PAK SERIES 3 - 5 TON

ICP COMMERCIAL

LIMITED WARRANTY 5 YEAR PARTS

13 SEER



CONVERTIBLE SINGLE PACKAGE A/C

FEATURES

SINGLE PACKAGE

- Single package electric cooling, self contained systems installed on rooftop or ground level.

CONSTRUCTION

- 20 gauge galvanized-painted cabinet. One piece weather resistant top. Access panels for easy service. Side by side supply and return. Heavy gauge base with rails.

CABINET

- Triple-coated steel, consisting of a Polyester top coat, a urethane primer coat preceeded by an oxide pretreatment.

INDOOR BLOWER

- Standard direct systems.
- ''No Difference'' Design-Unit will operate at the same rated External Static Pressure in the down shot or horizontal duct position.
- Specially designed track enhances evaporator motor and blower serviceability.

IMPROVED INSULATION

- Dual density insulation improves temperature separation.

COPPER TUBE/ALUMINUM FIN COILS

- Enhanced aluminium fins mechanically bonded to copper tubes for improved heat transfer.

ELECTRICAL CONTROLS

- Located behind one exterior panel for easier maintenance.

EXTERNALLY-MOUNTED GAUGE PORTS

- Allows for more accurate reading of operating conditions while servicing.

INTEGRAL BASE RAILS

- Fork-lift access on three sides. Holes provided for lifting lugs makes rooftop installation easier.

THERMOSTATIC EXPANSION VALVE

- 5 thru 30 kW

FILTER DRIER

ELECTRIC HEAT ACCESSORY

DEPENDABLE WARRANTY

- Standard ten (10) year limited warranty on the compressor.
- Standard five (5) limited warranty on all parts.

MANUFACTURER CERTIFIED TO ARI AS COMPLYING WITH UNITARY AIR-CONDITIONING EQUIPMENT CERTIFICATION SECTIONS OF ARI STANDARD 210

Rated in accordance with ARI Standard 210.

c UL us LISTED

International Comfort Products
650 Heil-Quaker Avenue, Lewisburg, TN 37091

519 71 1301 00
9/01

UNIT SPECIFICATIONS

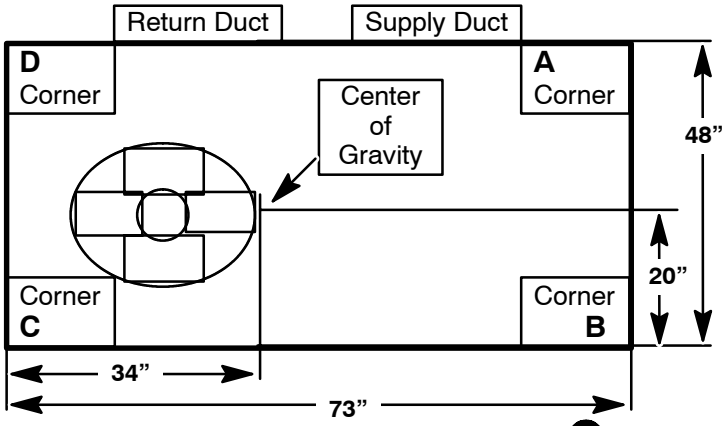
	MODELS			
Cooling	**PAK036K000**	**PAK042K000**	**PAK048K000**	**PAK060K000**
ARI Rated Capacity BTUH	37,200	43,000	49,000	58,000
SEER	13.0	13.0	13.0	13.0
Stages	1	1	1	1
Electrical				
Volts – Phase – Hertz	208/230–1–60	208/230–1–60	208/230–1–60	208/230–1–60
Voltage Range Min. – Max	187 – 253	187 – 253	187 – 253	187 – 253
Total Unit Amps	21.8	23.8	30.5	31.8
Minimum Circuit Ampacity	25.8	28.2	36.5	42.9
Max. Fuse / HACR Breaker Size	40	45	60	60
Compressor				
Number of Independent Circuits	1	1	1	1
RLA	16.0	17.95	23.7	25.0
LRA	88.0	104.0	129.0	169.0
Type	SCROLL	SCROLL	SCROLL	SCROLL
Condenser Fan Data				
Quantity	1	1	1	1
Volts – Phase – Hertz	208/230–1–60	208/230–1–60	208/230–1–60	208/230–1–60
FLA	1.8	1.8	1.8	1.8
LRA	6.42	6.42	6.42	6.42
Blades – Diameter – Pitch	4 – 22 – 21	4 – 22 – 21	4 – 22 – 21	4 – 22 – 21
HP– Rpm – Speeds	1/2 – 1140 – 1	1/2 – 1140 – 1	1/2 – 1140 – 1	1/2 – 1140 – 1
Bearing Type	SLEEVE	SLEEVE	SLEEVE	SLEEVE
Rotation (Shaft End)	CW	CW	CCW	CCW
Nominal CFM	3000	3000	3000	3000
Condenser Coil				
Rows – Fins per Inch	2 – 20	2 – 20	2 – 20	2.7 – 20
Total Face Area ($FT.^2$)	17.2	17.2	17.2	17.2
Tube Diameter – Type	3/8” Smooth	3/8” Smooth	3/8” Smooth	3/8” Rifled
Refrigerant				
Type	R–22	R–22	R–22	R–22
Pounds – Ounces	12 – 5	11 – 4	13 – 7	13 – 15
Expansion Device	TXV	TXV	TXV	TXV
Evaporator Coil				
Rows – Fins per Inch	3 – 14	4 – 14	4 – 14	4 – 14
Total Face Area ($FT.^2$)	8.22	8.22	8.22	8.22
Tube Diameter – Type	3/8” Rifled	3/8” Rifled	3/8” Rifled	3/8” Rifled

UNIT SPECIFICATIONS

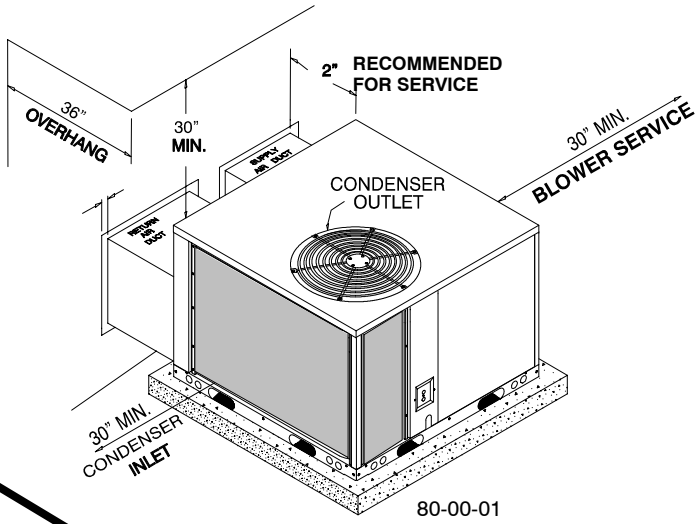
	MODELS			
Evaporator Fan	**PAK036K000**	**PAK042K000**	**PAK048K000**	**PAK060K000**
Quantity, Blowers / Motors	1	1	1	1
Volts – Phase – Hertz	208/230–1–60	208/230–1–60	208/230–1–60	208/230–1–60
FLA	4.0	4.0	5.0	5.0
LRA	7.09	7.09	8.75	8.75
Type Drive (Belt or Direct)	Direct	Direct	Direct	Direct
Housing Size	10–8	10–8	11–11	11–11
HP – RPM – Speeds	1/2–1075–4	1/2–1075–4	1–1000–4	1–1000–4
Bearing Type	SLEEVE	SLEEVE	SLEEVE	SLEEVE
Rotation	CCW	CCW	CCW	CCW
Total Standard CFM	1200	1400	1600	2000
Controls				
Transformer VA	65	65	65	65
Compressor IPR Valve (psi)	450	450	450	450
Misc.				
Unit Operating Weight	580	590	600	625

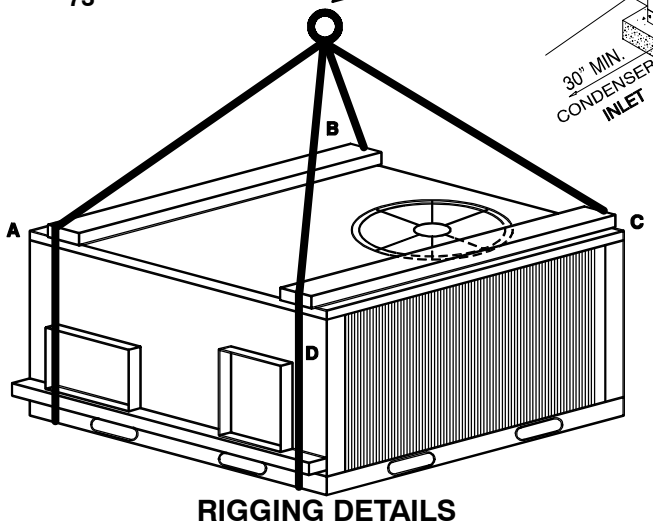
	Corner Weights in LBS. (KG)				Total Weight
Unit Size	Corner A	Corner B	Corner C	Corner D	lbs (kg)
3 Ton	113 (51)	158 (71.5)	181 (59)	129 (59)	580 (263)
3-1/2 Ton	115 (52)	160 (73)	184 (83)	131 (60)	590 (267)
4 Ton	116 (53)	163 (74)	187 (85)	134 (61)	600 (272)
5 Ton	121 (55)	170 (77)	195 (88)	139 (63)	625 (283)

Center of Gravity



INSTALLATION CLEARANCES





RIGGING DETAILS

EXPANDED PERFORMANCE DATA (COOLING) - 3 TON

IDB*	Airflow CFM		Outdoor Ambient Temperature - Degrees F. Dry Bulb / Entering Indoor Temperature - Degrees F. Wet Bulb																			
			65				75				85				95				105				115			
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1344	MBh	36.5	37.8	41.4	-	35.6	36.9	40.4	-	34.8	36.0	39.5	-	33.9	35.1	38.5	-	32.2	33.4	36.6	-	29.8	30.9	33.9	-
		S/T	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.86	0.72	0.50	-	0.86	0.72	0.50	-
		KW	2.71	2.76	2.84	-	2.89	2.95	3.03	-	3.05	3.11	3.20	-	3.20	3.26	3.35	-	3.32	3.38	3.48	-	3.42	3.49	3.59	-
	1200	MBh	35.4	36.7	40.2	-	34.6	35.8	39.3	-	33.7	35.0	38.3	-	32.9	34.1	37.4	-	31.3	32.4	35.5	-	29.0	30.0	32.9	-
		S/T	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.82	0.69	0.48	-
		KW	2.69	2.74	2.82	-	2.87	2.93	3.01	-	3.03	3.09	3.18	-	3.17	3.24	3.33	-	3.29	3.36	3.46	-	3.40	3.46	3.57	-
	1056	MBh	33.6	34.8	38.2	-	32.8	34.0	37.3	-	32.1	33.2	36.4	-	31.3	32.4	35.5	-	29.7	30.8	33.7	-	27.5	28.5	31.3	-
		S/T	0.69	0.57	0.40	-	0.71	0.60	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.79	0.66	0.46	-
		KW	2.66	2.70	2.78	-	2.83	2.89	2.97	-	2.99	3.05	3.13	-	3.13	3.19	3.28	-	3.24	3.31	3.40	-	3.34	3.41	3.51	-
75	1344	MBh	37.1	38.2	41.3	44.3	36.2	37.3	40.4	43.3	35.3	36.4	39.4	42.3	34.5	35.5	38.4	41.2	32.8	33.7	36.5	39.2	30.3	31.2	33.8	36.3
		S/T	0.86	0.77	0.58	0.37	0.89	0.79	0.60	0.39	0.91	0.81	0.62	0.40	0.94	0.84	0.64	0.41	0.97	0.87	0.66	0.42	0.98	0.88	0.67	0.43
		KW	2.73	2.78	2.86	2.94	2.91	2.97	3.05	3.14	3.08	3.14	3.23	3.32	3.22	3.28	3.38	3.48	3.34	3.41	3.51	3.62	3.45	3.52	3.62	3.73
	1200	MBh	36.0	37.1	40.1	43.0	35.2	36.2	39.2	42.0	34.3	35.3	38.2	41.0	33.5	34.5	37.3	40.0	31.8	32.7	35.4	38.0	29.5	30.3	32.8	35.2
		S/T	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.93	0.83	0.63	0.40	0.94	0.84	0.63	0.41
		KW	2.71	2.76	2.84	2.92	2.89	2.95	3.03	3.12	3.05	3.11	3.20	3.30	3.20	3.26	3.36	3.46	3.32	3.38	3.48	3.59	3.42	3.49	3.60	3.71
	1056	MBh	34.2	35.2	38.1	40.9	33.4	34.4	37.2	39.9	32.6	33.6	36.3	39.0	31.8	32.7	35.4	38.0	30.2	31.1	33.7	36.1	28.0	28.8	31.2	33.5
		S/T	0.78	0.70	0.53	0.34	0.81	0.73	0.55	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.90	0.80	0.61	0.39
		KW	2.67	2.72	2.80	2.88	2.85	2.91	2.99	3.07	3.01	3.07	3.16	3.25	3.15	3.21	3.31	3.40	3.27	3.33	3.43	3.54	3.37	3.44	3.54	3.65
80	1344	MBh	37.7	38.6	41.2	44.0	36.9	37.7	40.2	43.0	36.0	36.8	39.3	42.0	35.1	35.9	38.3	41.0	33.3	34.1	36.4	38.9	30.9	31.6	33.7	36.0
		S/T	0.94	0.88	0.72	0.54	1.00	0.91	0.74	0.56	1.00	0.94	0.76	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.82	0.62
		KW	2.75	2.80	2.88	2.96	2.94	2.99	3.08	3.17	3.10	3.16	3.25	3.35	3.24	3.31	3.41	3.51	3.37	3.43	3.54	3.65	3.47	3.54	3.65	3.76
	1200	MBh	36.6	37.4	40.0	42.7	35.8	36.6	39.1	41.8	34.9	35.7	38.1	40.8	34.1	34.8	37.2	39.8	32.4	33.1	35.3	37.8	30.0	30.6	32.7	35.0
		S/T	0.90	0.84	0.68	0.51	0.93	0.87	0.71	0.53	0.95	0.89	0.73	0.54	0.98	0.92	0.75	0.56	1.00	0.96	0.78	0.58	1.00	0.96	0.78	0.59
		KW	2.73	2.78	2.86	2.94	2.91	2.97	3.05	3.14	3.08	3.14	3.23	3.32	3.22	3.28	3.38	3.48	3.34	3.41	3.51	3.62	3.45	3.52	3.62	3.73
	1056	MBh	34.8	35.6	38.0	40.6	34.0	34.7	37.1	39.7	33.2	33.9	36.2	38.7	32.4	33.1	35.3	37.8	30.8	31.4	33.6	35.9	28.5	29.1	31.1	33.2
		S/T	0.86	0.80	0.65	0.49	0.89	0.83	0.68	0.51	0.91	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.98	0.92	0.75	0.56	0.99	0.92	0.75	0.56
		KW	2.69	2.74	2.82	2.90	2.87	2.93	3.01	3.10	3.03	3.09	3.18	3.27	3.17	3.24	3.33	3.43	3.29	3.36	3.46	3.56	3.40	3.46	3.57	3.68
85	1344	MBh	38.4	39.1	41.0	43.7	37.5	38.2	40.0	42.7	36.6	37.3	39.1	41.7	35.7	36.4	38.1	40.7	33.9	34.6	36.2	38.6	31.4	32.0	33.5	35.8
		S/T	0.98	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.98	0.79	1.00	1.00	0.98	0.80
		KW	2.77	2.82	2.90	2.98	2.96	3.01	3.10	3.19	3.12	3.18	3.28	3.37	3.27	3.33	3.43	3.54	3.39	3.46	3.56	3.67	3.50	3.57	3.68	3.79
	1200	MBh	37.3	38.0	39.8	42.5	36.4	37.1	38.9	41.5	35.5	36.2	37.9	40.5	34.7	35.3	37.0	39.5	32.9	33.6	35.2	37.5	30.5	31.1	32.6	34.7
		S/T	0.94	0.91	0.82	0.66	0.97	0.94	0.85	0.69	1.00	0.96	0.87	0.71	1.00	0.99	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.94	0.76
		KW	2.75	2.80	2.88	2.96	2.94	2.99	3.08	3.17	3.10	3.16	3.25	3.35	3.24	3.31	3.41	3.51	3.37	3.43	3.54	3.65	3.47	3.54	3.65	3.76
	1056	MBh	35.4	36.1	37.8	40.3	34.6	35.3	36.9	39.4	33.8	34.4	36.0	38.5	32.9	33.6	35.2	37.5	31.3	31.9	33.4	35.6	29.0	29.5	30.9	33.0
		S/T	0.90	0.87	0.78	0.64	0.93	0.90	0.81	0.66	0.96	0.92	0.83	0.68	0.99	0.95	0.86	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.90	0.73
		KW	2.71	2.76	2.84	2.92	2.89	2.95	3.03	3.12	3.05	3.11	3.20	3.30	3.20	3.26	3.35	3.46	3.32	3.38	3.48	3.59	3.42	3.49	3.59	3.71

EXPANDED PERFORMANCE DATA (COOLING) - 3-1/2 TON

IDB*	Airflow CFM		Outdoor Ambient Temperature - Degrees F. Dry Bulb / Entering Indoor Temperature - Degrees F. Wet Bulb																			
			65				75				85				95				105				115			
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1568	MBh	42.1	43.7	47.8	-	41.2	42.7	46.7	-	40.2	41.6	45.6	-	39.2	40.6	44.5	-	37.2	38.6	42.3	-	34.5	35.8	39.2	-
		S/T	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.48	-	0.87	0.73	0.50	-	0.88	0.73	0.51	-
		KW	3.16	3.21	3.30	-	3.37	3.43	3.53	-	3.56	3.63	3.74	-	3.73	3.80	3.91	-	3.87	3.95	4.06	-	3.99	4.07	4.20	-
	1400	MBh	40.9	42.4	46.5	-	40.0	41.4	45.4	-	39.0	40.4	44.3	-	38.1	39.4	43.2	-	36.2	37.5	41.1	-	33.5	34.7	38.0	-
		S/T	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.84	0.70	0.48	-
		KW	3.13	3.19	3.28	-	3.35	3.41	3.51	-	3.53	3.60	3.71	-	3.70	3.77	3.88	-	3.84	3.92	4.03	-	3.96	4.04	4.16	-
	1232	MBh	38.9	40.3	44.1	-	38.0	39.3	43.1	-	37.1	38.4	42.1	-	36.2	37.5	41.1	-	34.3	35.6	39.0	-	31.8	33.0	36.1	-
		S/T	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.80	0.67	0.46	-
		KW	3.09	3.15	3.23	-	3.30	3.36	3.46	-	3.48	3.55	3.65	-	3.64	3.72	3.83	-	3.78	3.86	3.97	-	3.90	3.98	4.10	-
75	1568	MBh	42.9	44.1	47.8	51.3	41.9	43.1	46.6	50.1	40.9	42.1	45.5	48.9	39.9	41.0	44.4	47.7	37.9	39.0	42.2	45.3	35.1	36.1	39.1	42.0
		S/T	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.92	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.99	0.88	0.67	0.43	1.00	0.89	0.67	0.43
		KW	3.18	3.24	3.33	3.42	3.39	3.46	3.56	3.66	3.59	3.66	3.76	3.88	3.75	3.83	3.94	4.06	3.90	3.98	4.10	4.22	4.02	4.10	4.23	4.36
	1400	MBh	41.6	42.8	46.4	49.8	40.6	41.8	45.3	48.6	39.7	40.8	44.2	47.4	38.7	39.8	43.1	46.3	36.8	37.9	41.0	44.0	34.1	35.1	38.0	40.7
		S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.81	0.61	0.40	0.94	0.84	0.64	0.41	0.95	0.85	0.64	0.41
		KW	3.16	3.22	3.31	3.40	3.37	3.44	3.53	3.64	3.56	3.63	3.74	3.85	3.73	3.80	3.91	4.03	3.87	3.95	4.07	4.19	3.99	4.07	4.20	4.33
	1232	MBh	39.5	40.7	44.0	47.3	38.6	39.7	43.0	46.2	37.7	38.8	42.0	45.1	36.8	37.9	41.0	44.0	34.9	36.0	38.9	41.8	32.4	33.3	36.1	38.7
		S/T	0.79	0.71	0.54	0.35	0.82	0.73	0.56	0.36	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.91	0.81	0.62	0.40
		KW	3.11	3.17	3.26	3.35	3.32	3.39	3.48	3.58	3.51	3.58	3.68	3.79	3.67	3.74	3.85	3.97	3.81	3.89	4.00	4.13	3.93	4.01	4.13	4.26
80	1568	MBh	43.6	44.6	47.6	50.9	42.6	43.5	46.5	49.7	41.6	42.5	45.4	48.5	40.6	41.5	44.3	47.3	38.5	39.4	42.1	45.0	35.7	36.5	39.0	41.7
		S/T	0.95	0.89	0.73	0.54	1.00	0.93	0.75	0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.83	0.62
		KW	3.20	3.26	3.35	3.45	3.42	3.49	3.59	3.69	3.61	3.68	3.79	3.91	3.78	3.86	3.97	4.10	3.93	4.01	4.13	4.26	4.05	4.14	4.26	4.39
	1400	MBh	42.3	43.3	46.2	49.4	41.4	42.3	45.2	48.3	40.4	41.3	44.1	47.1	39.4	40.2	43.0	46.0	37.4	38.2	40.9	43.7	34.7	35.4	37.8	40.5
		S/T	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.96	0.90	0.74	0.55	1.00	0.93	0.76	0.57	1.00	0.97	0.79	0.59	1.00	0.98	0.80	0.59
		KW	3.18	3.24	3.33	3.42	3.40	3.46	3.56	3.66	3.59	3.66	3.76	3.88	3.76	3.83	3.94	4.06	3.90	3.98	4.10	4.22	4.02	4.10	4.23	4.36
	1232	MBh	40.2	41.1	43.9	46.9	39.3	40.1	42.9	45.9	38.4	39.2	41.9	44.8	37.4	38.2	40.9	43.7	35.5	36.3	38.8	41.5	32.9	33.6	35.9	38.4
		S/T	0.87	0.82	0.66	0.50	0.90	0.85	0.69	0.51	0.92	0.87	0.71	0.53	0.95	0.89	0.73	0.54	0.99	0.93	0.76	0.56	1.00	0.94	0.76	0.57
		KW	3.13	3.19	3.28	3.37	3.35	3.41	3.51	3.61	3.53	3.60	3.71	3.82	3.70	3.77	3.88	4.00	3.84	3.92	4.03	4.16	3.96	4.04	4.16	4.29
85	1568	MBh	44.4	45.2	47.4	50.5	43.3	44.2	46.3	49.4	42.3	43.1	45.2	48.2	41.3	42.1	44.1	47.0	39.2	40.0	41.9	44.7	36.3	37.0	38.8	41.4
		S/T	1.00	0.96	0.87	0.70	1.00	1.00	0.90	0.73	1.00	1.00	0.92	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.99	0.80	1.00	1.00	1.00	0.81
		KW	3.22	3.28	3.38	3.47	3.44	3.51	3.61	3.72	3.64	3.71	3.82	3.94	3.81	3.89	4.00	4.13	3.96	4.04	4.16	4.29	4.08	4.17	4.30	4.43
	1400	MBh	43.1	43.9	46.0	49.1	42.1	42.9	44.9	47.9	41.1	41.9	43.9	46.8	40.1	40.9	42.8	45.6	38.1	38.8	40.6	43.4	35.3	35.9	37.7	40.2
		S/T	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.98	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.77	1.00	1.00	0.95	0.77
		KW	3.20	3.26	3.35	3.45	3.42	3.49	3.59	3.69	3.61	3.68	3.79	3.91	3.78	3.86	3.97	4.10	3.93	4.01	4.13	4.26	4.05	4.14	4.26	4.39
	1232	MBh	40.9	41.7	43.7	46.6	40.0	40.7	42.7	45.5	39.0	39.8	41.7	44.4	38.1	38.8	40.6	43.4	36.2	36.9	38.6	41.2	33.5	34.2	35.8	38.2
		S/T	0.91	0.88	0.79	0.64	0.94	0.91	0.82	0.67	0.97	0.93	0.84	0.68	1.00	0.96	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.91	0.74
		KW	3.16	3.21	3.30	3.40	3.37	3.43	3.53	3.64	3.56	3.63	3.74	3.85	3.73	3.80	3.91	4.03	3.87	3.95	4.06	4.19	3.99	4.07	4.20	4.33

* Entering Indoor Temperature - Degrees F. Dry Bulb

Standard Rating

EXPANDED PERFORMANCE DATA (COOLING) – 4 TON

IDB*	Airflow CFM		Outdoor Ambient Temperature - Degrees F. Dry Bulb / Entering Indoor Temperature - Degrees F. Wet Bulb																							
			65				75				85				95				105				115			
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1568	MBh	448.0	49.8	54.5	–	46.9	48.6	53.3	–	45.8	47.5	52.0	–	44.7	46.3	50.7	–	42.4	44.0	48.2	–	39.3	40.7	44.6	–
		S/T	0.75	0.63	0.44	–	0.78	0.65	0.45	–	0.80	0.67	0.46	–	0.83	0.69	0.48	–	0.86	0.72	0.50	–	0.86	0.72	0.50	–
		KW	3.65	3.73	3.85	–	3.93	4.01	4.14	–	4.17	4.26	4.40	–	4.39	4.48	4.63	–	4.57	4.67	4.82	–	4.73	4.83	4.99	–
	1400	MBh	46.6	48.3	52.9	–	45.5	47.2	51.7	–	44.4	46.1	50.5	–	43.4	44.9	49.2	–	41.2	42.7	46.8	–	38.2	39.6	43.3	–
		S/T	0.72	0.60	0.42	–	0.74	0.62	0.43	–	0.76	0.64	0.44	–	0.79	0.66	0.46	–	0.82	0.68	0.47	–	0.82	0.69	0.48	–
		KW	3.63	3.70	3.82	–	3.90	3.98	4.11	–	4.14	4.23	4.36	–	4.35	4.45	4.59	–	4.53	4.63	4.78	–	4.69	4.79	4.95	–
	1232	MBh	44.3	45.9	50.3	–	43.3	44.8	49.1	–	42.2	43.8	48.0	–	41.2	42.7	46.8	–	39.1	40.6	44.4	–	36.3	37.6	41.2	–
		S/T	0.69	0.57	0.40	–	0.71	0.60	0.41	–	0.73	0.61	0.42	–	0.75	0.63	0.44	–	0.78	0.65	0.45	–	0.79	0.66	0.46	–
		KW	3.57	3.64	3.76	–	3.84	3.92	4.04	–	4.07	4.16	4.29	–	4.28	4.37	4.51	–	4.46	4.55	4.70	–	4.61	4.71	4.86	–
75	1568	MBh	48.8	50.3	54.4	58.4	47.7	49.1	53.2	57.0	46.6	47.9	51.9	55.7	45.4	46.8	50.6	54.3	43.2	44.4	48.1	51.6	40.0	41.2	44.5	47.8
		S/T	0.86	0.77	0.58	0.37	0.89	0.79	0.60	0.39	0.91	0.81	0.62	0.40	0.94	0.84	0.64	0.41	0.97	0.87	0.66	0.42	0.98	0.88	0.67	0.43
		KW	3.68	3.76	3.88	4.00	3.96	4.05	4.17	4.31	4.21	4.30	4.43	4.58	4.42	4.52	4.67	4.82	4.61	4.71	4.86	5.02	4.77	4.87	5.03	5.20
	1400	MBh	47.4	48.8	52.8	56.7	46.3	47.7	51.6	55.4	45.2	46.5	50.4	54.1	44.1	45.4	49.1	52.7	41.9	43.1	46.7	50.1	38.8	40.0	43.2	46.4
		S/T	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.93	0.83	0.63	0.40	0.94	0.84	0.63	0.41
		KW	3.66	3.73	3.85	3.97	3.93	4.01	4.14	4.27	4.17	4.26	4.40	4.54	4.39	4.48	4.63	4.78	4.57	4.67	4.82	4.98	4.73	4.83	4.99	5.16
	1232	MBh	45.0	46.4	50.2	53.9	44.0	45.3	49.0	52.6	42.9	44.2	47.9	51.4	41.9	43.1	46.7	50.1	39.8	41.0	44.4	47.6	36.9	38.0	41.1	44.1
		S/T	0.78	0.70	0.53	0.34	0.81	0.73	0.55	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.90	0.80	0.61	0.39
		KW	3.60	3.67	3.79	3.90	3.87	3.95	4.07	4.20	4.11	4.19	4.33	4.47	4.32	4.41	4.55	4.70	4.49	4.59	4.74	4.90	4.65	4.75	4.91	5.07
80	1568	MBh	49.7	50.8	54.3	58.0	48.5	49.6	53.0	56.7	47.4	48.4	51.7	55.3	46.2	47.2	50.5	54.0	43.9	44.9	47.9	51.3	40.7	41.6	44.4	47.5
		S/T	0.94	0.88	0.72	0.54	1.00	0.91	0.74	0.56	1.00	0.94	0.76	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.82	0.62
		KW	3.71	3.79	3.91	4.03	3.99	4.08	4.21	4.34	4.24	4.33	4.47	4.62	4.46	4.56	4.70	4.86	4.65	4.75	4.90	5.07	4.81	4.91	5.07	5.24
	1400	MBh	48.3	49.3	52.7	56.3	47.1	48.2	51.5	55.0	46.0	47.0	50.2	53.7	44.9	45.9	49.0	52.4	42.6	43.6	46.6	49.8	39.5	40.4	43.1	46.1
		S/T	0.90	0.84	0.68	0.51	0.93	0.87	0.71	0.53	0.95	0.89	0.73	0.54	0.98	0.92	0.75	0.56	1.00	0.96	0.78	0.58	1.00	0.96	0.78	0.59
		KW	3.68	3.76	3.88	4.00	3.96	4.05	4.17	4.31	4.21	4.30	4.44	4.58	4.42	4.52	4.67	4.82	4.61	4.71	4.86	5.02	4.77	4.87	5.03	5.20
	1232	MBh	45.8	46.8	50.0	53.5	44.8	45.7	48.9	52.3	43.7	44.7	47.7	51.0	42.6	43.6	46.6	49.8	40.5	41.4	44.2	47.3	37.5	38.3	41.0	43.8
		S/T	0.86	0.80	0.65	0.49	0.89	0.83	0.68	0.51	0.91	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.98	0.92	0.75	0.56	0.99	0.92	0.75	0.56
		KW	3.63	3.70	3.82	3.94	3.90	3.98	4.11	4.24	4.14	4.23	4.36	4.50	4.35	4.45	4.59	4.74	4.53	4.63	4.78	4.94	4.69	4.79	4.95	5.11
85	1568	MBh	50.6	51.5	54.0	57.6	49.4	50.3	52.7	56.3	48.2	49.1	51.5	54.9	47.0	47.9	50.2	53.6	44.7	45.6	47.7	50.9	41.4	42.2	44.2	47.1
		S/T	0.98	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.98	0.79	1.00	1.00	0.98	0.80
		KW	3.74	3.82	3.94	4.06	4.02	4.11	4.24	4.38	4.28	4.37	4.51	4.66	4.50	4.59	4.74	4.90	4.68	4.79	4.94	5.11	4.85	4.95	5.12	5.29
	1400	MBh	49.1	50.0	52.4	55.9	48.0	48.9	51.2	54.6	46.8	47.7	50.0	53.3	45.7	46.6	48.8	52.0	43.4	44.2	46.3	49.4	40.2	41.0	42.9	45.8
		S/T	0.94	0.91	0.82	0.66	0.97	0.94	0.85	0.69	1.00	0.96	0.87	0.71	1.00	0.99	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.94	0.76
		KW	3.71	3.79	3.91	4.03	3.99	4.08	4.21	4.34	4.24	4.33	4.47	4.62	4.46	4.56	4.70	4.86	4.65	4.75	4.90	5.07	4.81	4.91	5.07	5.24
	1232	MBh	46.6	47.5	49.8	53.1	45.6	46.4	48.6	51.9	44.5	45.3	47.5	50.6	43.4	44.2	46.3	49.4	41.2	42.0	44.0	46.9	38.2	38.9	40.8	43.5
		S/T	0.90	0.87	0.78	0.64	0.93	0.90	0.81	0.66	0.96	0.92	0.83	0.68	0.99	0.95	0.86	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.90	0.73
		KW	3.65	3.73	3.85	3.97	3.93	4.01	4.14	4.27	4.17	4.26	4.40	4.54	4.39	4.48	4.63	4.78	4.57	4.67	4.82	4.98	4.73	4.83	4.99	5.16

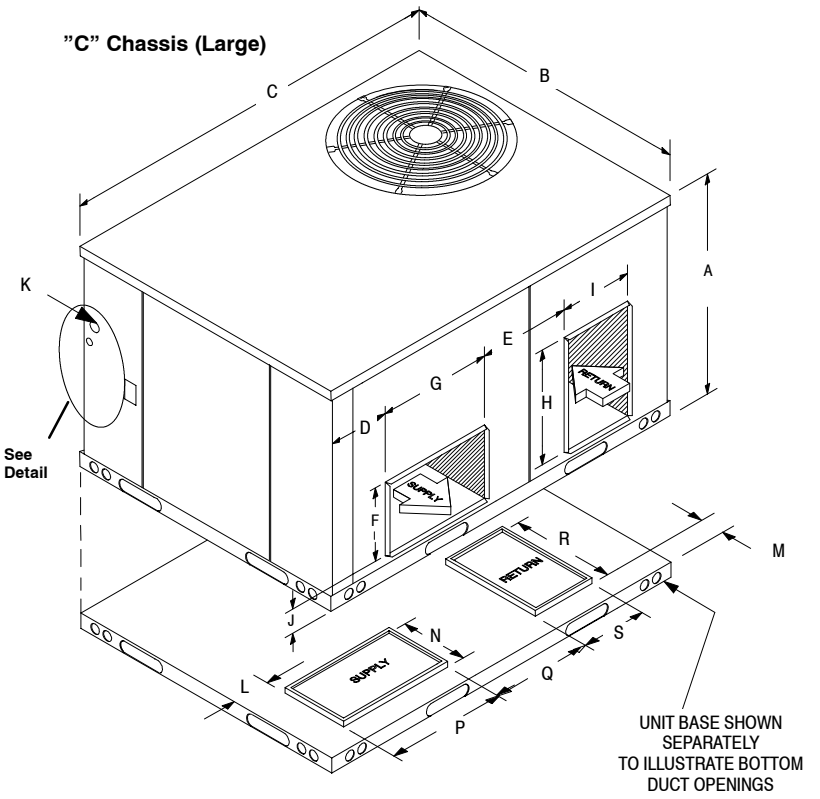
EXPANDED PERFORMANCE DATA (COOLING) – 5 TON

IDB*	Airflow CFM		Outdoor Ambient Temperature - Degrees F. Dry Bulb / Entering Indoor Temperature - Degrees F. Wet Bulb																							
			65				75				85				95				105				115			
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	2240	MBh	56.8	58.9	64.5	–	55.5	57.5	63.0	–	54.2	56.2	61.5	–	52.9	54.8	60.0	–	50.2	52.1	57.0	–	46.5	48.2	52.8	–
		S/T	0.76	0.64	0.44	–	0.79	0.66	0.46	–	0.81	0.68	0.47	–	0.84	0.70	0.48	–	0.87	0.73	0.50	–	0.88	0.73	0.51	–
		KW	4.42	4.51	4.64	–	4.73	4.83	4.97	–	5.01	5.11	5.27	–	5.26	5.37	5.53	–	5.46	5.58	5.75	–	5.64	5.76	5.94	–
	2000	MBh	55.2	57.2	62.7	–	53.9	55.9	61.2	–	52.6	54.5	59.7	–	51.3	53.2	58.3	–	48.8	50.5	55.4	–	45.2	46.8	51.3	–
		S/T	0.73	0.61	0.42	–	0.75	0.63	0.44	–	0.77	0.65	0.45	–	0.80	0.67	0.46	–	0.83	0.69	0.48	–	0.84	0.70	0.48	–
		KW	4.39	4.47	4.60	–	4.70	4.79	4.94	–	4.97	5.08	5.23	–	5.22	5.32	5.49	–	5.42	5.54	5.71	–	5.60	5.72	5.90	–
	1760	MBh	52.4	54.3	59.5	–	51.2	53.1	58.1	–	50.0	51.8	56.8	–	48.8	50.5	55.4	–	46.3	48.0	52.6	–	42.9	44.5	48.7	–
		S/T	0.70	0.58	0.40	–	0.72	0.60	0.42	–	0.74	0.62	0.43	–	0.77	0.64	0.44	–	0.79	0.66	0.46	–	0.80	0.67	0.46	–
		KW	4.32	4.41	4.54	–	4.63	4.72	4.86	–	4.90	5.00	5.15	–	5.14	5.24	5.40	–	5.34	5.45	5.62	–	5.51	5.63	5.80	–
75	2240	MBh	57.8	59.5	64.4	69.1	56.5	58.1	62.9	67.5	55.1	56.7	61.4	65.9	53.8	55.4	59.9	64.3	51.1	52.6	56.9	61.1	47.3	48.7	52.7	56.6
		S/T	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.92	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.99	0.88	0.67	0.43	1.00	0.89	0.67	0.43
		KW	4.45	4.54	4.67	4.81	4.77	4.87	5.01	5.17	5.05	5.15	5.31	5.48	5.30	5.41	5.58	5.75	5.51	5.62	5.80	5.98	5.69	5.81	5.99	6.19
	2000	MBh	56.1	57.8	62.5	67.1	54.8	56.4	61.1	65.6	53.5	55.1	59.6	64.0	52.2	53.7	58.2	62.4	49.6	51.1	55.3	59.3	45.9	47.3	51.2	54.9
		S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.81	0.61	0.40	0.94	0.84	0.64	0.41	0.95	0.85	0.64	0.41
		KW	4.42	4.51	4.64	4.78	4.74	4.83	4.97	5.13	5.01	5.12	5.27	5.43	5.26	5.37	5.53	5.71	5.47	5.58	5.75	5.94	5.65	5.76	5.95	6.14
	1760	MBh	53.3	54.9	59.4	63.8	52.1	53.6	58.0	62.3	50.8	52.3	56.6	60.8	49.6	51.1	55.3	59.3	47.1	48.5	52.5	56.3	43.6	44.9	48.6	52.2
		S/T	0.79	0.71	0.54	0.35	0.82	0.73	0.56	0.36	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.91	0.81	0.62	0.40
		KW	4.36	4.44	4.57	4.71	4.66	4.76	4.90	5.05	4.94	5.04	5.19	5.35	5.18	5.28	5.44	5.62	5.38	5.49	5.66	5.84	5.56	5.67	5.85	6.04
80	2240	MBh	58.8	60.1	64.2	68.7	57.5	58.7	62.7	67.1	56.1	57.3	61.2	65.5	54.7	55.9	59.7	63.9	52.0	53.1	56.8	60.7	48.2	49.2	52.6	56.2
		S/T	0.95	0.89	0.73	0.54	1.00	0.93	0.75	0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.83	0.62
		KW	4.49	4.57	4.71	4.85	4.81	4.90	5.05	5.21	5.09	5.19	5.35	5.52	5.34	5.45	5.62	5.80	5.55	5.67	5.85	6.03	5.74	5.86	6.04	6.24
	2000	MBh	57.1	58.4	62.4	66.7	55.8	57.0	60.9	65.1	54.5	55.6	59.5	63.6	53.1	54.3	58.0	62.0	50.5	51.6	55.1	58.9	46.8	47.8	51.0	54.6
		S/T	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.96	0.90	0.74	0.55	1.00	0.93	0.76	0.57	1.00	0.97	0.79	0.59	1.00	0.98	0.80	0.59
		KW	4.45	4.54	4.67	4.81	4.77	4.87	5.01	5.17	5.05	5.15	5.31	5.48	5.30	5.41	5.58	5.75	5.51	5.62	5.80	5.99	5.69	5.81	5.99	6.19
	1760	MBh	54.3	55.4	59.2	63.3	53.0	54.2	57.9	61.8	51.7	52.9	56.5	60.4	50.5	51.6	55.1	58.9	47.9	49.0	52.3	56.0	44.4	45.4	48.5	51.8
		S/T	0.87	0.82	0.66	0.50	0.90	0.85	0.69	0.51	0.92	0.87	0.71	0.53	0.95	0.89	0.73	0.54	0.99	0.93	0.76	0.56	1.00	0.94	0.76	0.57
		KW	4.39	4.47	4.60	4.74	4.70	4.79	4.94	5.09	4.97	5.08	5.23	5.39	5.22	5.32	5.49	5.66	5.42	5.54	5.71	5.89	5.60	5.72	5.90	6.09
85	2240	MBh	59.9	61.0	63.9	68.2	58.5	59.6	62.4	66.6	57.1	58.2	60.9	65.0	55.7	56.8	59.4	63.4	52.9	53.9	56.5	60.2	49.0	49.9	52.3	55.8
		S/T	1.00	0.96	0.87	0.70	1.00	1.00	0.90	0.73	1.00	1.00	0.92	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.99	0.80	1.00	1.00	1.00	0.81
		KW	4.52	4.61	4.74	4.89	4.84	4.94	5.09	5.25	5.13	5.23	5.40	5.56	5.38	5.49	5.66	5.84	5.60	5.71	5.89	6.08	5.78	5.90	6.09	6.29
	2000	MBh	58.1	59.2	62.0	66.2	56.8	57.9	60.6	64.6	55.4	56.5	59.2	63.1	54.1	55.1	57.7	61.6	51.4	52.3	54.8	58.5	47.6	48.5	50.8	54.2
		S/T	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.98	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.77	1.00	1.00	0.95	0.77
		KW	4.49	4.57	4.71	4.85	4.81	4.90	5.05	5.21	5.09	5.19	5.35	5.52	5.34	5.45	5.62	5.80	5.55	5.67	5.85	6.03	5.74	5.86	6.04	6.24
	1760	MBh	55.2	56.3	58.9	62.9	53.9	55.0	57.6	61.4	52.6	53.7	56.2	60.0	51.4	52.3	54.8	58.5	48.8	49.7	52.1	55.6	45.2	46.1	48.2	51.5
		S/T	0.91	0.88	0.79	0.64	0.94	0.91	0.82	0.67	0.97	0.93	0.84	0.68	1.00	0.96	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.91	0.74
		KW	4.42	4.51	4.64	4.78	4.73	4.83	4.97	5.13	5.01	5.11	5.27	5.43	5.26	5.37	5.53	5.71	5.46	5.58	5.75	5.94	5.64	5.76	5.94	6.14

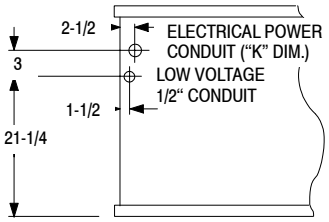
* Entering Indoor Temperature – Degrees F. Dry Bulb

Standard Rating

UNIT DIMENSIONS



Connections Detail



ALL DIMENSIONS IN INCHES

Unit Size	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Q	R	S	Inside Base Rail
3 Thru 5 Ton	36	47-3/8	73	4-5/8	15	12	18-3/4	18-3/4	12	4	1 - 1-1/4	4-1/4	5-1/4	12-1/4	19	15	19	12-1/4	68-3/4 x 43-1/8

*** NOTE:** The base rail width is 2-1/8 inches, all around base of unit.

MODEL IDENTIFICATION GUIDE

MODEL NUMBER	P	A	K	036	K	000	A

PRODUCT FAMILY
P = Single Package

A = AIR CONDITIONING

DESIGN SERIES

ENGINEERING DIGIT

OPTIONS

ELECTRICAL CHARACTERISTICS
K = 208 / 230-1-60

COOLING CAPACITY (NOMINAL BTUH)
036 = 3 Ton 042 = 3-1/2 Ton
048 = 4 Ton 060 = 5 Ton

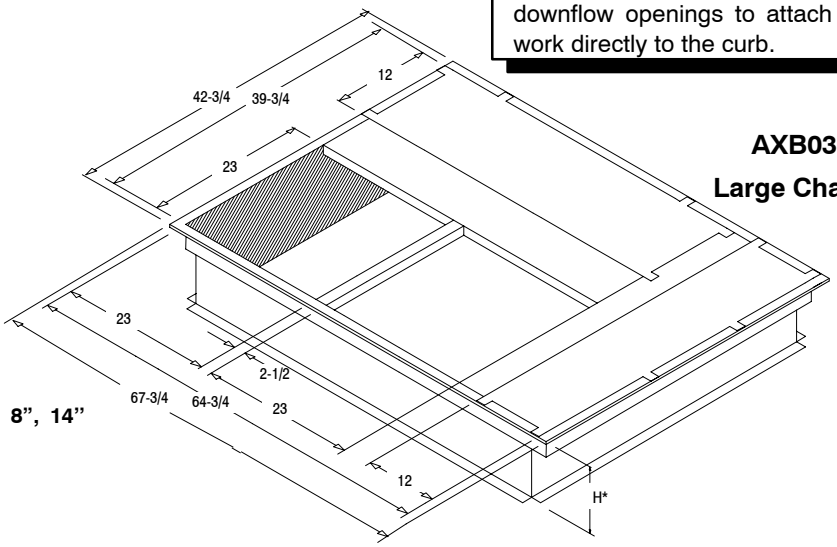
ROOF CURBS

Designed specifically for use with our package units.

Constructed of heavy gauge steel and designed for water tight installation, these curbs also have insulated top panels plus crossmembers on the downflow openings to attach the duct work directly to the curb.

AXB030C**

Large Chassis "C"



***ROOF CURBS ARE AVAILABLE IN 8", 14" AND 24" HEIGHTS**

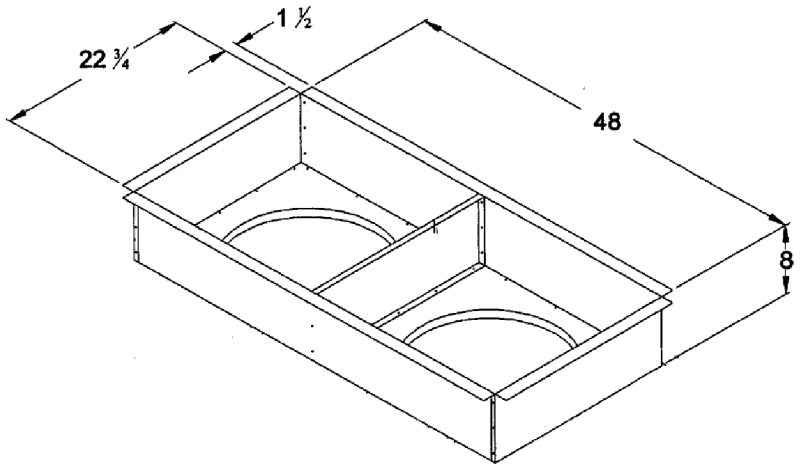
ALL DIMENSIONS IN INCHES

Height (H*)	Model Number	Used on
8"	AXB030CLA (56*)	3 to 5 Ton
14"	AXB030CMA (87*)	
24"	AXB030CHA (146*)	
* Installed weight in pounds		

CONCENTRIC DUCT KITS

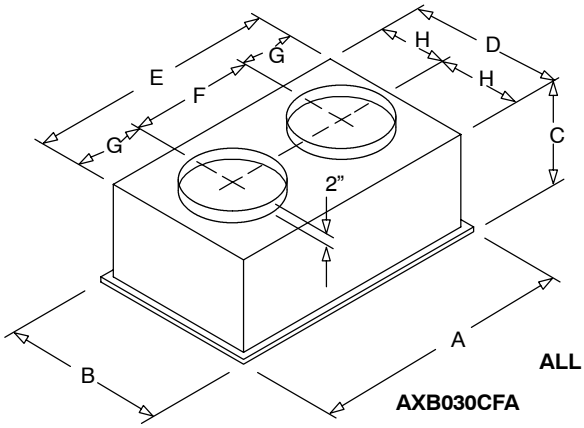
AXB030CTA

Designed to easily slip into the roof curb for use in attaching round duct to the concentric grilles.

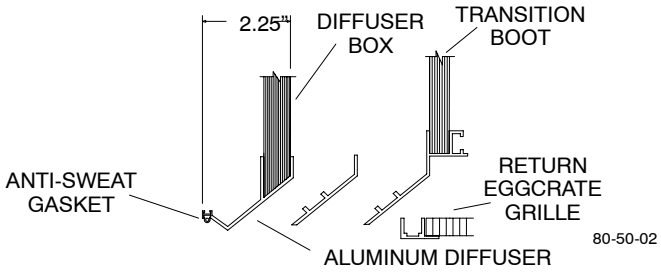


CFA SERIES FLUSH MOUNT CONCENTRIC DIFFUSER

The system consists of an aluminum supply diffuser with an aluminum eggcrate return. It has a permanent (not adhesive) anti-sweat gasket and hanging supports. Five ton and smaller units have a molded fiberglass interior transition.



AXB030CFA

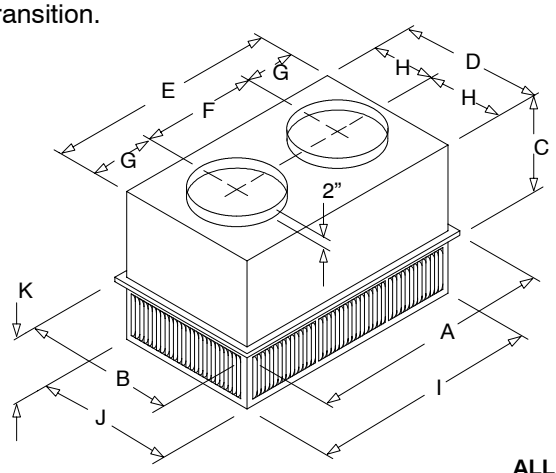


ALL DIMENSIONS IN INCHES

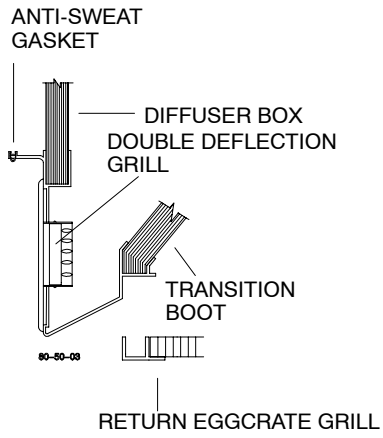
Model Number	Use With	A	B	C	D	E	F	G	H	Duct Size
AXB030CFA (35*)	3 to 5 Ton	47-5/8	23-5/8	13-1/2	21	45	22-1/2	11-1/4	10-1/2	18" RD
* Installed weight in pounds										

CSA SERIES STEP DOWN CONCENTRIC DIFFUSER

The system consists of an aluminum double deflection supply diffuser with an aluminum eggcrate return. ALL EXPOSED SURFACES (BELOW CEILING) ARE BRUSHED ALUMINUM. It has a permanent (not adhesive) anti-sweat gasket and hanging supports. Five (5) tons and smaller units have a molded fiberglass interior transition.



AXB080CSA

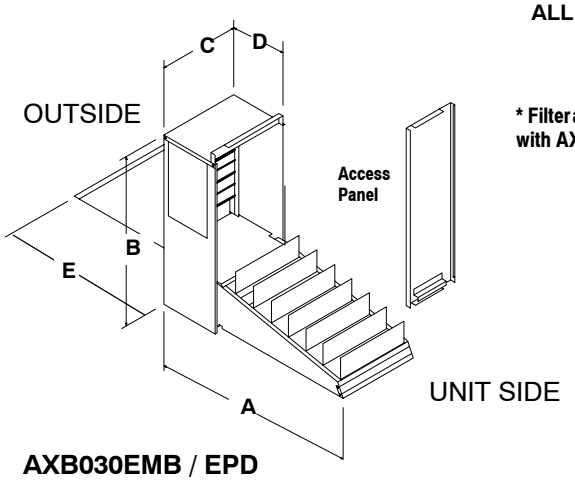


ALL DIMENSIONS IN INCHES

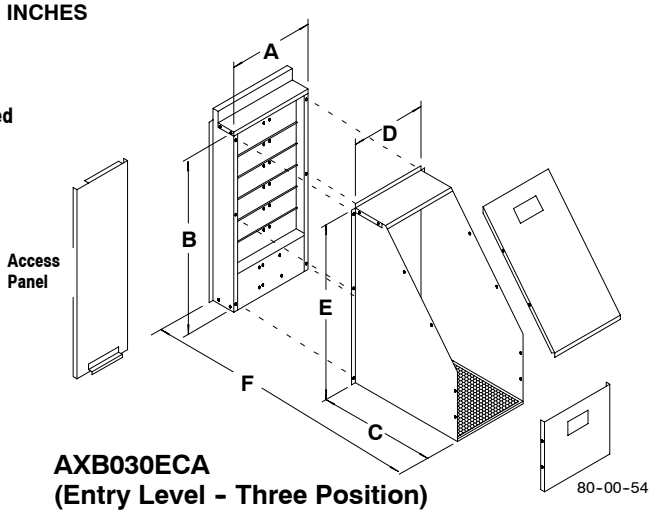
Model Number	Use With	A	B	C	D	E	F	G	H	I	J	K	Duct Size
AXB030CSA (55*)	3 to 5 Ton	47-5/8	23-5/8	11-3/8	21-1/2	45-1/2	22-1/2	11-1/2	10-3/4	45-1/2	21-1/2	7-1/8	18" RD
* Installed weight in pounds													

ECONOMIZERS/DOWNFLOW

ALL DIMENSIONS IN INCHES



*** Filter access panel included with AXB030.**



AXB030EMB / EPD (Modulating or Three Position)

Economizer Model No.	A	B	C	D	E
AXB030EMB/PD (112*)	35	31	14-3/4	10-7/8	22
* Installed weight in pounds					

AXB030ECA (Entry Level - Three Position)

Economizer Model No.	A	B	C	D	E	G
AXB030ECA (65*)	14-3/4	31	20-1/4	13	30	24
* Installed weight in pounds						

Description	Model Number (4)	Used on
Fully Modulating (1)	AXB030EMB	3 to 5 Ton
Three Position (2)	AXB030EPD	
Entry Level Three Position (3)	AXB030ECA	

NOTES:

(1)- Ambient/Enthalpy Control; Includes Return Air Damper & Relief Damper.
(2) - Ambient Control Only; Includes Return Air Damper & Relief Damper.
(3) - Ambient Control Only; No Return Air Damper; No Relief Damper.
(4) - For AXB030 Filters field supplied 20" x 30" x 2" (2 needed). Filter retainers can be ordered thru Service Parts, part number 1054517.

All Economizers Feature Enthalpy and/or ambient temperature control providing outdoor air ventilation and "free cooling" when outdoor conditions are favorable.

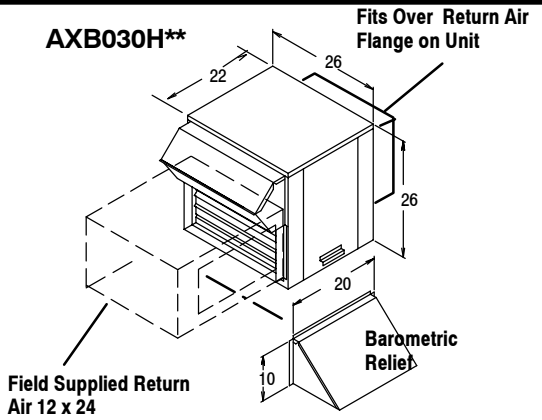
Return Air and Pressure Relief dampers for proper air balance, on most models.

Interconnecting wiring furnished.

Center controlled dual action dampers with gaskets to provide proper seal.

ECONOMIZERS/HORIZONTAL

AXB030H**



Description	Model Number	Used on
Fully Modulating (1)	AXB030HEB (120*)	3 to 5 Ton
Three Position (2)	AXB030HPD (120*)	
* Installed weight in pounds		

NOTES:

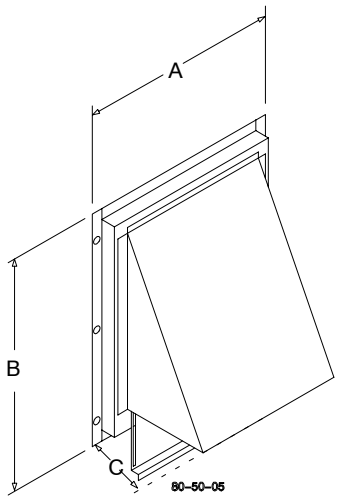
(1)- Ambient/Enthalpy Control; Includes Return Air Damper & Relief Damper.
(2) - Ambient Control Only; Includes Return Air Damper & Relief Damper.

OUTDOOR AIR DAMPERS

Description	Model Number	Used on
Manual 0-25%	AXB030FAB	3 to 5 Ton
Motorized 0-25%	AXB030FMB	3 to 5 Ton

DIMENSIONS (Inches)				
Model #	**A**	**B**	**C**	**Used on**
AXB030FAB/FMB	13-3/4	20-1/4	7	3 to 5 Ton

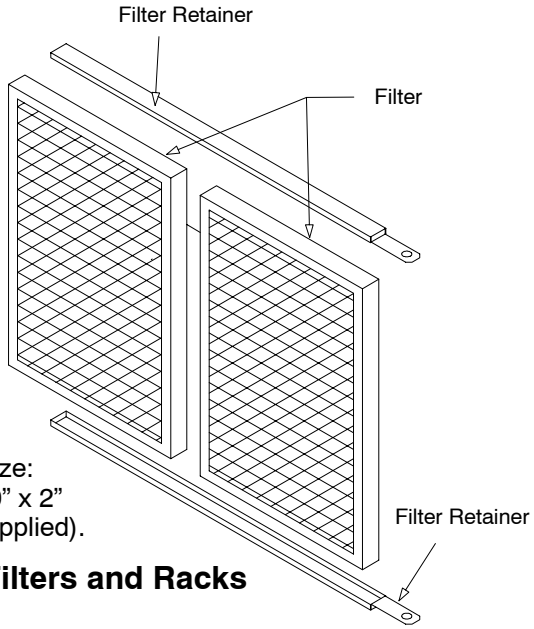
AXB030F__B



FILTERS AND ACCESSORIES

Internal Filters and Racks

Description	Model Number *	Used on
Internal Filter Retainer (2Required)	1054517	3 to 5 Ton
Internal Filter (2Required)	1054503	3 to 5 Ton
Handle, Door** Filter Access	1068209	3 to 5 Ton



Filter size:
20” x 30” x 2”
(field supplied).

Internal Filters and Racks

* Available through Service Parts only.
** Handle may also be used with any other unit not shipped with handle installed.

LOW AMBIENT CONTROLS

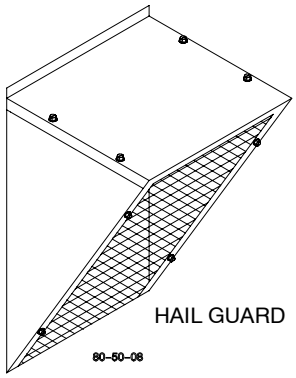
Description	Service Parts Number*	Used on
To 0º F	1148233	3 to 5 Ton

*Available through Service Parts only.

COIL PROTECTION

Description	Part/Model Number	Used on
Hail Guard (3 pc.)	AXB030HGB 1065342 *	3 to 5 Ton

*Available through Service Parts only.



OUTDOOR THERMOSTATS

Description	Order Number	For use with
Outdoor Thermostat Kit	AMA001OTB (2-Stage)	3 to 5 TON w/ 15 KW and Above Heater
Outdoor Thermostat Kit	AMA002OTB (4-Stage)	3 to 5 TON w/ 25 KW and Above Heater

SINGLE POINT WIRING KITS

Description	Order Number	For use with*
Single Point Wiring Kit	AXB030SPA	3 to 5 Ton

* For use with single and three phase units 208-230 volt only.

ELECTRICAL DATA - ELECTRIC HEAT ACCESSORY (3 - 5 TON)

Heater Model	Use With	Supply Voltage	KW Rating	Total Heating BTUH	Supply Circuit No.	Heater Amps	Mininum Circuit Ampacity	Maximum Overcurrent Protective Device (Amps)
AEB005BKA	3 thru 5 Ton	240-1-60	5.0	17,065	L3 - L4	20.8	26.0	30
		208-1-60	3.8	12,969	L3 - L4	18.2	22.8	25
AEB010CKA	3 thru 5 Ton	240-1-60	10.0	34,130	L3 - L4	41.7	52.5	60
		208-1-60	7.5	25,598	L3 - L4	36.1	45.1	50
		208-1-60	11.3	38,567	L3 - L4 L5 - L6	36.1 18.2	45.1 22.8	50 25
AEB015CKA	3 thru 5 Ton	240-1-60	15.0	51,195	L3 - L4 L5 - L6	41.7 20.8	52.5 26.0	60 30
		208-1-60	11.3	38,567	L3 - L4 L5 - L6	36.1 18.2	45.1 22.8	50 25
AEB020CKA	3 thru 5 Ton	240-1-60	20.0	68,260	L3 - L4 L5 - L6	41.7 41.7	52.5 52.5	60 60
		208-1-60	15.0	51,195	L3 - L4 L5 - L6	36.1 36.1	45.1 45.1	50 50
AEB025CKA	4 & 5 Ton	240-1-60	25.0	85,325	L3 - L4 L5 - L6 L5 - L8	41.7 41.7 20.8	52.1 52.1 26.0	60 60 30
		208-1-60	18.8	64,164	L3 - L4 L5 - L6 L7 - L8	36.1 36.1 18.2	45.1 45.1 22.8	50 50 25
AEB030CKA	4 & 5 Ton	240-1-60	30.0	102,390	L3 - L4 L5 - L6 L5 - L8	41.7 41.7 41.7	52.1 52.1 52.1	60 60 60
		208-1-60	22.5	76,793	L3 - L4 L5 - L6 L7 - L8	36.1 36.1 36.1	45.1 45.1 45.1	50 50 50

*** TEMPERATURE RISE MUST NOT EXCEED 60° F.**

GUIDE SPECIFICATIONS
For PAK Series, 13 SEER A/C
3 to 5 Ton

GENERAL

Each model shall be a single package cooling unit. All factory wiring, piping, controls, refrigerant charge (R22) and features will be contained within one cabinet. Unit shall be have convertible discharge and capable of being installed on the ground or on a rooftop. Supply and return should be side by side. The unit shall be shipped in a horizontal discharge configuration, with down-flow conversion made easy.

CABINET

The unit cabinet shall be constructed of 20 gauge pre-painted galvanized steel, consisting of a polyester top coat, a urethane primer coat, preceded by an oxide pretreatment. Cabinet shall have a one-piece weather resistant top.

The base rails shall have 18 gauge steel with fork lift slots on three sides for maneuvering. Holes in the base rails shall also be provided for lifting shackles to facilitate overhead rigging.

The evaporator-fan cabinet interior shall be insulated with a minimum 3/4" thick flexible fiberglass insulation coated on the air side. Aluminum foil-faced fiberglass insulation shall be used in the heating-compartment.

Cabinet panels shall be easy to remove when servicing the unit.

FANS

All units should have a direct-drive evaporator blower motor as standard, with sleeve bearings and internal overload protection.

The condenser fan shall have a single direct-drive propeller-fan/ motor assembly. The assembly shall be mounted directly to a vertical-discharge grille that is easily removed for service. Condenser fan motor should have sleeve bearings and internal overload protection.

COILS

The evaporator and condenser coils shall be fabricated with aluminum fins mechanically bonded to copper tubing. The condenser coil shall be made of black pre-painted fin stock. Both coils shall be pressure tested prior to installation into the unit and electronically leak tested after assembly into the unit.

REFRIGERANT CIRCUIT COMPONENTS

All units shall contain:

1. A single fully hermetic scroll compressor with internal overload protection.
2. Thermostat Expansion Valve (TXV) to control refrigerant flow.
3. Filter driers
4. Externally mounted gauge ports for accurate reading of operating conditions while servicing.

CONTROLS

The unit shall contain:

1. 208/230 single phase voltage
2. A low-voltage control circuit protected by a fuse on the 24-v transformer side.
3. Compressor over-temperature, over-current
4. Schrader ports to allow field installed high and low pressure switches or low ambient switches.

MOTORS

1. Compressor motor shall be cooled by refrigerant passing through motor windings and shall have line break thermal and current overload protection.
2. Indoor blower (evaporator fan) motor shall have permanently lubricated bearings and automatic reset thermal overload protection.
3. Total enclosed condenser fan motor shall have permanently lubricated bearings and automatic reset thermal overload protection.
4. Induced draft motor shall have permanently lubricated bearings and automatic reset thermal overload protection.

EFFICIENCY AND PERFORMANCE

All units shall have a minimum efficiency rating of 13.0 SEER
All units shall have air flow capability of 400 CFM per ton (nominal) @ .5" ESP

OTHER STANDARD FEATURES

All units shall have factory installed coil guards.

ACCESSORIES

1. Roof Curbs - 8", 14" and 24" high.
2. Economizers - Airflow capability shall be a minimum of 350 CFM (nominal) per ton @ .5"ESP with economizer installed on the units
   Fully Modulating Downflow & Horizontal
   Three Position both Downflow & Horizontal)
3. Outdoor Fresh Air Dampers (Manual and Motorized)
4. Concentric Duct Kits
5. Concentric Diffusers (both Flush and Step Down)
6. Hail Guard and Coil Guards
8. Auxiliary Electric Heaters for A/C models (5 to 20 kW models for all tonnages) and 25 and 30 kw for 4 and 5 ton models.
9. Low Ambient Control Switch
10. Freeze protection thermostat for the evaporator coil.
11. Outdoor Thermostats.
12. Single Point Wiring Kits
13. Filter Accessories

QUALITY ASSURANCE

- Unit shall be rated in accordance with the ARI Standards 210/240 or 360.
- Unit shall be designed to conform to ASHRAE standards latest revision, and in accordance with UL.
- Unit(s) shall be stored and handled per manufacturer's recommendations.