



PAN3

Product Specifications

13 SEER PACKAGE AIR CONDITIONER, 2 - 5 TONS

Single Phase, 208/230 V, 60 Hz

REFRIGERATION CIRCUIT

- R-22 refrigerant
- Copper tube/aluminum fin condenser and evaporator coils
- Scroll compressors standard on all models

EASY TO INSTALL AND SERVICE

- Installs easily on a rooftop or at ground level
- Easy single-panel accessibility for maintenance and installation
- Easily converts to down discharge applications with duct covers provided

BUILT TO LAST

- Wire grille
- Pre-painted steel cabinet
- Direct drive multi-speed PSC blower motor on all models
- Vertical condenser fan discharge
- Rust-proof base with integral sloping drain

LIMITED WARRANTY

- 5-year parts limited warranty (including compressor and coils)



UNIT PERFORMANCE DATA

Model Number	COOLING		Voltage - Phase - Hz	Unit Dimensions Height x Width x Depth	Operating Weight (lb)
	Nominal Capacity BTU/h	S.E.E.R			
PAN324000K00A	22,600	13.0	208/230-1-60	37 X 48 X 33	318
PAN330000K00A	28,000	13.2	208/230-1-60	39 X 48 X 33	330
PAN336000K00A	35,000	13.2	208/230-1-60	41 X 48 X 33	335
PAN342000K00A	40,000	13.0	208/230-1-60	41 X 48 X 44	412
PAN348000K00A	47,000	13.2	208/230-1-60	47 X 48 X 44	442
PAN360000K00A	57,500	13.2	208/230-1-60	47 X 48 X 44	446

UNIT SPECIFICATIONS

MODEL NUMBER	Electrical Data			Condenser									Sound Ratings (dBA)
				Coil			Fan Motor			Fan			
	208 / 230 Voltage Phase - Hz	HACR Brkr Max Fuse	Minimum Circuit Ampacity	Total Face Area (Sq. Ft.)	Fins Per In. / Rows	Tube Diameter (In.)	HP	Full Load Amps	Locked Rotor Amps	Size Diameter (In.)	RPM (Max.)	CFM (Design)	
PAN324000K00A	1-60	25 amps.	15.9	10.2	21 / 2	3/8	1/8	0.9	1.6	22	825	2200	72
PAN330000K00A	1-60	30 amps.	20.5	11.9	21 / 2	3/8	1/8	0.9	1.6	22	825	2800	72
PAN336000K00A	1-60	35 amps.	23.0	13.6	21 / 2	3/8	1/8	0.9	1.7	22	825	3000	72
PAN342000K00A	1-60	40 amps.	28.0	19.4	21 / 2	3/8	1/8	0.9	1.7	22	825	3500	73
PAN348000K00A	1-60	40 amps.	29.6	19.4	21 / 2	3/8	1/4	1.5	3.2	22	1100	3500	78
PAN360000K00A	1-60	60 amps.	39.3	19.4	21 / 2	3/8	1/4	1.5	3.2	22	1100	4200	78

MODEL NUMBER	Evaporator								Scroll Compressor		Factory Refrigerant Charge R-22 (lbs.)	Ship Weight (Lbs.)
	Coil			Motor		Blower			Rated Load Amps	Locked Rotor Amps		
	Total Face Area (Sq. Ft.)	Fins Per In. / Rows	Tube Diam. (In.)	Horse Power	Full Load Amps	Size	RPM (Max)	CFM Rated				
PAN324000K00A	3.7	17 / 3	3/8	1/3	2.0	10 x 10	1050	800	10.4	54.0	5.9	358
PAN330000K00A	3.7	17 / 3	3/8	1/3	2.0	10 x 10	1050	1000	14.1	68.0	6.0	370
PAN336000K00A	3.7	17 / 4	3/8	1/2	4.1	10 x 10	1000	1200	14.4	77.0	7.2	375
PAN342000K00A	4.7	17 / 3	3/8	1/2	3.1	11 x 10	1075	1400	19.2	141.0	7.8	472
PAN348000K00A	5.7	17 / 3	3/8	1/2	4.1	11 x 10	1075	1600	19.2	97.0	12.4	502
PAN360000K00A	5.7	17 / 4	3/8	1.0	6.2	11 x 10	1040	1750	25.3	141.0	12.0	506

UNIT PERFORMANCE DATA (230V - 1 Phase - 60 Hz)

Model Number	COOLING			
	Rated Capacity (BTU/h)	S.E.E.R.	E.E.R.	S/T Ratio
PAN324000K00A	22,600	13.0	11.3	77.4
PAN330000K00A	28,000	13.2	11.3	82.1
PAN336000K00A	35,000	13.2	11.3	80.0
PAN342000K00A	40,000	13.0	11.0	78.0
PAN348000K00A	47,000	13.2	11.3	80.9
PAN360000K00A	57,500	13.2	11.3	76.2

UNIT AIRFLOW, Horizontal and Downflow Discharge, 230 Volts (Deduct 10% for 208 Volts), Dry Coil²

Unit	Motor Speed		External Static Pressure (in. wc)								
			0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
PAN324	Low ¹	Watts	311	309	304	301	286	290	286	280	-----
		CFM	935	885	820	757	686	583	423	263	-----
	Medium	Watts	411	405	398	390	379	357	357	345	327
		CFM	1195	1155	1100	1028	957	868	769	647	365
	High	Watts	528	518	509	492	477	447	447	435	421
		CFM	1484	1421	1368	1279	1185	1088	970	853	712
PAN330	Low	Watts	311	309	304	301	286	290	286	280	-----
		CFM	935	885	820	757	686	583	423	263	-----
	Medium ¹	Watts	411	405	398	390	379	357	357	345	327
		CFM	1195	1155	1100	1028	957	868	769	647	365
	High	Watts	528	518	509	492	477	447	447	435	421
		CFM	1484	1421	1368	1279	1185	1088	970	853	712
PAN336	Low	Watts	439	429	415	401	395	380	356	339	329
		CFM	1242	1170	1089	994	917	837	702	570	442
	Medium ¹	Watts	503	491	479	461	450	436	418	404	389
		CFM	1320	1244	1162	1081	1005	897	767	662	541
	High	Watts	641	627	623	609	601	588	571	559	548
		CFM	1362	1268	1205	1119	1033	933	826	714	580
PAN342	Low	Watts	434	428	422	403	404	390	375	360	344
		CFM	1282	1241	1206	1160	1109	1040	967	890	813
	Medium ¹	Watts	560	548	535	526	511	496	478	460	439
		CFM	1526	1482	1437	1398	1344	1281	1205	1125	1029
	High	Watts	765	746	730	709	690	664	642	624	600
		CFM	1860	1805	1751	1685	1620	1541	1468	1370	1265
PAN348	Low	Watts	627	617	607	584	567	548	528	503	480
		CFM	1550	1530	1493	1461	1414	1361	1320	1250	1177
	Medium ¹	Watts	771	755	734	711	690	665	639	607	572
		CFM	1798	1771	1734	1687	1645	1595	1530	1449	1355
	High	Watts	969	941	908	887	858	827	804	767	748
		CFM	2124	2071	2000	1944	1876	1811	1735	1647	1555
PAN360	Low ¹	Watts	786	769	754	736	722	705	684	658	616
		CFM	2027	1960	1901	1821	1759	1693	1616	1513	1354
	Medium	Watts	873	849	833	815	798	782	763	748	704
		CFM	2095	2026	1962	1887	1817	1748	1679	1583	1439
	High	Watts	1012	993	981	963	948	927	904	886	846
		CFM	2184	2109	2036	1963	1886	1812	1729	1647	1496

¹ Factory—shipped heating/cooling speed

² Air delivery values are without air filter and are for dry coil (see Wet Coil Pressure Drop table).

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

ELECTRIC HEATER USAGE CHART

Electric Heater Model Number	Nominal Capacity (kW)	Fuses	Used With Model Sizes					
			24	30	36	42	48	60
ELECTRIC HEATERS (208 / 230 — SINGLE PHASE — 60 Hz)								
EHNA05K0N	5.0	0	✓	✓	✓	✓	✓	✓
EHNA07K0N	7.2	0	✓	✓	✓	✓	✓	✓
EHNA10K0N	10.0	0	✓	✓	✓	✓	✓	✓
EHNA15K4F	15.0	4		✓	✓	✓	✓	✓
EHNA20K4F	20.0	4				✓	✓	✓

ELECTRIC HEATER ELECTRICAL DATA

MODEL SIZE	NOMINAL V-PH-HZ	VOLTAGE RANGE		ELECTRIC HEAT (208V / 230V)		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	-/-	-/-	15.9/15.9	25/25
				3.8/5	18.1/20.8	25.1/28.5	30/30
				5.4/7.2	25.9/30	34.9/40.0	35/40
				7.5/10	36.1/41.7	47.6/54.6	50/60
				-/-	-/-	20.5/20.5	30/30
30	208/230-1-60	187	253	3.8/5	18.1/20.8	25.1/28.5	30/30
				5.4/7.2	25.9/30	34.9/40.0	35/40
				7.5/10	36.1/41.7	47.6/54.6	50/60
				11.3/15	54.2/62.5	70.3/80.6	80/90
				-/-	-/-	23.0/23.0	35/35
36	208/230-1-60	187	253	3.8/5	18.1/20.8	27.8/31.1	35/35
				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
				11.3/15	54.2/62.5	72.9/83.3	80/90
				-/-	-/-	28.0/28.0	40/40
42	208/230-1-60	187	253	3.8/5	18.1/20.8	28.0/29.9	40/40
				5.4/7.2	25.9/30	36.3/41.4	40/45
				7.5/10	36.1/41.7	49.0/56.0	50/60
				11.3/15	54.2/62.5	71.6/82.0	80/90
				15/20	72.2/83.3	94.1/108.0	100/110
48	208/230-1-60	187	253	-/-	-/-	29.6/29.6	40/40
				3.8/5	18.1/20.8	29.6/31.1	40/40
				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
				11.3/15	54.2/62.5	72.9/83.3	80/90
60	208/230-1-60	187	253	15/20	72.2/83.3	95.4/109.3	100/110
				-/-	-/-	39.3/39.3	60/60
				3.8/5	18.1/20.8	39.3/39.3	60/60
				5.4/7.2	25.9/30	40.1/45.3	60/60
				7.5/10	36.1/41.7	52.9/59.9	60/60
				11.3/15	54.2/62.5	75.5/85.9	80/90
				15/20	72.2/83.3	98.0/111.9	100/125

PAN348 COOLING PERFORMANCE

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F																	
CFM	EWB	75 (23°C)			85 (29°C)			95 (35°C)			105 (40°C)			115 (46°C)			125 (51°C)		
		Capacity MBtuh	Total Sys-tem KW		Capacity MBtuh	Total Sys-tem KW		Capacity MBtuh	Total Sys-tem KW		Capacity MBtuh	Total Sys-tem KW		Capacity MBtuh	Total Sys-tem KW		Capacity MBtuh	Total Sys-tem KW	
		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens	
1400	57	45.59	45.59	3.42	43.75	43.75	3.74	41.78	41.78	4.08	39.72	39.72	4.45	37.38	37.38	4.82	35.01	35.01	5.23
	62	46.49	44.34	3.44	44.24	43.18	3.75	41.91	41.56	4.09	39.71	39.71	4.45	37.37	37.37	4.82	35.01	35.01	5.23
	63	47.24	36.13	3.45	44.86	35.06	3.76	42.35	33.94	4.09	39.66	32.75	4.45	36.64	31.43	4.80	33.64	30.11	5.18
	67	51.15	37.51	3.51	48.75	36.51	3.83	46.16	35.43	4.17	43.37	34.29	4.53	40.42	33.09	4.92	37.09	31.74	5.30
	72	56.76	30.52	3.59	54.28	29.58	3.92	51.57	28.57	4.27	48.66	27.49	4.65	45.53	26.36	5.05	42.22	25.16	5.47
1600	57	47.55	47.55	3.54	45.61	45.61	3.86	43.58	43.58	4.21	41.39	41.39	4.58	39.01	39.01	4.96	36.42	36.42	5.37
	62	47.74	47.53	3.54	45.61	45.61	3.86	43.58	43.58	4.21	41.39	41.39	4.58	39.01	39.01	4.96	36.42	36.42	5.37
	63	48.15	38.55	3.55	45.70	37.46	3.86	43.13	36.33	4.19	40.37	35.12	4.55	37.30	33.75	4.90	34.24	32.35	5.29
	67	52.12	40.10	3.61	49.67	39.09	3.93	47.00	38.00	4.27	44.14	36.83	4.64	41.11	35.60	5.03	37.76	34.21	5.41
	72	57.81	32.16	3.69	55.26	31.21	4.02	52.47	30.20	4.37	49.46	29.11	4.75	46.23	27.96	5.16	42.81	26.75	5.58
1800	57	49.18	49.18	3.65	47.20	47.20	3.97	45.07	45.07	4.32	42.78	42.78	4.69	40.35	40.35	5.09	37.63	37.63	5.50
	62	49.17	49.17	3.65	47.19	47.19	3.97	45.06	45.06	4.32	42.78	42.78	4.69	40.35	40.35	5.09	37.63	37.63	5.50
	63	48.85	40.85	3.64	46.36	39.76	3.95	43.74	38.59	4.29	40.93	37.33	4.65	37.96	35.96	5.02	34.76	34.34	5.40
	67	52.89	42.59	3.70	50.36	41.56	4.02	47.64	40.44	4.37	44.73	39.25	4.74	41.66	37.96	5.13	38.31	36.50	5.52
	72	58.58	33.71	3.79	55.98	32.77	4.11	53.11	31.75	4.47	50.03	30.65	4.85	46.72	29.49	5.26	43.23	28.28	5.68

PAN360 COOLING PERFORMANCE

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F																	
CFM	EWB	75 (23°C)			85 (29°C)			95 (35°C)			105 (40°C)			115 (46°C)			125 (51°C)		
		Capacity MBtuh	Total Sys-tem KW		Capacity MBtuh	Total Sys-tem KW		Capacity MBtuh	Total Sys-tem KW		Capacity MBtuh	Total Sys-tem KW		Capacity MBtuh	Total Sys-tem KW		Capacity MBtuh	Total Sys-tem KW	
		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens	
1750	57	57.71	57.71	4.33	55.12	55.12	4.71	52.40	52.40	5.11	49.50	49.50	5.53	46.44	46.44	5.98	43.21	43.21	6.44
	62	58.61	52.35	4.35	55.47	50.84	4.72	52.40	52.40	5.11	49.50	49.50	5.53	46.44	46.44	5.98	43.21	43.21	6.44
	63	59.50	42.52	4.36	56.13	41.12	4.73	52.62	39.68	5.11	48.88	38.17	5.51	44.97	36.59	5.92	40.77	34.89	6.33
	67	64.63	44.23	4.45	61.18	42.90	4.83	57.50	41.50	5.23	53.62	40.04	5.64	49.55	38.51	6.07	45.30	36.93	6.52
	72	71.92	36.00	4.56	68.31	34.74	4.96	64.43	33.40	5.38	60.31	32.00	5.82	55.95	30.54	6.27	51.39	29.03	6.73
2000	57	60.30	60.30	4.48	57.58	57.58	4.86	54.70	54.70	5.27	51.65	51.65	5.70	48.42	48.42	6.15	45.02	45.02	6.62
	62	60.34	60.20	4.48	57.58	57.58	4.86	54.70	54.70	5.27	51.64	51.64	5.70	48.42	48.42	6.15	45.01	45.01	6.62
	63	60.71	45.49	4.48	57.24	44.08	4.85	53.63	42.61	5.24	49.80	41.06	5.64	45.80	39.42	6.06	41.69	37.65	6.49
	67	65.94	47.42	4.57	62.38	46.07	4.95	58.59	44.64	5.36	54.60	43.14	5.77	50.43	41.58	6.21	46.10	39.92	6.65
	72	73.32	38.01	4.68	69.58	36.74	5.09	65.56	35.39	5.51	61.30	33.97	5.94	56.79	32.49	6.40	52.09	30.97	6.86
2250	57	62.46	62.46	4.61	59.64	59.64	5.00	56.62	56.62	5.41	53.43	53.43	5.85	50.05	50.05	6.30	46.50	46.50	6.78
	62	62.45	62.45	4.61	59.64	59.64	5.00	56.62	56.62	5.41	53.42	53.42	5.85	50.05	50.05	6.30	46.50	46.50	6.78
	63	61.64	48.36	4.60	58.13	46.93	4.97	54.42	45.41	5.36	50.53	43.80	5.77	46.51	42.03	6.19	42.55	42.55	6.63
	67	66.95	50.50	4.69	63.30	49.12	5.07	59.43	47.67	5.48	55.37	46.13	5.90	51.15	44.49	6.34	46.83	42.67	6.79
72	74.35	39.95	4.80	70.52	38.67	5.21	66.39	37.31	5.63	62.02	35.88	6.07	57.40	34.39	6.52	52.59	32.85	6.99	

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

See Legend and Notes below.

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:

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

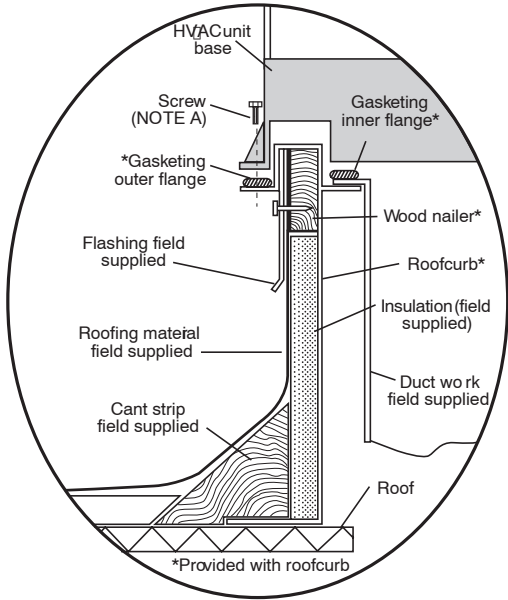
$$t_{lwb} = \text{Wet-bulb temperature corresponding to enthalpy air leaving evaporator coil } (h_{lwb}) \quad h_{lwb} = h_{ewb} - \frac{\text{total capacity (Btuh)}}{4.5 \times \text{cfm}}$$

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

4. The SHC is based on 80°F Edb temperature 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 = $1.10 \times (1 + BF) \times (Edb + 80)$.

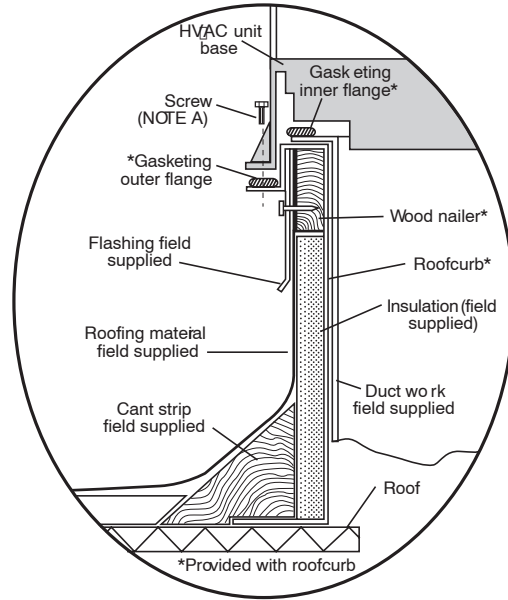
ACCESSORIES

ROOF CURBS



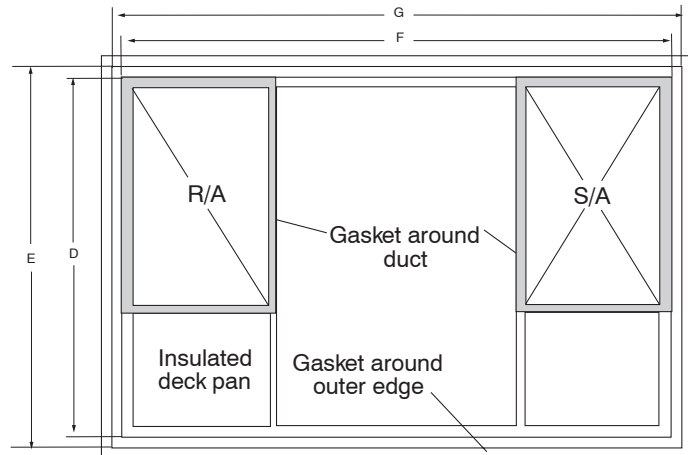
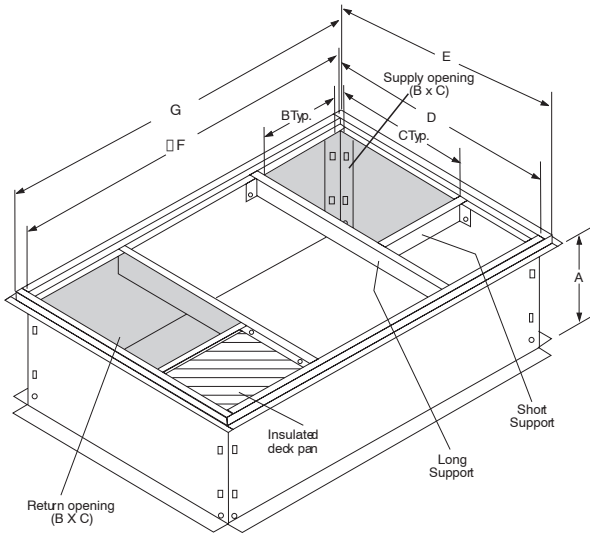
Roof Curb for Small Cabinet

Note A: When unit mounting screw is used, retainer bracket must also be used.



Roof Curb for Large Cabinet

Note A: When unit mounting screw is used, retainer bracket must also be used.



UNIT SIZE	MODEL NUMBER	A IN. [MM]	B IN. [MM]	C IN. [MM]	D IN. [MM]	E IN. [MM]	F IN. [MM]	G IN. [MM]
24, 30, 36	NPRFCURB006A00	8 [203]	11 [279]	16-1/2 [419]	28-3/4 [730]	30-3/8 [771]	44-5/16 [1126]	45-15/16 [1167]
	NPRFCURB007A00	14 [356]	11 [279]	16-1/2 [419]	28-3/4 [730]	30-3/8 [771]	44-5/16 [1126]	45-15/16 [1167]
42, 48, 60	NPRFCURB008A00	8 [203]	16-3/16 [411]	17-3/8 [441]	40-1/4 [1022]	41-15/16 [1065]	44-7/16 [1129]	46-1/16 [1169]
	NPRFCURB008A00	14 [356]	16-3/16 [411]	17-3/8 [441]	40-1/4 [1022]	41-15/16 [1065]	44-7/16 [1129]	46-1/16 [1169]

Notes:

1. Seal strip must be applied as required to unit being installed.
2. Roof curb is made of 16 gauge steel.
3. Attach ductwork to curb (flanges of duct rest on curb).
4. Insulated panels: 1-in. thick fiberglass 1 lb. density.
5. When unit mounting screw is used (see Note A), a retainer bracket must be used as well. This bracket must also be used when required by code for hurricane or seismic conditions. This bracket is available through Micrometl.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

ACCESSORIES

ECONOMIZERS (ALL FULLY MODULATING)

Part Number	Application	Control	Use With Model Size
NPECOMZR003A00	Horizontal, convertible to Downflow	Dry Bulb (Enthalpy Control optional)	24, 30
NPECOMZR004A00			36, 42
NPECOMZR006A00			48, 60

All Economizers include Filter Racks but do not include filters.

MANUAL FRESH AIR DAMPERS (use in DOWNFLOW application only) *

Model Number	Control	Use With Model Size
NPMANDPR004A00	Manual	24, 30
NPMANDPR005A00		36, 42
NPMANDPR006A00		48, 60

* Unit must have internal filters to protect evaporator coil when Fresh Air Damper is installed.
All Manual Fresh Air Dampers shipped with Filter Racks but without Filters.

FILTER RACK and FILTER (shipped with 1" filters)

Model Number	Application	Filter Size	Use With Model Size
NPFILTRK004A00	Horizontal or Downflow	12" x 20" x 1" (quan. 2) or 12" x 20" x 2" (quan. 1) PLUS 10" x 20" x 2" (quan.1)	24, 30
NPFILTRK005A00		12" x 24" x 1" or 2" (3 required)	36, 42
NPFILTRK006A00		12" x 24" x 1" or 2" (3 required)	48, 60

CONCENTRIC DIFFUSER - Fits 2' x 4' Drop Ceiling Grid

Model Number	Description	Use With Model Size
AXB030CSA	STEP DOWN - Adapts round duct (18" dia.) to ceiling diffuser	ALL
AXB030CFA	FLUSH MOUNT - Adapts round duct (18" dia.) to ceiling diffuser	ALL

SQUARE to ROUND TRANSITION (Set of 2) - Use with Curb

Model Number	Round Size	Square Size	Use With Model Size
NPDUFLG002A00	14"	14" x 16"	24, 30, 36, 42, 48, 60

HIGH and LOW PRESSURE SWITCH CONTROL

Model Number	Description	Use With Model Size
NPCNTRLS001A00	High and Low pressure switches	ALL

PTC COMPRESSOR START ASSIST KIT

Model Number	Description	Use With Model Size
NPHSTART001A00	PTC type compressor start assist	ALL

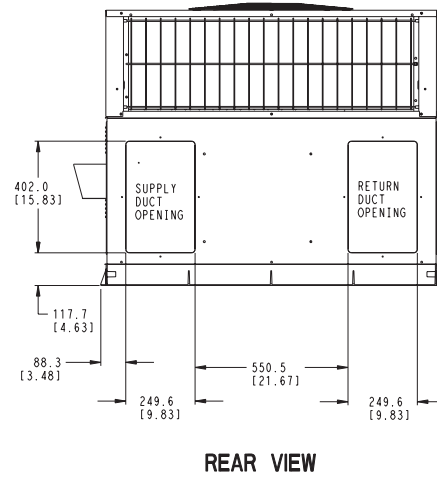
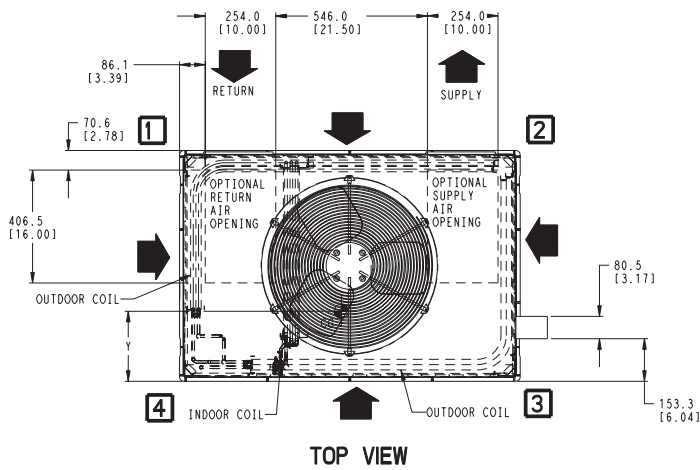
ANTI-CYCLE TIMER

Model Number	Description	Use With Model Size
NRTIMEGD001A00	5 minute anti-cycle timer (Note: many thermostats have inherent anti-cycle timer logic)	ALL

CRANKCASE HEATER

Model Number	Description	Use With Model Size
NPCRKHTR008A00	Belly-band type electric heater	24
NPCRKHTR004A00	Belly-band type electric heater	30, 36, 42, 48, 60

UNIT DIMENSIONS, model sizes 24, 30, 36



REQUIRED CLEARANCES TO COMBUSTIBLE MATL.

	MILLIMETERS [IN]
TOP OF UNIT	355.6 [14.00]
DUCT SIDE OF UNIT	50.8 [2.00]
SIDE OPPOSITE DUCTS	355.6 [14.00]
BOTTOM OF UNIT	12.7 [0.50]
FLUE PANEL	914.4 [36.00]

NEC. REQUIRED CLEARANCES.

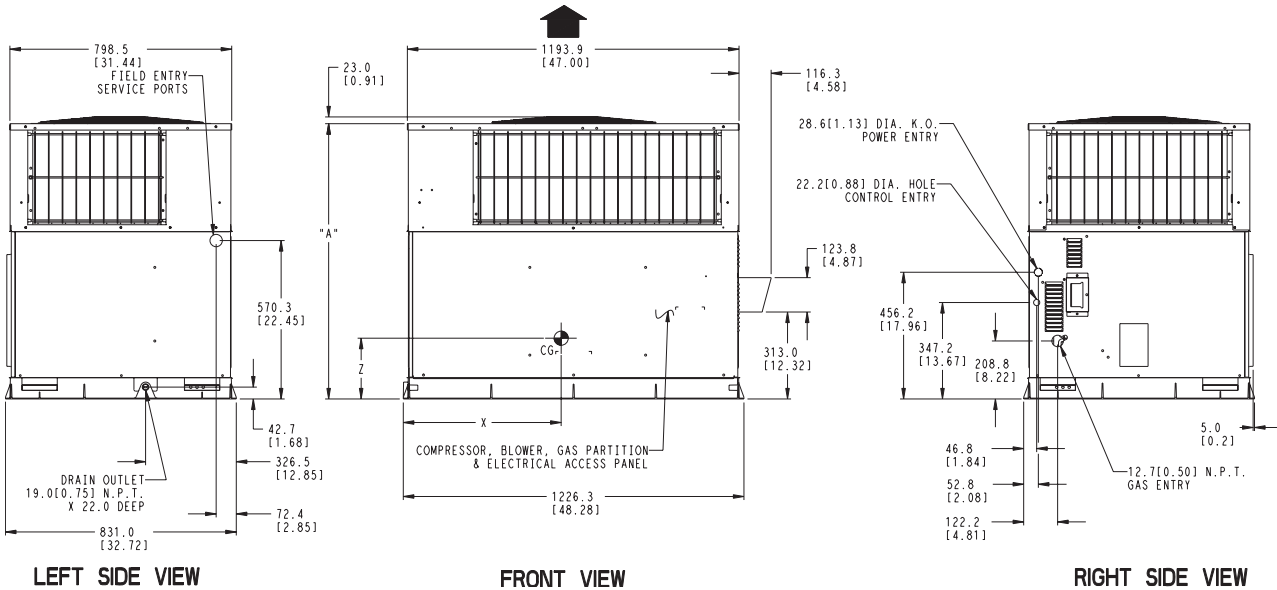
	MILLIMETERS [IN]
BETWEEN UNITS, POWER ENTRY SIDE	1066.8 [42.00]
UNIT AND UNGROUNDED SURFACES, POWER ENTRY SIDE	914.0 [36.00]
UNIT AND BLOCK OR CONCRETE WALLS AND OTHER GROUNDED SURFACES, POWER ENTRY SIDE	1066.8 [42.00]

REQUIRED CLEARANCE FOR OPERATION AND SERVICING

	MILLIMETERS [IN]
EVAP. COIL ACCESS SIDE	914.0 [36.00]
POWER ENTRY SIDE (EXCEPT FOR NEC REQUIREMENTS)	1066.8 [42.00]
UNIT TOP	1219.2 [48.00]
SIDE OPPOSITE DUCTS	914.0 [36.00]
DUCT PANEL	304.8 [12.00]

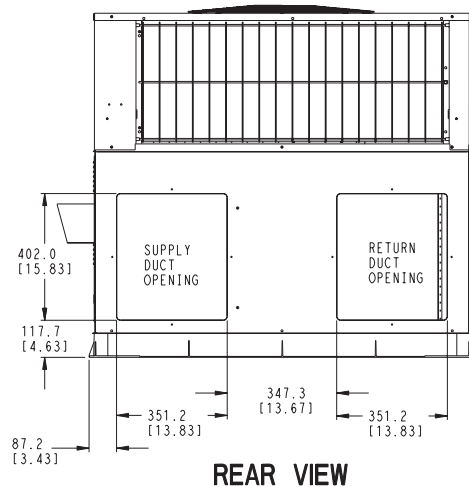
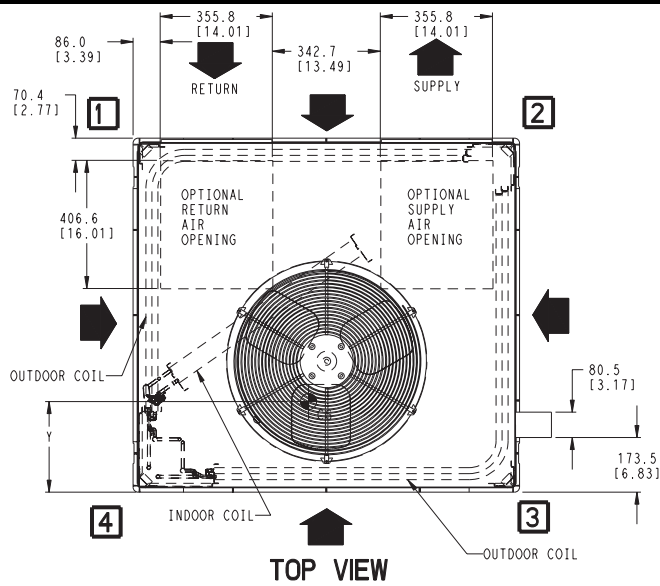
*MINIMUM DISTANCES: IF UNIT IS PLACED LESS THAN 304.8 [12.00] FROM WALL SYSTEM, THEN SYSTEM PERFORMANCE MAYBE COMPROMISED.

DIMENSIONS IN [] ARE IN INCHES



Model Size	UNIT HEIGHT	CENTER OF GRAVITY			
	IN. [MM]	A	X	Y	Z
24	37.02 [940]	20.0 [508]	17.0 [432]	17.6 [447]	
30	39.02 [991]	20.0 [508]	19.3 [490]	13.0 [330]	
36	41.02 [1042]	21.0 [533]	21.0 [533]	16.6 [422]	

UNIT DIMENSIONS, model sizes 42, 48, 60



REQUIRED CLEARANCES TO COMBUSTIBLE MATL.

	MILLIMETERS [IN]
TOP OF UNIT.....	355.6 [14.00]
DUCT SIDE OF UNIT.....	50.8 [2.00]
SIDE OPPOSITE DUCTS.....	355.6 [14.00]
BOTTOM OF UNIT.....	12.7 [0.50]
FLUE PANEL.....	914.4 [36.00]

NEC. REQUIRED CLEARANCES.

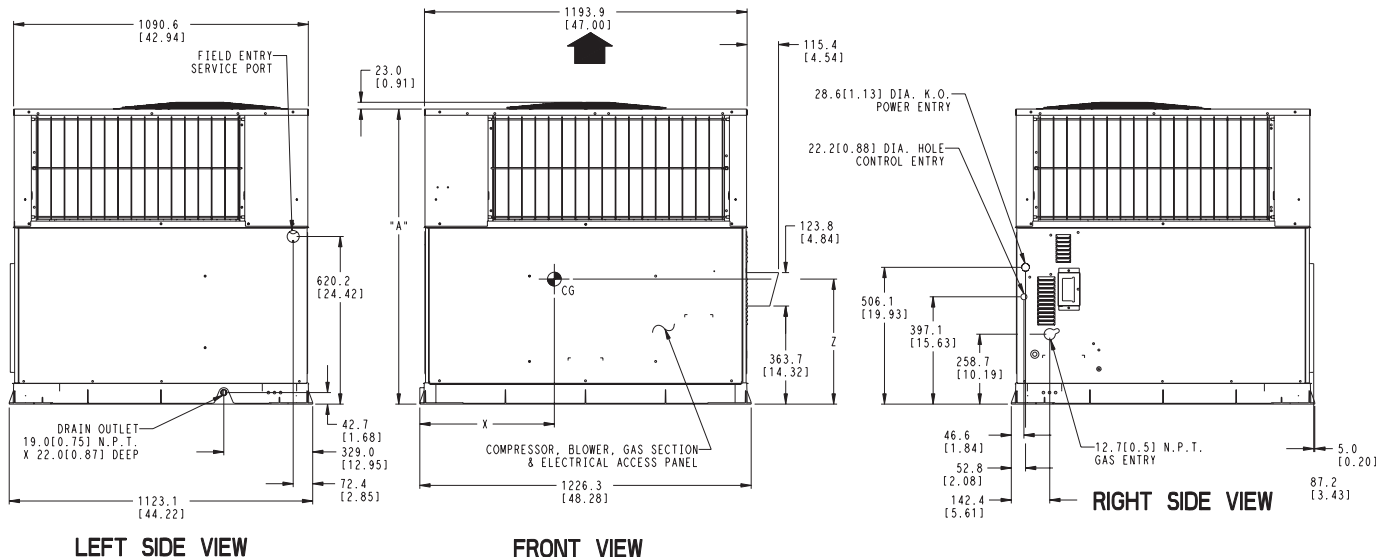
	MILLIMETERS [IN]
BETWEEN UNITS, POWER ENTRY SIDE.....	1066.8 [42.00]
UNIT AND UNGROUNDED SURFACES, POWER ENTRY SIDE.....	914.0 [36.00]
UNIT AND BLOCK OR CONCRETE WALLS AND OTHER GROUNDED SURFACES, POWER ENTRY SIDE.....	1066.8 [42.00]

REQUIRED CLEARANCE FOR OPERATION AND SERVICING

	MILLIMETERS [IN]
EVAP. COIL ACCESS SIDE.....	914.0 [36.00]
POWER ENTRY SIDE.....	1066.8 [42.00]
(EXCEPT FOR NEC REQUIREMENTS)	
UNIT TOP.....	1219.2 [48.00]
SIDE OPPOSITE DUCTS.....	914.0 [36.00]
DUCT PANEL.....	304.8 [12.00]

*MINIMUM DISTANCES: IF UNIT IS PLACED LESS THAN 304.8 [12.00] FROM WALL SYSTEM, THEN SYSTEM PERFORMANCE MAYBE COMPROMISED.

DIMENSIONS IN [] ARE IN INCHES



Model Size	UNIT HEIGHT	CENTER OF GRAVITY			
	IN. [MM]	IN. [MM]			
	A	X	Y	Z	
42	40.98 [1041]	21.0 [533]	21.0 [533]	17.1 [434]	
48	46.98 [1193]	21.0 [533]	20.0 [508]	17.4 [442]	
60	46.98 [1193]	21.0 [533]	20.0 [508]	17.6 [447]	

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 1/2-in. 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 are 1100 RPM with sleeve or ball bearings and internal overload protection.

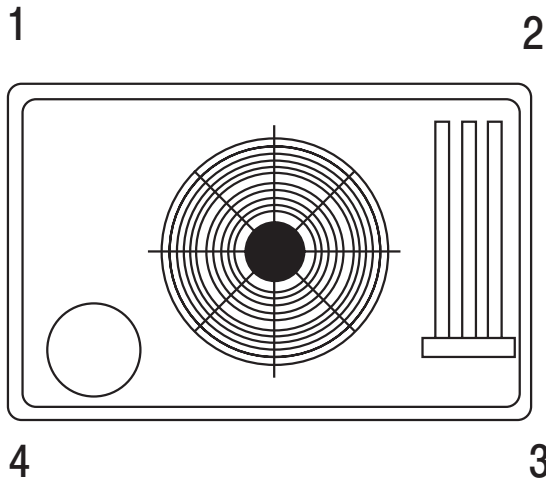
EVAPORATOR BLOWER

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

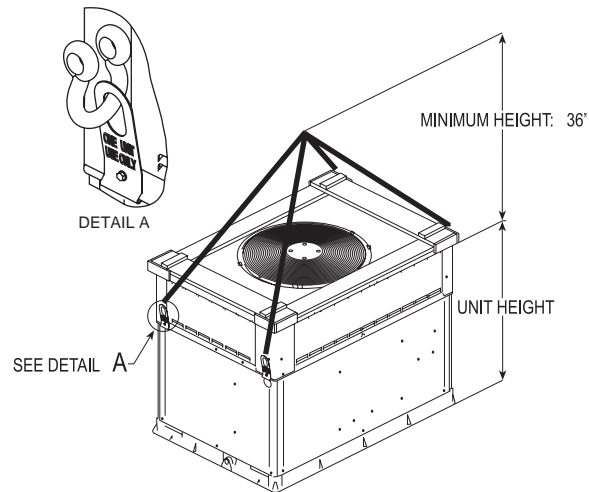
HEATING SECTION

The gas-fired heating section features an induced draft blower for combustion air. The unit has an tubular aluminized steel heat exchanger located on the discharge air side of the blower. The system uses in-shot burners ignited by a direct spark ignition system, protected by both a high heat limit switch and flame roll-out switch. The induced draft blower motor is interlocked with a solid-state Hall-effect sensor safety device.

CORNER WEIGHTS and RIGGING DETAILS



C00070b



A06361

CORNER WEIGHTS (SMALL CABINET)							CORNER WEIGHTS (LARGE CABINET)						
Model Size	24		30		36		Model Size	42		48		60	
	lb	kg	lb	kg	lb	kg		lb	kg	lb	kg	lb	kg
Total Weight	318	144	330	150	335	152	Total Weight	412	187	442	200	446	202
Corner Weight 1	60	27	69	31	72	33	Corner Weight 1	74	34	88	40	88	40
Corner Weight 2	42	19	50	23	41	19	Corner Weight 2	56	25	59	27	61	28
Corner Weight 3	80	36	71	32	80	36	Corner Weight 3	107	49	110	50	112	51
Corner Weight 4	136	62	140	64	142	64	Corner Weight 4	175	79	185	84	185	84
Rigging Weight	328	149	340	154	345	156	Rigging Weight	427	194	457	207	461	209
Shipping Weight	358	162	370	368	375	170	Shipping Weight	472	214	502	228	506	230

MODEL NOMENCLATURE

MODEL SERIES	P	A	N	3	36	000	K	00	A	1
P = Package										
A = Air Conditioner										
N = R-22										
3 = 13										
										SEER
24 = 24,000 BTUH = 2 Tons										
30 = 30,000 BTUH = 2.5 Tons										
36 = 36,000 BTUH = 3 Tons										
42 = 42,000 BTUH = 3.5 Tons										
48 = 48,000 BTUH = 4 Tons										
60 = 60,000 BTUH = 5 Tons										
										NOMINAL COOLING BTUH
000 = N/A										
										NOMINAL HEATING BTUH
K = 208/230-1-60										
										VOLTAGE
00 = Standard										
										FACTORY INSTALLED OPTIONS
Sales Model Digit										
Engineering Digit										