1224	1181	1157	1117	—	—	—
	2	Watts	—	—	286	301	311	325	333	344	370	—
		CFM	—	—	1333	1296	1261	1232	1199	1170	1062	—
	3	Watts	608	626	643	660	668	685	697	—	—	—
		CFM	1931	1900	1878	1844	1817	1789	1755	—	—	—
	4	Watts	737	755	770	787	799	817	826	812	782	—
		CFM	2093	2061	2028	2001	1971	1934	1899	1850	1757	—

* Air delivery values are without air filter and are for dry coil (See Pressure Drop tables). Deduct field-supplied air filter pressure drop and wet coil pressure drop to obtain external static pressure available for ducting.

1. Do not operate the unit at a cooling airflow that is less than 350 cfm for each 12,000 Btuh of rated cooling capacity. Evaporator coil frosting may occur at airflows below this point.
2. Dashes indicate portions of table that are beyond the blower motor capacity or are not recommended.

WET COIL PRESSURE DROP

MODEL SIZE	STANDARD CFM (S.C.F.M.)														
	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
	Pressure Drop (inches water column)														
24	0.027	0.034	0.040	0.047	0.053	—	—	—	—	—	—	—	—	—	—
30	—	0.036	0.042	0.050	0.055	0.063	0.072	0.081	—	—	—	—	—	—	—
36	—	—	—	0.050	0.055	0.063	0.072	0.081	0.090	0.097	—	—	—	—	—
42	—	—	—	—	0.042	0.049	0.052	0.059	0.065	0.071	0.078	0.085	0.091	—	—
48	—	—	—	—	—	—	0.072	0.081	0.090	0.097	0.108	0.120	0.129	0.139	—
60	—	—	—	—	—	—	—	—	—	0.071	0.078	0.085	0.091	0.098	0.114

FILTER PRESSURE DROP

FILTER SIZE	CFM																		
	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
	Pressure Drop (inches water column)																		
24 x 24 x 1	0.06	0.07	0.08	0.08	0.09	0.09	0.09	0.10	0.11	0.12	0.14	0.15	—	—	—	—	—	—	—
30 x 30 x 1	—	—	—	—	—	—	—	—	0.08	0.09	0.10	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.18

Minimum Filter Requirements:
24 x 24 x 1 = PAT324, PAT330, PAT336
30 x 30 x 1 = PAT342, PAT348, PAT360

ELECTRIC HEATER ELECTRICAL DATA

MODEL SIZE	NOMINAL VOLTAGE	VOLTAGE RANGE		ELECTRIC HEAT (208V / 240V)		POWER SUPPLY (208V / 230V)	
		MIN	MAX	NOMINAL kW	Full Load Ampacity	Minimum Circuit Ampacity	Maximum Over Current Protection
24	208/230-1-60	187	253	- / -	- / -	18.6 / 18.6	25 / 25
				3.8 / 5	18.0 / 20.8	27.6 / 31.1	30 / 35
				5.6 / 7.5	27.0 / 31.3	38.9 / 44.3	40 / 45
				7.5 / 10	36.1 / 41.7	50.3 / 57.3	60 / 60
30	208/230-1-60	187	253	- / -	- / -	21.8 / 21.8	30 / 30
				3.8 / 5	18.0 / 20.8	27.6 / 31.1	30 / 35
				5.6 / 7.5	27.0 / 31.3	38.9 / 44.3	40 / 45
				7.5 / 10	36.1 / 41.7	50.3 / 57.3	60 / 60
				11.3 / 15	54.1 / 62.5	72.8 / 83.3	80 / 90
36	208/230-1-60	187	253	- / -	- / -	27.4 / 27.4	40 / 40
				3.8 / 5	18.0 / 20.8	30.0 / 33.5	40 / 40
				5.6 / 7.5	27.0 / 31.3	41.3 / 46.6	45 / 50
				7.5 / 10	36.1 / 41.7	52.6 / 59.6	60 / 60
				11.3 / 15	54.1 / 62.5	75.1 / 85.6	80 / 90
				15.0 / 20.0	72.1 / 83.3	97.6 / 111.6	100 / 125
42	208/230-1-60	187	253	- / -	- / -	29.8 / 29.8	40 / 40
				3.8 / 5	18.0 / 20.8	30.0 / 33.5	40 / 40
				5.6 / 7.5	27.0 / 31.3	41.3 / 46.6	45 / 50
				7.5 / 10	36.1 / 41.7	52.6 / 59.6	60 / 60
				11.3 / 15	54.1 / 62.5	75.1 / 85.6	80 / 90
				15.0 / 20.0	72.1 / 83.3	97.6 / 111.6	100 / 125
48	208/230-1-60	187	253	- / -	- / -	35.9 / 35.9	50 / 50
				3.8 / 5	18.1 / 20.8	35.9 / 35.9	50 / 50
				5.6 / 7.5	27.1 / 31.3	43.3 / 48.6	50 / 50
				7.5 / 10	36.1 / 41.7	54.6 / 61.6	60 / 70
				11.3 / 15	54.2 / 62.5	77.1 / 87.6	80 / 90
				15.0 / 20.0	72.2 / 83.3	99.6 / 113.6	100 / 125
60	208/230-1-60	187	253	- / -	- / -	40.7 / 40.7	60 / 60
				3.8 / 5	18.0 / 20.8	40.7 / 40.7	60 / 60
				5.6 / 7.5	27.0 / 31.3	43.3 / 48.6	60 / 60
				7.5 / 10	36.1 / 41.7	54.6 / 61.6	60 / 70
				11.3 / 15	54.1 / 62.5	77.1 / 87.6	80 / 90
				15.0 / 20.0	72.1 / 83.3	99.6 / 113.6	100 / 125

PERFORMANCE DATA

Cooling Capacities

PAT324

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES □F (□C)																	
		75 (24)			85 (29)			95 (35)			105 (41)			115 (46)			125 (52)		
CFM / BF	EWB □F (□C)	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	
700 / 0.08	57 (14)	19.86	19.86	1.7	19.13	19.13	1.9	18.37	18.37	2.1	17.54	17.54	2.3	16.62	16.62	2.5	15.81	15.81	2.8
	62 (17)	20.44	20.44	1.7	19.51	19.51	1.9	18.57	18.57	2.1	17.57	17.57	2.3	16.62	16.62	2.5	15.67	15.67	2.8
	63 (17)	20.88	16.50	1.7	19.93	16.14	1.9	18.96	15.74	2.1	17.90	15.22	2.3	16.73	14.56	2.5	15.69	14.07	2.8
	67 (19)	22.63	17.20	1.7	21.56	16.82	1.9	20.54	16.23	2.1	19.45	15.75	2.3	18.27	15.35	2.6	17.18	14.88	2.8
	72 (22)	24.74	13.85	1.7	23.91	13.63	1.9	22.83	13.01	2.1	21.68	12.57	2.4	20.41	12.04	2.6	19.33	11.59	2.9
800 / 0.10	57 (14)	20.72	20.72	1.8	19.94	19.94	2.0	19.14	19.14	2.2	18.28	18.28	2.4	17.33	17.33	2.6	16.48	16.48	2.9
	62 (17)	20.96	20.96	1.8	20.01	19.81	2.0	19.14	19.14	2.2	18.27	18.27	2.4	17.33	17.33	2.6	16.42	16.16	2.9
	63 (17)	21.41	17.77	1.8	20.41	17.35	2.0	19.39	16.87	2.2	18.30	16.29	2.4	17.10	15.73	2.6	16.02	15.22	2.9
	67 (19)	23.18	18.54	1.8	22.12	17.92	2.0	23.00	17.43	2.2	19.88	16.90	2.4	18.66	16.42	2.6	17.53	15.89	2.9
	72 (22)	25.18	14.60	1.8	24.43	14.17	2.0	23.36	13.78	2.2	22.19	13.31	2.4	20.85	12.93	2.7	19.77	12.51	2.9
900 / 0.11	57 (14)	21.48	21.48	1.8	20.64	20.64	2.0	19.80	19.80	2.2	18.90	18.90	2.5	17.92	17.92	2.7	17.03	17.03	3.0
	62 (17)	21.55	21.55	1.8	20.64	20.64	2.0	19.80	19.80	2.2	18.90	18.90	2.5	17.92	17.92	2.7	17.01	17.01	3.0
	63 (17)	21.85	17.26	1.8	20.78	16.83	2.0	19.73	16.38	2.2	18.61	15.82	2.5	17.38	15.29	2.7	16.26	14.80	3.0
	67 (19)	23.59	17.93	1.9	22.54	17.58	2.0	21.36	17.09	2.3	20.20	16.56	2.5	18.95	16.11	2.7	17.79	15.65	3.0
	72 (22)	24.18	12.33	1.9	24.80	13.64	2.1	23.77	13.31	2.3	22.58	12.87	2.5	21.24	12.32	2.8	20.51	12.32	3.0

PAT330

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																	
		75 (24)			85 (29)			95 (35)			105 (41)			115 (46)			125 (52)		
CFM / BF	EWB °F (°C)	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	
875 / 0.08	57 (14)	26.73	26.73	2.1	25.73	25.73	2.3	24.73	24.73	2.5	23.67	23.67	2.8	22.53	22.53	3.0	21.48	21.48	3.3
	62 (17)	27.76	25.54	2.1	26.46	24.87	2.3	25.21	24.20	2.5	23.89	23.65	2.8	22.53	22.53	3.0	21.22	21.78	3.3
	63 (17)	28.46	21.06	2.1	27.06	20.30	2.3	25.78	19.59	2.5	24.42	19.05	2.8	22.95	18.36	3.0	21.57	17.68	3.3
	67 (19)	30.79	21.86	2.1	29.39	21.16	2.3	28.01	20.45	2.6	26.53	19.90	2.8	25.02	19.27	3.1	23.58	18.62	3.3
	72 (22)	33.42	17.38	2.1	32.32	17.13	2.3	31.00	16.43	2.6	29.60	15.98	2.8	28.06	15.43	3.1	26.72	14.95	3.4
1000 / 0.09	57 (14)	27.84	27.84	2.2	26.76	26.76	2.4	25.72	25.72	2.6	24.62	24.62	2.8	23.42	23.42	3.1	22.32	22.32	3.4
	62 (17)	28.43	27.29	2.2	27.04	26.50	2.4	25.77	25.77	2.6	24.61	24.61	2.8	23.42	23.42	3.1	22.17	22.45	3.4
	63 (17)	29.08	22.10	2.2	27.58	21.51	2.4	26.24	20.99	2.6	24.85	20.38	2.8	23.34	19.61	3.1	21.91	18.98	3.4
	67 (19)	31.38	22.91	2.2	29.98	22.49	2.4	28.60	22.02	2.6	27.07	21.39	2.9	25.44	20.61	3.1	23.96	20.03	3.4
	72 (22)	33.81	17.92	2.2	32.79	17.71	2.4	31.51	17.33	2.6	30.08	16.84	2.9	28.59	16.30	3.2	27.29	15.89	3.5
1125 / 0.10	57 (14)	28.81	28.81	2.3	27.67	27.67	2.5	26.57	26.57	2.7	25.40	25.40	2.9	24.19	24.19	3.2	23.04	23.04	3.5
	62 (17)	28.98	28.98	2.3	27.67	27.67	2.5	26.56	26.56	2.7	25.40	25.40	2.9	24.18	24.18	3.2	22.98	22.98	3.5
	63 (17)	29.54	23.34	2.3	28.05	22.72	2.5	26.62	22.09	2.7	25.18	21.40	2.9	23.64	20.80	3.2	22.17	20.17	3.5
	67 (19)	31.80	24.17	2.3	30.42	23.73	2.5	28.97	23.18	2.7	27.45	22.51	3.0	25.78	21.91	3.2	24.28	21.35	3.5
	72 (22)	34.04	18.38	2.3	33.09	18.20	2.5	31.86	17.84	2.7	30.42	17.64	3.0	28.93	17.07	3.3	27.65	16.74	3.6

See Legend and Notes on page 11.

COOLING CAPACITIES (CONT)

PAT336

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																	
		75 (24)			85 (29)			95 (35)			105 (41)			115 (46)			125 (52)		
CFM / BF	EWB °F (°C)	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	
1050 / 0.07	57 (14)	32.66	32.66	2.6	31.63	31.63	2.9	30.54	30.54	3.2	29.41	29.41	3.5	28.22	28.22	3.9	27.11	27.11	4.3
	62 (17)	33.89	29.48	2.6	32.58	28.67	2.9	31.21	28.09	3.2	29.80	27.42	3.5	28.35	28.07	3.8	26.97	27.71	4.2
	63 (17)	34.61	23.88	2.6	33.26	23.28	2.9	31.87	22.63	3.2	30.41	22.20	3.5	28.89	21.38	3.8	27.46	20.75	4.2
	67 (19)	37.24	24.95	2.7	35.81	24.35	2.9	34.32	23.68	3.2	32.78	22.95	3.5	31.16	22.44	3.9	29.64	21.81	4.2
	72 (22)	40.89	20.04	2.6	39.35	19.68	2.9	37.74	18.87	3.2	36.07	18.40	3.5	34.33	17.85	3.9	32.69	17.31	4.2
1200 / 0.08	57 (14)	34.06	34.06	2.7	32.95	32.95	2.9	31.80	31.80	3.3	30.60	30.60	3.6	29.34	29.34	4.0	28.16	28.16	4.4
	62 (17)	34.68	31.56	2.7	33.33	30.66	3.0	31.94	31.62	3.2	30.60	30.60	3.5	29.33	29.33	3.9	27.99	28.77	4.2
	63 (17)	35.37	25.47	2.7	33.96	24.79	3.0	32.51	24.38	3.2	30.99	23.55	3.5	29.42	22.95	3.9	27.93	22.32	4.3
	67 (19)	38.04	26.25	2.7	36.55	25.95	3.0	35.00	25.20	3.3	33.39	24.71	3.6	31.71	23.78	3.9	30.13	23.17	4.3
	72 (22)	41.76	21.30	2.8	40.15	20.48	3.0	38.48	20.01	3.3	36.75	19.48	3.6	34.94	18.87	3.9	33.24	18.26	0.3
1350 / 0.10	57 (14)	35.24	35.24	2.7	34.08	34.08	3.0	32.87	32.87	3.4	31.61	31.61	3.7	30.28	30.28	4.1	29.04	29.04	4.5
	62 (17)	35.39	35.04	2.8	34.08	34.08	3.1	32.87	32.87	3.3	31.61	31.61	3.6	30.28	30.28	4.0	29.00	29.09	4.3
	63 (17)	35.96	26.97	2.8	34.51	26.23	3.1	33.00	25.74	3.3	31.45	25.16	3.6	29.83	24.46	3.9	28.30	23.83	4.3
	67 (19)	38.66	27.84	2.8	37.12	27.47	3.1	35.52	26.64	3.4	33.86	26.07	3.7	32.14	25.39	4.0	30.51	24.78	4.3
	72 (22)	42.44	22.07	2.8	40.78	21.61	3.1	39.06	21.09	3.4	37.27	20.50	3.7	35.41	19.83	4.0	33.65	19.27	4.4

PAT342

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																	
		75 (24)			85 (29)			95 (35)			105 (41)			115 (46)			125 (52)		
CFM / BF	EWB °F (°C)	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	
1225 / 0.11	57 (14)	37.90	37.90	3.0	36.10	36.10	3.4	35.10	35.10	3.7	32.80	32.80	4.1	31.30	31.30	4.5	28.00	28.00	5.0
	62 (17)	38.80	38.41	3.3	36.70	37.43	3.4	35.90	35.90	3.7	33.90	33.56	4.0	32.20	32.20	4.3	28.60	28.50	4.9
	63 (17)	40.20	28.94	3.3	38.50	31.19	3.4	36.70	27.53	3.7	34.30	26.41	4.0	32.30	25.52	4.3	27.40	24.70	4.9
	67 (19)	40.90	29.04	3.2	40.10	31.28	3.4	39.30	28.30	3.7	36.80	27.23	4.0	34.80	26.45	4.4	31.30	25.10	4.8
	72 (22)	43.70	22.29	3.6	42.70	24.34	3.6	42.20	22.37	3.7	39.30	21.22	4.0	36.00	19.08	4.3	33.00	19.50	5.1
1400 / 0.12	57 (14)	37.70	37.70	3.1	37.20	37.20	3.4	36.60	36.60	3.8	34.80	34.80	4.0	33.90	33.90	4.6	28.20	28.20	4.7
	62 (17)	40.30	39.90	3.3	38.60	38.21	3.5	37.20	37.20	3.8	35.20	35.20	4.0	34.10	33.76	4.7	28.80	28.60	4.7
	63 (17)	39.60	30.10	3.3	39.00	30.03	3.5	37.40	29.55	3.8	34.90	28.27	4.0	33.40	28.72	4.4	27.60	24.90	4.7
	67 (19)	43.60	31.83	3.3	40.60	30.86	3.6	40.00	30.40	3.8	37.40	29.55	4.1	36.00	30.24	4.4	30.00	26.10	4.8
	72 (22)	43.90	23.27	3.3	43.60	23.98	3.5	42.40	23.32	3.8	39.70	22.23	4.1	39.90	22.74	4.5	32.90	19.40	5.1
1575 / 0.14	57 (14)	37.60	37.60	3.4	37.40	37.40	3.6	37.00	37.00	3.8	33.90	33.90	4.1	32.10	32.10	4.8	29.00	29.00	4.9
	62 (17)	40.10	38.10	3.4	39.80	39.40	3.6	38.10	37.72	3.8	34.10	33.76	4.1	32.70	32.37	4.8	29.70	29.50	4.9
	63 (17)	40.20	31.36	3.5	39.60	32.08	3.6	36.50	30.66	3.8	33.40	28.72	4.1	32.70	29.80	4.8	27.90	27.20	4.8
	67 (19)	42.50	32.73	3.4	42.20	33.34	3.6	40.50	32.81	3.9	36.00	30.24	4.1	32.70	30.03	4.8	30.60	28.00	4.8
	72 (22)	44.70	24.59	3.4	44.60	25.42	3.6	42.80	24.82	3.9	39.90	22.74	4.2	36.60	22.33	4.9	32.80	18.10	4.9

See Legend and Notes on page 11.

COOLING CAPACITIES (CONT)

PAT348

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																	
		75 (24)			85 (29)			95 (35)			105 (41)			115 (46)			125 (52)		
CFM / BF	EWB °F (°C)	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	
1400 / 0.07	57 (14)	43.90	43.90	3.05	42.26	42.26	3.52	40.57	40.57	4.04	38.82	38.82	4.64	37.02	37.02	5.30	35.17	35.17	6.04
	62 (17)	45.10	43.19	3.06	43.11	41.55	3.53	41.07	39.90	4.05	39.01	38.22	4.64	37.02	37.02	5.30	35.17	35.17	6.04
	63 (17)	46.00	35.30	3.07	43.94	33.84	3.54	41.83	32.37	4.06	39.67	30.92	4.65	37.45	29.46	5.31	35.17	28.02	6.03
	67 (19)	49.52	36.49	3.11	47.34	35.02	3.58	45.11	33.55	4.11	42.81	32.08	4.71	40.47	30.62	5.38	38.06	29.16	6.11
	72 (22)	54.55	29.74	3.16	52.19	28.41	3.64	49.78	27.08	4.18	47.31	25.76	4.79	44.78	24.46	5.46	42.20	23.16	6.21
1600 / 0.08	57 (14)	45.87	45.87	3.12	44.13	44.13	3.59	42.33	42.33	4.13	40.47	40.47	4.73	38.57	38.57	5.40	36.61	36.61	6.14
	62 (17)	46.26	46.57	3.12	44.23	43.93	3.59	42.32	42.32	4.13	40.47	40.47	4.73	38.57	38.57	5.40	36.60	36.60	6.14
	63 (17)	47.01	37.73	3.13	44.87	36.20	3.60	42.68	34.68	4.13	40.43	33.15	4.72	38.14	31.64	5.39	35.79	30.13	6.11
	67 (19)	50.59	39.08	3.17	48.32	37.54	3.65	46.00	36.00	4.18	43.62	34.47	4.78	41.19	32.94	5.45	38.71	31.42	6.19
	72 (22)	55.71	31.39	3.22	53.26	30.01	3.71	50.75	28.64	4.25	48.18	27.28	4.86	45.56	25.92	5.54	42.88	24.58	6.29
1800 / 0.09	57 (14)	47.54	47.54	3.19	45.70	45.70	3.66	43.81	43.81	4.20	41.86	41.86	4.81	39.86	39.86	5.48	37.80	37.80	6.23
	62 (17)	47.54	47.54	3.19	45.70	45.70	3.66	43.81	43.81	4.20	41.86	41.86	4.81	39.86	39.86	5.48	37.80	37.80	6.23
	63 (17)	47.79	40.09	3.19	45.59	38.50	3.66	43.33	36.91	4.19	41.03	35.32	4.79	38.67	33.73	5.46	36.27	32.15	6.19
	67 (19)	51.42	41.59	3.23	49.08	39.99	3.71	46.69	38.38	4.25	44.25	36.78	4.85	41.75	35.19	5.52	39.22	33.60	6.27
	72 (22)	56.60	32.98	3.28	54.07	31.56	3.77	51.48	30.15	4.31	48.84	28.75	4.93	46.14	27.35	5.61	43.39	25.97	6.36

PAT360 High Capacity

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																	
		75 (24)			85 (29)			95 (35)			105 (41)			115 (46)			125 (52)		
CFM / BF	EWB °F (°C)	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	
1750 / 0.07	57 (14)	51.50	48.93	4.30	49.70	47.22	4.70	47.80	45.41	5.20	45.80	43.51	5.70	43.80	41.61	6.30	41.60	39.50	6.90
	62 (17)	52.10	47.93	4.30	49.90	46.91	4.70	47.80	45.41	5.20	45.90	43.61	5.70	43.80	41.61	6.30	41.70	39.60	6.90
	63 (17)	52.80	38.54	4.30	50.50	37.37	4.70	48.10	36.56	5.20	45.80	35.72	5.70	43.40	34.72	6.30	40.80	33.50	6.90
	67 (19)	56.70	40.26	4.40	54.10	38.95	4.80	51.50	38.11	5.30	49.00	37.24	5.80	46.30	36.11	6.30	43.60	35.00	6.90
	72 (22)	62.00	31.62	4.50	59.20	30.78	4.90	56.30	29.84	5.40	53.50	28.89	5.90	50.40	27.72	6.40	47.90	26.80	7.10
1875 / 0.08	57 (14)	52.70	50.07	4.40	50.70	48.17	4.80	48.70	46.27	5.30	46.70	44.37	5.80	44.60	42.37	6.40	42.40	40.20	7.00
	62 (17)	52.80	49.63	4.40	50.80	48.26	4.80	48.80	46.36	5.30	46.80	44.46	5.80	44.70	42.47	6.40	42.40	40.30	7.00
	63 (17)	53.40	40.05	4.40	51.00	38.76	4.80	48.60	37.91	5.30	46.20	36.96	5.80	43.70	35.83	6.40	41.20	34.90	7.00
	67 (19)	57.20	41.76	4.50	54.60	40.40	4.90	52.00	39.52	5.40	49.40	38.53	5.90	46.70	37.36	6.50	44.00	36.50	7.00
	72 (22)	62.60	32.55	4.60	59.70	31.64	5.00	56.80	30.67	5.50	53.90	29.65	6.00	50.60	28.34	6.50	48.10	27.70	7.10
2000 / 0.09	57 (14)	55.50	52.73	4.50	53.30	52.73	5.00	51.20	48.64	5.40	48.90	46.46	5.90	46.60	44.27	6.50	44.20	42.00	7.10
	62 (17)	55.50	52.73	4.50	53.40	52.73	5.00	51.20	48.64	5.40	49.00	46.55	5.90	46.70	44.37	6.50	44.30	42.00	7.10
	63 (17)	54.80	43.84	4.50	52.20	43.84	4.90	49.70	41.75	5.40	47.20	41.06	5.90	44.70	39.78	6.50	42.00	38.70	7.10
	67 (19)	58.60	45.71	4.60	55.90	45.71	5.00	53.10	44.07	5.50	50.40	42.84	6.00	47.60	41.89	6.50	44.70	40.60	7.10
	72 (22)	64.00	35.20	4.70	60.90	35.20	5.10	57.90	33.58	5.60	54.80	32.33	6.10	51.40	31.35	6.60	48.40	30.30	7.20

See Legend and Notes on page 11.

COOLING CAPACITIES (CONT)

PAT360 Low Capacity

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																	
		75 (24)			85 (29)			95 (35)			105 (41)			115 (46)			125 (52)		
CFM / BF	EWB °F (°C)	Capacity MBtuh Total	Capacity MBtuh Sens	Total System KW	Capacity MBtuh Total	Capacity MBtuh Sens	Total System KW	Capacity MBtuh Total	Capacity MBtuh Sens	Total System KW	Capacity MBtuh Total	Capacity MBtuh Sens	Total System KW	Capacity MBtuh Total	Capacity MBtuh Sens	Total System KW	Capacity MBtuh Total	Capacity MBtuh Sens	Total System KW
1150 / 0.05	57 (14)	34.10	33.90	2.70	33.10	32.80	3.00	32.00	31.70	3.30	30.90	30.60	3.70	29.80	29.50	4.10	28.70	28.50	4.50
	62 (17)	35.10	32.30	2.60	33.80	31.70	2.90	32.40	31.00	3.20	31.10	30.40	3.60	29.80	29.60	4.00	28.70	28.50	4.50
	63 (17)	35.80	25.90	2.60	34.40	25.30	2.90	33.00	24.70	3.20	31.60	24.10	3.60	30.20	23.50	4.00	28.90	22.90	4.50
	67 (19)	38.70	27.00	2.60	37.20	26.40	2.90	35.70	25.80	3.20	34.20	25.20	3.60	32.70	24.60	4.00	31.10	24.00	4.50
	72 (22)	42.60	21.60	2.60	41.00	21.00	2.90	39.40	20.40	3.20	37.70	19.80	3.60	36.20	19.30	4.00	35.10	18.90	4.50
1300 / 0.06	57 (14)	35.70	35.40	2.70	34.50	34.30	3.00	33.40	33.10	3.30	32.20	31.90	3.70	31.00	30.80	4.10	29.90	29.60	4.60
	62 (17)	36.10	34.80	2.70	34.70	34.10	3.00	33.40	33.10	3.30	32.20	32.00	3.70	31.10	30.80	4.10	29.90	29.70	4.60
	63 (17)	36.60	27.70	2.70	35.20	27.10	3.00	33.70	26.50	3.30	32.30	25.80	3.70	30.80	25.20	4.10	29.40	24.60	4.50
	67 (19)	39.50	28.90	2.70	38.00	28.30	3.00	36.40	27.70	3.30	34.80	27.00	3.70	33.30	26.40	4.10	31.80	25.80	4.60
	72 (22)	43.40	22.80	2.70	41.70	22.20	3.00	40.10	21.60	3.30	38.10	20.90	3.70	36.70	20.40	4.10	35.30	19.90	4.60
1500 / 0.07	57 (14)	37.40	37.10	2.70	36.20	35.90	3.00	34.90	34.60	3.30	33.70	33.40	3.70	32.40	32.10	4.10	31.00	30.70	4.60
	62 (17)	37.50	37.20	2.80	36.20	36.00	3.10	35.00	34.70	3.40	33.70	33.70	3.70	32.40	32.20	4.20	31.40	31.20	4.60
	63 (17)	37.50	30.00	2.80	36.00	29.40	3.10	34.50	28.70	3.40	33.00	28.10	3.70	31.50	27.50	4.20	30.00	26.90	4.60
	67 (19)	40.40	31.40	2.80	38.80	30.80	3.10	37.20	30.10	3.40	35.50	29.50	3.80	33.90	28.80	4.20	32.10	28.10	4.60
	72 (22)	44.20	24.30	2.80	42.50	23.70	3.10	40.70	23.10	3.40	39.10	22.60	3.80	37.10	21.80	4.20	35.10	21.20	4.70

LEGEND
BF — Bypass Factor
Ewb — Entering Wet–Bulb
kW — Total Unit Power Input
SHC — Sensible Heat Capacity (1000 Btuh)
TC — Total Capacity (1000 Btuh) (net)
NOTES:
1. Direct interpolation is permissible. Do not extrapolate.
2. The following formulas may be used:

$$^{t}ldb = {}^{t}edb - \frac{\text{Sensible capacity (Btuh)}}{1.10 \times \text{cfm}}$$

$$^{t}lwb = \text{Wet-bulb temperature corresponding to enthalpy air leaving evaporator coil } (^{h}lwb)$$

$$^{h}lwb = {}^{h}ewb - \frac{\text{total capacity (Btuh)}}{4.5 \times \text{cfm}}$$

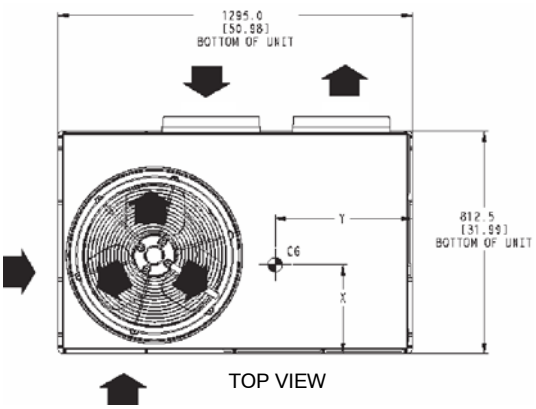
Where: ^{h}ewb = Enthalpy of air entering evaporator coil3. The SHC is based on 80° F (26.7°C) edb temperature of air entering indoor coil.
Below 80° F (26.7°C) edb, subtract (corr factor x cfm) from SHC.
Above 80° F (26.7°C) edb, add (corr factor x cfm) to SHC.
Correction Factor = 1.10 x (1 – BF) x (edb – 80).

ELECTRIC HEATER USAGE CHART 208/230-1-60

Electric Heater Model Number	Nominal Capacity (kW) 208 / 230	Cicuit Breaker	Stages	Used With Model Sizes					
				24	30	36	42	48	60
EHTA05K0N	3.8 / 5.0	No	1	✓	✓	✓	✓	✓	✓
EHTA05K0B	3.8 / 5.0	Yes	1	✓	✓	✓	✓	✓	✓
EHTA07K0N	5.6 / 7.5	No	2	✓	✓	✓	✓	✓	✓
EHTA07K0B	5.6 / 7.5	Yes	2	✓	✓	✓	✓	✓	✓
EHTA10K0N	7.5 / 10.0	No	2	✓	✓	✓	✓		
EHTA10K0B	7.5 / 10.0	Yes	1	✓	✓	✓	✓	✓	✓
EHTA15K0B	11.3 / 15.0	Yes	2		✓	✓	✓	✓	✓
EHTA20K0B	15.0 / 20.0	Yes	2			✓	✓	✓	✓

UNIT DIMENSIONS

Model Size	UNIT HEIGHT inches [mm]	CENTER OF GRAVITY inches [mm]		
	A	X	Y	Z
24	30.13 [765]	14.0 [356]	19.0 [483]	15 [381]
30	34.13 [867]	14.0 [356]	19.0 [483]	16 [406]
36	42.13 [1070]	14.0 [356]	19.0 [483]	19.8 [503]
42	42.13 [1070]	14.0 [356]	19.0 [483]	21.9 [556]
48	42.13 [1070]	14.0 [356]	19.0 [483]	19.8 [503]
60	42.13 [1070]TOP	14.0 [356]	19.0 [483]	21.9 [556]



TOP VIEW

REQUIRED CLEARANCES TO COMBUSTIBLE MATL.

	MILLIMETERS [IN]
TOP OF UNIT	0
BOTTOM OF UNIT	0
SIDE OF UNIT WITH DUCT OPENINGS	0
SIDE OF UNIT OPPOSITE DUCT OPENINGS	0

NEC. REQUIRED CLEARANCES.

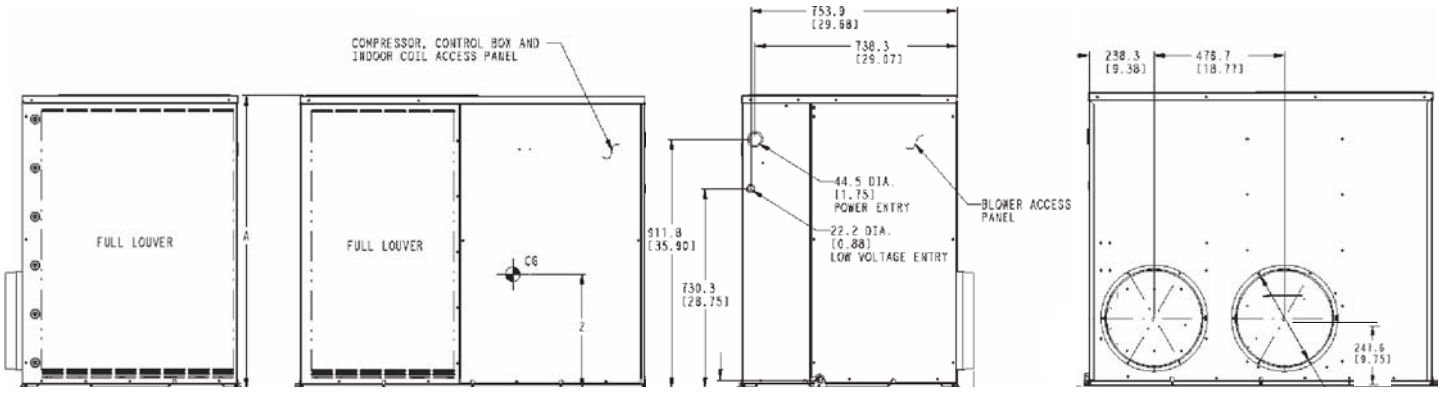
	MILLIMETERS [IN]
BETWEEN UNITS, POWER ENTRY SIDE	1066.8 [42.00]
UNIT AND UNGROUNDED SURFACES, POWER ENTRY SIDE	914.0 [36.00]
UNIT AND BLOCK OR CONCRETE WALLS AND OTHER GROUNDED SURFACES, POWER ENTRY SIDE	1066.8 [42.00]

REQUIRED CLEARANCE FOR SERVICING

	MILLIMETERS [IN]
TOP OF UNIT	914.0 [36.00]
SIDE OF UNIT OPPOSITE DUCT OPENINGS	762.0 [30.00]
SIDE OF UNIT WITH POWER ENTRY (EXCEPT FOR NEC REQUIREMENTS)	762.0 [30.00]

NOTE: CLEARANCES MUST BE MAINTAINED TO PREVENT RECIRCULATION OF AIR FROM OUTDOOR FAN DISCHARGE. A REMOVABLE FENCE OR BARRICADE REQUIRES NO CLEARANCE.

DIMENSIONS IN [] ARE IN INCHES



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

GUIDE SPECIFICATIONS

CABINET

Unit cabinet shall be constructed of phosphated, zinc-coated, pre-painted steel capable of with-standing 500 hours in salt spray.
Normal service shall be through a single removable cabinet panel.
The unit shall be constructed on a rust proof unit base that has an externally trapped, integrated sloped drain.
Evaporator fan compartment top surface shall be insulated with a minimum ½" thick, flexible fiberglass insulation, coated on the air side and retained by adhesive and mechanical means. The evaporator wall sections will be insulated with a minimum semi-rigid foil-faced board capable of being wiped clean. Aluminum foil-faced fiberglass insulation shall be used in the entire indoor air cavity section.

COOLING SECTION

The unit is factory charged and operationally ready upon delivery. The unit refrigerant circuit has a high efficiency scroll compressor with internal overload protection, and copper tube / aluminum fin evaporator and condenser coils. The unit is designed for cooling operation to 40˚ F and will be capable of being wired for field installed economizer type accessories.

COILS

The evaporator and condenser coils are fabricated with aluminum fins mechanically bonded to copper tubing. Both coils are pressure tested prior to assembly into the unit and electronically leak tested after assembly into the unit.

CONDENSER FAN

The unit has a single direct-drive propeller-fan / motor assembly. The assembly is mounted directly to a vertical-discharge grille that is easily removed for service. Motors have sleeve or ball bearings and internal overload protection.

EVAPORATOR BLOWER

All units have a direct-drive PSC evaporator blower motor. The direct-drive evaporator blower motor has sleeve bearings and internal overload protection.

MODEL NUMBER IDENTIFICATION GUIDE

Product Family	SEER	Nominal Cooling Capacity BTU/h	Voltage	Option Code	Design Code	Eng. Rev. Code
PAT - Package Air Conditioner	3 = 13	24 = 24,000 30 = 30,000 36 = 36,000 42 = 42,000 48 = 48,000 60 = 60,000	K = 208/230-1-60	00 = Standard	A	1
Example: PAT	3	24	K	00	A	1