



APFM

Product Specifications

10 SEER PACKAGE AIR CONDITIONER UNIT (3 Phase) 38 to 58 MBtuh

REFRIGERATION CIRCUIT

- 3 to 4 ton uses reciprocating compressors, 5 ton uses a scroll.
- 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. Heavy gauge base rails.
- Triple-coated steel, consisting of a Polyester top coat, a urethane primer coat preceded by an oxide pretreatment.
- Integral base rails with fork-lift access. Holes provided for lifting lugs makes rooftop installation easier.
- The condenser coil has a sturdy wire inlet grille and UV rated vinyl mesh installed on the surface of the coil for additional protection.



EASY TO INSTALL AND SERVICE

- Combination electric cooling and heat, self contained for year-round comfort. Systems installed on rooftop or ground level. The unit is shipped in the horizontal position and can easily be converted to downflow.
- Externally-mounted gauge ports allow for more accurate reading of operating conditions while servicing.
- Electrical controls located behind one exterior panel for easier maintenance.



ELECTRIC HEAT

- 5 to 20 kw.

WARRANTY

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

UNIT PERFORMANCE DATA

MODEL NUMBER	Voltage- Phase- Hz	Rated Capacity ¹ BTUH	S.E.E.R.	E.E.R.	Unit Dimensions H X W X L	Shipping Weight
APFM36H000	208/230-3-60	38,000	10.0	8.5	29-1/2 x 47-1/2 x 47-1/2	365
APFM36L000	460-3-60	38,000	10.0	8.5	29-1/2 x 47-1/2 x 47-1/2	365
APFM48H000	208/230-3-60	45,500	10.0	9.1	37-1/2 x 47-1/2 x 47-1/2	495
APFM48L000	460-3-60	45,500	10.0	9.1	37-1/2 x 47-1/2 x 47-1/2	495
APFM60H000	208/230-3-60	58,000	10.0	8.7	37-1/2 x 47-1/2 x 47-1/2	510
APFM60L000	460-3-60	58,000	10.0	8.7	37-1/2 x 47-1/2 x 47-1/2	510

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UNIT SPECIFICATIONS

MODEL * NUMBER	Electrical Data			Condenser Data								BELS
				Coil			Fan Motor		Fan			
	Voltage Phase - Hz	HACR Breaker / Max. Fuse	Ampacity	Total Face Area (Sq. Ft.)	Fins Per In. / Rows	Tube Diameter (In.)	HP	Full Load Amps	Size Diameter (In.)	Number Blades / Pitch°	CFM (Max.)	
APFM36H000	208-230-3-60	30 amps.	19.7	11.38	20 / 1	3/8	1/3	1.9	20.3	3 / 27	2800	7.8
APFM36L000	460-3-60	15 amps.	10	11.38	20 / 1	3/8	1/3	.74	20.3	3 / 27	2800	7.8
APFM48H000	208-230-3-60	35 amps.	24.7	10.5	20 / 2	3/8	1/3	1.9	20.3	3 / 27	3000	7.8
APFM48L000	460-3-60	15 amps.	10.4	10.5	20 / 2	3/8	1/3	.74	20.3	3 / 27	3000	7.8
APFM60H000	208-230-3-60	45 amps.	30.6	14.9	20 / 2	3/8	1/3	1.9	20.3	4 / 25	3300	8.0
APFM60L000	460-3-60	20 amps.	13.7	14.9	20 / 2	3/8	1/3	.74	20.3	4 / 25	3300	8.0

MODEL NUMBER	Evaporator Coil								Compressor			Factory Refrigerant Charge R-22 (Oz.)	Ship Weight (Lbs.)
	Coil			Blower H.P. / Type / Speeds	Motor	Blower			Type	Rated Load Amps	Locked Rotor Amps		
	Total Face Area (Sq. Ft.)	Fins Per In. / Rows	Tube Diam. (In.)		Full Load Amps	Type & Size	RPM (Max)	CFM Rated					
APFM36H000	3.67	14 / 3	3/8	1/3 / PSC / 3	3.1	DD10-8A	1100	1250	Recip	11.8	85	87	320
APFM36L000	3.67	14 / 3	3/8	1/2 / PSC / 3	2.0	DD10-8A	1100	1250	Recip	5.8	42	87	320
APFM48H000	5.33	14 / 3	3/8	3/4 / PSC / 3	6.0	DD11-11A	1100	1600	Recip	13.4	91	102	375
APFM48L000	5.33	14 / 3	3/8	1 / PSC / 3	2.1	DD11-11A	1100	1600	Recip	6.1	42	102	375
APFM60H000	5.33	14 / 4	3/8	1 / PSC / 4	6.0	DD11-11A	1100	2000	Scroll	18.2	124	136	380
APFM60L000	5.33	14 / 4	3/8	1 / PSC / 3	2.1	DD11-11A	1100	2000	Scroll	8.7	59.6	136	380

Air Filters - 3 ton use 12 x 25 x 1 (2 ea), 4 & 5 ton use 14 x 25 x 1 (2 ea).

PERFORMANCE DATA: COOLING

MODEL NUMBER	Rated Capacity ¹ BTUH	S / T Ratio	S.E.E.R.	E.E.R. ³	Power Input Watts	Evaporator Rated Airflow (SCFM)	Ext. Static ² Pressure Drop Wet
APFM36	38,000	.75	10.0	8.5	4471	1250	.3
APFM48	45,500	.79	10.0	9.1	5000	1600	.3
APFM60	58,000	.75	10.0	8.7	6629	2000	.3

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

² Includes a .08 drop for a filter

³ For reference only

Blower Performance Data in Horizontal Configuration						ARI Minimum Static Without Filter	Actual Capacity Rating	ARI Minimum Allowable Airflow - 350 CFM/ton**
UNIT SIZE	Motor Speed	Air Delivery in CFM at ESP (in. W.C.)						
		0.20	0.30	0.40	0.50	inches of water	BTU/hr	CFM
3 TON	HI	1606	1534	1459	1382	0.23	34200	998
	MD	1384	1326	1271	1213	0.23	34200	998
	LO	1084	1053	1024	n/a	0.23	34200	998
4 TON	HI	2607	2564	2440	2354	0.28	45600	1330
	MD	1987	1978	1940	1879	0.28	45600	1330
	LO	1594	1596	1580	1556	0.28	45600	1330
5 TON	HI	2441	2362	2240	2169	0.28	58600	1709
	MD HI	2392	2313	2219	2124	0.28	58600	1709
	MD LO	2253	2188	2107	2009	0.28	58600	1709
	LO	2178	2108	2046	1946	0.28	58600	1709

Blower Performance is for Horizontal Configuration without Accessories.

Air delivery against shown external static pressures taken with 230V to unit and dry coil. For wet coil subtract approximately 25 CFM. Add .08 static for internal filters.

** Applied to the ACTUAL capacity rating

ELECTRICAL DATA: ELECTRIC HEAT ACCESSORY

HEATER MODEL	Used With	Supply Voltage	Nominal Heating BTUH	Supply Circuit No.	Heater Amps	Minimum Circuit Ampacity	Maximum Overcurrent Protective Device (Amps)
AAH10FBHAA	3 - 5 Ton	208-3-60	24,574	L4-L5-L6	20.0	25.0	30
		240-3-60	32,765	L4-L5-L6	23.1	28.9	30
AAH10FBLAA		480-3-60	32,765	L4-L5-L6	11.5	14.4	15
AAH15FBHAA	3 - 5 Ton	208-3-60	36,860	L4-L5-L6	30.0	37.5	40
		240-3-60	49,147	L4-L5-L6	34.6	43.3	45
AAH15FBLAA		480-3-60	49,147	L4-L5-L6	17.3	21.7	25
AAH20FBHAA	3 - 5 Ton	208-3-60	49,147	L4-L5-L6	40.0	50.0	60
		240-3-60	65,530	L4-L5-L6	46.2	57.8	60
AAH20FBLAA		480-3-60	65,530	L4-L5-L6	23.1	28.9	30

Heater Model	Use With	Supply Voltage	KW Rating	Total Heating BTUH	*Temperature Rise °F @ CFM								
					600	800	1000	1200	1400	1600	1800	2000	2200
AAH10	3 - 5 Ton	240-3-60	9.6	32,765	50.6	37.9	30.3	25.3	21.7	19.0	16.9	15.2	13.8
		208-3-60	7.2	24,574	37.9	28.4	22.8	19.0	16.3	14.2	12.6	11.4	10.3
AAH15	3 - 5 Ton	240-3-60	14.4	49,147	---	56.9	45.5	37.9	32.5	28.4	25.3	22.8	20.7
		208-3-60	10.8	36,860	56.9	42.7	34.1	28.4	24.4	21.3	19.0	17.1	15.5
AAH20	3 - 5 Ton	240-3-60	19.2	65,530	---	---	---	50.6	43.3	37.9	33.7	30.3	27.6
		208-3-60	14.4	49,147	---	56.9	45.5	37.9	32.5	28.4	25.3	22.8	20.7

EXPANDED PERFORMANCE DATA (COOLING) - 3 TON (GROSS DATA)

Airflow IDB* CFM		Outdoor Ambient Temperature - Degrees F. Dry Bulb																								
		65				75				85				95				105				115				
		Entering Indoor Temperature - Degrees F. Wet Bulb																								
		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	39.7	41.1	45.1	-	38.8	40.2	44.0	-	37.8	39.2	43.0	-	36.9	38.3	41.9	-	35.1	36.4	39.8	-	32.5	33.7	36.9	-
		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	3.48	3.55	3.65	-	3.73	3.81	3.92	-	3.95	4.03	4.16	-	4.15	4.23	4.36	-	4.31	4.40	4.54	-	4.45	4.55	4.69	-
	1200	MBh	38.5	39.9	43.8	-	37.6	39.0	42.7	-	36.7	38.1	41.7	-	35.8	37.1	40.7	-	34.1	35.3	38.7	-	31.5	32.7	35.8	-
		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	3.46	3.52	3.63	-	3.70	3.78	3.89	-	3.92	4.00	4.12	-	4.11	4.20	4.33	-	4.28	4.37	4.50	-	4.42	4.51	4.66	-
1056	MBh	36.6	37.9	41.6	-	35.8	37.1	40.6	-	34.9	36.2	39.6	-	34.1	35.3	38.7	-	32.3	33.5	36.7	-	30.0	31.1	34.0	-	
	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	3.40	3.47	3.57	-	3.65	3.72	3.83	-	3.86	3.94	4.06	-	4.05	4.13	4.26	-	4.21	4.30	4.43	-	4.35	4.44	4.58	-	
75	1344	MBh	40.4	41.6	45.0	48.3	39.4	40.6	43.9	47.2	38.5	39.6	42.9	46.0	37.5	38.7	41.8	44.9	35.7	36.7	39.7	42.7	33.0	34.0	36.8	39.5
		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	3.51	3.58	3.68	3.79	3.76	3.84	3.95	4.07	3.98	4.06	4.19	4.32	4.18	4.27	4.40	4.54	4.35	4.44	4.58	4.73	4.49	4.59	4.73	4.89
	1200	MBh	39.2	40.3	43.7	46.9	38.3	39.4	42.7	45.8	37.4	38.5	41.6	44.7	36.5	37.5	40.6	43.6	34.6	35.7	38.6	41.4	32.1	33.0	35.7	38.4
		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	3.48	3.55	3.65	3.76	3.73	3.81	3.92	4.04	3.95	4.03	4.16	4.29	4.15	4.23	4.37	4.50	4.31	4.40	4.54	4.69	4.46	4.55	4.69	4.85
1056	MBh	37.2	38.3	41.5	44.5	36.4	37.4	40.5	43.5	35.5	36.5	39.6	42.5	34.6	35.7	38.6	41.4	32.9	33.9	36.7	39.3	30.5	31.4	34.0	36.4	
	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	3.43	3.50	3.60	3.71	3.67	3.75	3.86	3.98	3.89	3.97	4.09	4.22	4.08	4.17	4.30	4.43	4.24	4.33	4.47	4.61	4.38	4.48	4.62	4.77	
80	1344	MBh	41.1	42.0	44.8	47.9	40.1	41.0	43.8	46.8	39.2	40.0	42.8	45.7	38.2	39.0	41.7	44.6	36.3	37.1	39.6	42.4	33.6	34.4	36.7	39.2
		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	3.53	3.60	3.71	3.82	3.79	3.87	3.98	4.11	4.01	4.10	4.22	4.36	4.21	4.30	4.44	4.58	4.38	4.47	4.62	4.76	4.53	4.62	4.77	4.93
	1200	MBh	39.9	40.8	43.5	46.5	39.0	39.8	42.5	45.5	38.0	38.9	41.5	44.4	37.1	37.9	40.5	43.3	35.2	36.0	38.5	41.1	32.6	33.4	35.6	38.1
		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	3.51	3.58	3.68	3.79	3.76	3.84	3.95	4.07	3.98	4.06	4.19	4.32	4.18	4.27	4.40	4.54	4.35	4.44	4.58	4.73	4.49	4.59	4.73	4.89
1056	MBh	37.9	38.7	41.4	44.2	37.0	37.8	40.4	43.2	36.1	36.9	39.4	42.2	35.2	36.0	38.5	41.1	33.5	34.2	36.6	39.1	31.0	31.7	33.9	36.2	
	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	3.46	3.52	3.63	3.74	3.70	3.78	3.89	4.01	3.92	4.00	4.12	4.25	4.11	4.20	4.33	4.47	4.28	4.37	4.50	4.65	4.42	4.51	4.66	4.81	
85	1344	MBh	41.8	42.6	44.6	47.6	40.8	41.6	43.6	46.5	39.9	40.6	42.5	45.4	38.9	39.6	41.5	44.3	36.9	37.6	39.4	42.1	34.2	34.9	36.5	39.0
		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	3.56	3.63	3.74	3.85	3.82	3.90	4.01	4.14	4.04	4.13	4.26	4.39	4.25	4.33	4.47	4.61	4.42	4.51	4.65	4.80	4.56	4.66	4.81	4.97
	1200	MBh	40.6	41.4	43.3	46.2	39.6	40.4	42.3	45.1	38.7	39.4	41.3	44.1	37.7	38.5	40.3	43.0	35.9	36.6	38.3	40.8	33.2	33.9	35.5	37.8
		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	3.53	3.60	3.71	3.82	3.79	3.87	3.98	4.11	4.01	4.10	4.22	4.36	4.21	4.30	4.44	4.58	4.38	4.47	4.62	4.76	4.53	4.62	4.77	4.93
1056	MBh	38.5	39.3	41.2	43.9	37.7	38.4	40.2	42.9	36.8	37.5	39.2	41.9	35.9	36.6	38.3	40.8	34.1	34.7	36.4	38.8	31.6	32.2	33.7	35.9	
	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	3.48	3.55	3.65	3.76	3.73	3.81	3.92	4.04	3.95	4.03	4.16	4.29	4.15	4.23	4.36	4.50	4.31	4.40	4.54	4.69	4.45	4.55	4.69	4.85	

* Entering Indoor Temperature - Degrees F. Dry Bulb 40.5 Standard Rating

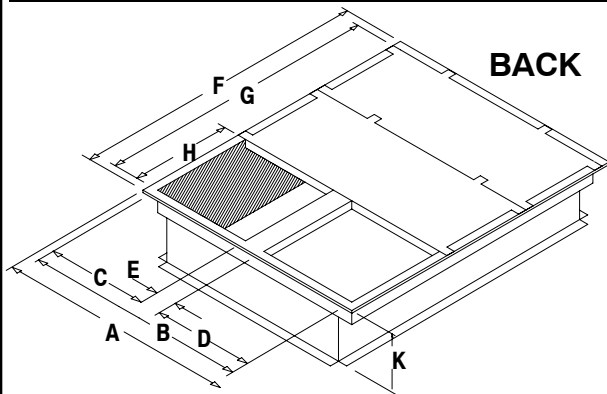
EXPANDED PERFORMANCE DATA (COOLING) - 4 TON (GROSS DATA)

Airflow IDB* CFM			Outdoor Ambient Temperature - Degrees F. Dry Bulb																							
			65				75				85				95				105				115			
			Entering Indoor Temperature - Degrees F. Wet Bulb																							
			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	1792	MBh	47.4	49.2	53.9	-	46.3	48.0	52.6	-	45.2	46.9	51.4	-	44.1	45.7	50.1	-	41.9	43.4	47.6	-	38.8	40.2	44.1	-
		S/T	0.79	0.66	0.46	-	0.82	0.69	0.48	-	0.84	0.70	0.49	-	0.87	0.73	0.50	-	0.90	0.75	0.52	-	0.91	0.76	0.53	-
		KW	3.98	4.05	4.17	-	4.25	4.34	4.47	-	4.50	4.59	4.73	-	4.72	4.81	4.96	-	4.90	5.00	5.16	-	5.06	5.17	5.33	-
	1600	MBh	46.0	47.7	52.3	-	45.0	46.6	51.1	-	43.9	45.5	49.9	-	42.8	44.4	48.6	-	40.7	42.2	46.2	-	37.7	39.1	42.8	-
		S/T	0.76	0.63	0.44	-	0.78	0.66	0.45	-	0.80	0.67	0.47	-	0.83	0.69	0.48	-	0.86	0.72	0.50	-	0.87	0.73	0.50	-
		KW	3.95	4.02	4.14	-	4.22	4.31	4.43	-	4.47	4.56	4.69	-	4.68	4.78	4.92	-	4.86	4.96	5.12	-	5.02	5.13	5.29	-
1408	MBh	43.7	45.3	49.7	-	42.7	44.3	48.5	-	41.7	43.2	47.4	-	40.7	42.2	46.2	-	38.7	40.1	43.9	-	35.8	37.1	40.7	-	
	S/T	0.72	0.61	0.42	-	0.75	0.63	0.43	-	0.77	0.64	0.45	-	0.80	0.66	0.46	-	0.83	0.69	0.48	-	0.83	0.70	0.48	-	
	KW	3.89	3.96	4.08	-	4.16	4.24	4.37	-	4.40	4.49	4.62	-	4.61	4.70	4.85	-	4.79	4.89	5.04	-	4.94	5.05	5.20	-	
75	1792	MBh	48.2	49.7	53.8	57.7	47.1	48.5	52.5	56.3	46.0	47.3	51.3	55.0	44.9	46.2	50.0	53.7	42.6	43.9	47.5	51.0	39.5	40.7	44.0	47.2
		S/T	0.90	0.81	0.61	0.39	0.93	0.84	0.63	0.41	0.96	0.86	0.65	0.42	0.99	0.88	0.67	0.43	1.00	0.92	0.70	0.45	1.00	0.93	0.70	0.45
		KW	4.00	4.08	4.20	4.32	4.29	4.37	4.50	4.64	4.53	4.63	4.77	4.91	4.75	4.85	5.00	5.16	4.94	5.04	5.20	5.36	5.10	5.21	5.37	5.54
	1600	MBh	46.8	48.2	52.2	56.0	45.7	47.1	51.0	54.7	44.6	46.0	49.8	53.4	43.6	44.8	48.5	52.1	41.4	42.6	46.1	49.5	38.3	39.5	42.7	45.8
		S/T	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.91	0.82	0.62	0.40	0.94	0.84	0.64	0.41	0.98	0.88	0.66	0.43	0.99	0.88	0.67	0.43
		KW	3.98	4.05	4.17	4.29	4.25	4.34	4.47	4.60	4.50	4.59	4.73	4.87	4.72	4.81	4.96	5.12	4.90	5.00	5.16	5.32	5.06	5.17	5.33	5.50
1408	MBh	44.5	45.8	49.6	53.2	43.5	44.7	48.4	52.0	42.4	43.7	47.3	50.7	41.4	42.6	46.1	49.5	39.3	40.5	43.8	47.0	36.4	37.5	40.6	43.6	
	S/T	0.82	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.94	0.84	0.64	0.41	0.95	0.85	0.64	0.41	
	KW	3.92	3.99	4.11	4.23	4.19	4.27	4.40	4.53	4.43	4.52	4.66	4.80	4.65	4.74	4.88	5.04	4.83	4.93	5.08	5.24	4.98	5.09	5.24	5.41	
80	1792	MBh	49.1	50.2	53.6	57.3	47.9	49.0	52.3	56.0	46.8	47.8	51.1	54.6	45.7	46.7	49.9	53.3	43.4	44.3	47.4	50.6	40.2	41.1	43.9	46.9
		S/T	1.00	0.93	0.76	0.56	1.00	0.96	0.78	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.86	0.64	1.00	1.00	0.87	0.65
		KW	4.03	4.11	4.23	4.36	4.32	4.40	4.53	4.67	4.57	4.66	4.80	4.95	4.79	4.89	5.04	5.20	4.98	5.08	5.24	5.41	5.14	5.25	5.41	5.59
	1600	MBh	47.7	48.7	52.0	55.6	46.6	47.6	50.8	54.3	45.4	46.4	49.6	53.0	44.3	45.3	48.4	51.7	42.1	43.0	46.0	49.2	39.0	39.9	42.6	45.5
		S/T	0.94	0.88	0.72	0.54	0.98	0.92	0.75	0.56	1.00	0.94	0.77	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.83	0.62
		KW	4.01	4.08	4.20	4.32	4.29	4.37	4.50	4.64	4.54	4.63	4.77	4.91	4.75	4.85	5.00	5.16	4.94	5.04	5.20	5.36	5.10	5.21	5.37	5.54
1408	MBh	45.3	46.3	49.4	52.8	44.2	45.2	48.3	51.6	43.2	44.1	47.1	50.4	42.1	43.0	46.0	49.2	40.0	40.9	43.7	46.7	37.1	37.9	40.5	43.3	
	S/T	0.90	0.85	0.69	0.52	0.94	0.88	0.71	0.53	0.96	0.90	0.73	0.55	0.99	0.93	0.76	0.57	1.03	0.96	0.79	0.59	1.04	0.97	0.79	0.59	
	KW	3.95	4.02	4.14	4.26	4.22	4.31	4.43	4.57	4.47	4.56	4.69	4.84	4.68	4.78	4.92	5.07	4.86	4.96	5.12	5.28	5.02	5.13	5.29	5.45	
85	1792	MBh	49.9	50.9	53.3	56.9	48.8	49.7	52.1	55.6	47.6	48.5	50.8	54.2	46.5	47.4	49.6	52.9	44.1	45.0	47.1	50.3	40.9	41.7	43.7	46.6
		S/T	1.00	1.00	0.90	0.73	1.00	1.00	0.94	0.76	1.00	1.00	0.96	0.78	1.00	1.00	0.99	0.80	1.00	1.00	0.90	0.83	1.00	1.00	0.90	0.84
		KW	4.06	4.14	4.26	4.39	4.35	4.44	4.57	4.71	4.60	4.70	4.84	4.99	4.83	4.93	5.08	5.24	5.02	5.12	5.28	5.45	5.18	5.29	5.46	5.63
	1600	MBh	48.5	49.4	51.8	55.2	47.4	48.3	50.6	53.9	46.2	47.1	49.4	52.7	45.1	46.0	48.2	51.4	42.9	43.7	45.8	48.8	39.7	40.5	42.4	45.2
		S/T	0.99	0.95	0.86	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.94	0.77	1.00	1.00	0.98	0.80	1.00	1.00	0.99	0.80
		KW	4.03	4.11	4.23	4.36	4.32	4.40	4.53	4.67	4.57	4.66	4.80	4.95	4.79	4.89	5.04	5.20	4.98	5.08	5.24	5.41	5.14	5.25	5.41	5.59
1408	MBh	46.1	47.0	49.2	52.5	45.0	45.9	48.0	51.2	43.9	44.8	46.9	50.0	42.9	43.7	45.8	48.8	40.7	41.5	43.5	46.4	37.7	38.4	40.3	43.0	
	S/T	0.95	0.91	0.83	0.67	0.98	0.95	0.86	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.73	1.00	1.00	0.94	0.76	1.00	1.00	0.95	0.77	
	KW	3.98	4.05	4.17	4.29	4.25	4.34	4.47	4.60	4.50	4.59	4.73	4.87	4.72	4.81	4.96	5.11	4.90	5.00	5.16	5.32	5.06	5.17	5.33	5.50	

EXPANDED PERFORMANCE DATA (COOLING) - 5 TON (GROSS DATA)

Airflow IDB* CFM			Outdoor Ambient Temperature - Degrees F. Dry Bulb																							
			65				75				85				95				105				115			
			Entering Indoor Temperature - Degrees F. Wet Bulb																							
			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	60.5	62.7	68.7	-	59.1	61.2	67.1	-	57.6	59.8	65.5	-	56.2	58.3	63.9	-	53.4	55.4	60.7	-	49.5	51.3	56.2	-
		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	5.23	5.34	5.49	-	5.61	5.72	5.89	-	5.93	6.05	6.24	-	6.22	6.35	6.55	-	6.47	6.60	6.81	-	6.68	6.82	7.04	-
	2000	MBh	58.7	60.8	66.7	-	57.3	59.4	65.1	-	56.0	58.0	63.6	-	54.6	56.6	62.0	-	51.9	53.8	58.9	-	48.1	49.8	54.6	-
		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	5.20	5.30	5.45	-	5.56	5.67	5.84	-	5.89	6.01	6.19	-	6.17	6.30	6.50	-	6.42	6.55	6.76	-	6.63	6.77	6.98	-
1760	MBh	55.8	57.8	63.3	-	54.5	56.5	61.9	-	53.2	55.1	60.4	-	51.9	53.8	58.9	-	49.3	51.1	56.0	-	45.6	47.3	51.8	-	
	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	5.12	5.22	5.37	-	5.48	5.59	5.75	-	5.80	5.92	6.09	-	6.08	6.20	6.39	-	6.32	6.45	6.65	-	6.52	6.66	6.87	-	
75	2240	MBh	61.5	63.3	68.5	73.5	60.1	61.8	66.9	71.8	58.6	60.4	65.3	70.1	57.2	58.9	63.7	68.4	54.3	55.9	60.6	65.0	50.3	51.8	56.1	60.2
		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	5.27	5.38	5.53	5.70	5.65	5.76	5.93	6.12	5.98	6.10	6.29	6.48	6.27	6.40	6.60	6.81	6.52	6.66	6.86	7.08	6.73	6.88	7.09	7.32
	2000	MBh	59.7	61.5	66.5	71.4	58.3	60.0	65.0	69.7	56.9	58.6	63.4	68.1	55.5	57.2	61.9	66.4	52.8	54.3	58.8	63.1	48.9	50.3	54.5	58.4
		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	5.23	5.34	5.49	5.66	5.61	5.72	5.89	6.07	5.93	6.06	6.24	6.4												

ACCESSORIES



ROOF CURBS

Model Number	Height (K)	Use With
ACL01FB0A	8"	APFM - all
ACM01FB0A	14"	
ACH01FB0A	24"	

ROOF CURB DIMENSIONS (inches)

Model Number	A	B	C	D	E	F	G	H	K (ACL)	K (ACM)	K (ACH)
AC(L,M,H)01FB0A	42-1/2	39-1/2	16	21-1/2	3-3/4	45-3/4	42-3/4	20	8	14	24

SQUARE to ROUND TRANSITION

Model Number	Round Size	Use With Roof Curb
ACT01FB0A	16"	ACL01FB0A, ACM01FB0A, ACH01FB0A

CONCENTRIC GRILLE - FLUSH MOUNT

Model Number	Use With Roof Curb
AXB020CFA	ACL01FB0A, ACM01FB0A, ACH01FB0A

CONCENTRIC GRILLE - STEP DOWN

Model Number	Use With Roof Curb
AXB020CSA	ACL01FB0A, ACM01FB0A, ACH01FB0A

ECONOMIZERS *

Model Number	Application	Motion	Control	Use With Model Size
AHE02FB0B	Horizontal	Fully Modulating w/ Return Air Damper w/ Relief Damper	Enthalpy	ALL
AEM03FB0B	Downflow			APFM36-48
AHP02FB0B	Horizontal	Fully Modulating w/ Return Air Damper w/ Relief Damper	Dry Bulb Only	ALL
AEP03FB0B	Downflow			APFM36-48
AEP001A	Adapter Harness	N/A	N/A	ALL

* An adapter harness will be required for use with three phase units.

0% - 35% FRESH AIR DAMPERS (use in DOWNFLOW application only) *

Model Number	Control	Use With Model Size
AFA02FB0A	Manual	ALL
AFM02FB0A	Motorized	

* Unit must have internal filters to protect evaporator coil when Fresh Air Damper is installed.
All 3-phase units shipped with internal filters installed.

ACCESSORIES

HAIL GUARD

Model Number	Use With Model Size
AGH02FB0A	ALL

LOW AMBIENT CONTROL

Model Number	FAST Part Number	Use With Model Size
ALA12CU0A	1085493	APFM - all

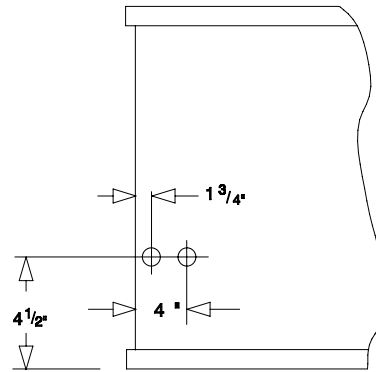
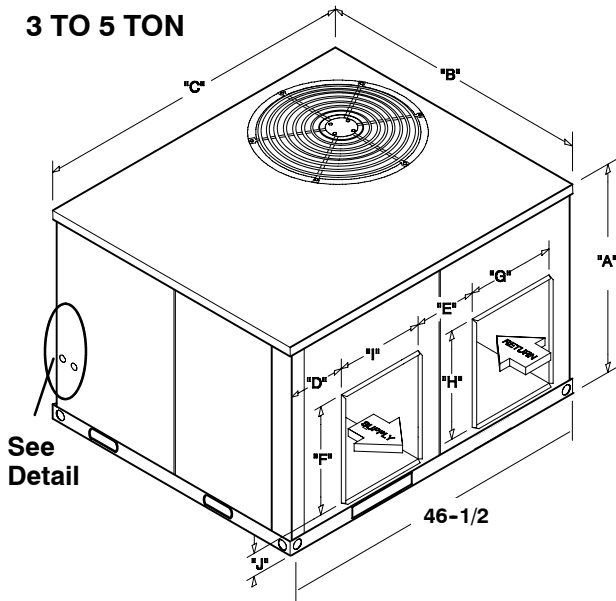
OUTDOOR THERMOSTAT

Model Number	Description	Use With Model Size
AMF002OTA	2 Stage, Electronic	APFM - all

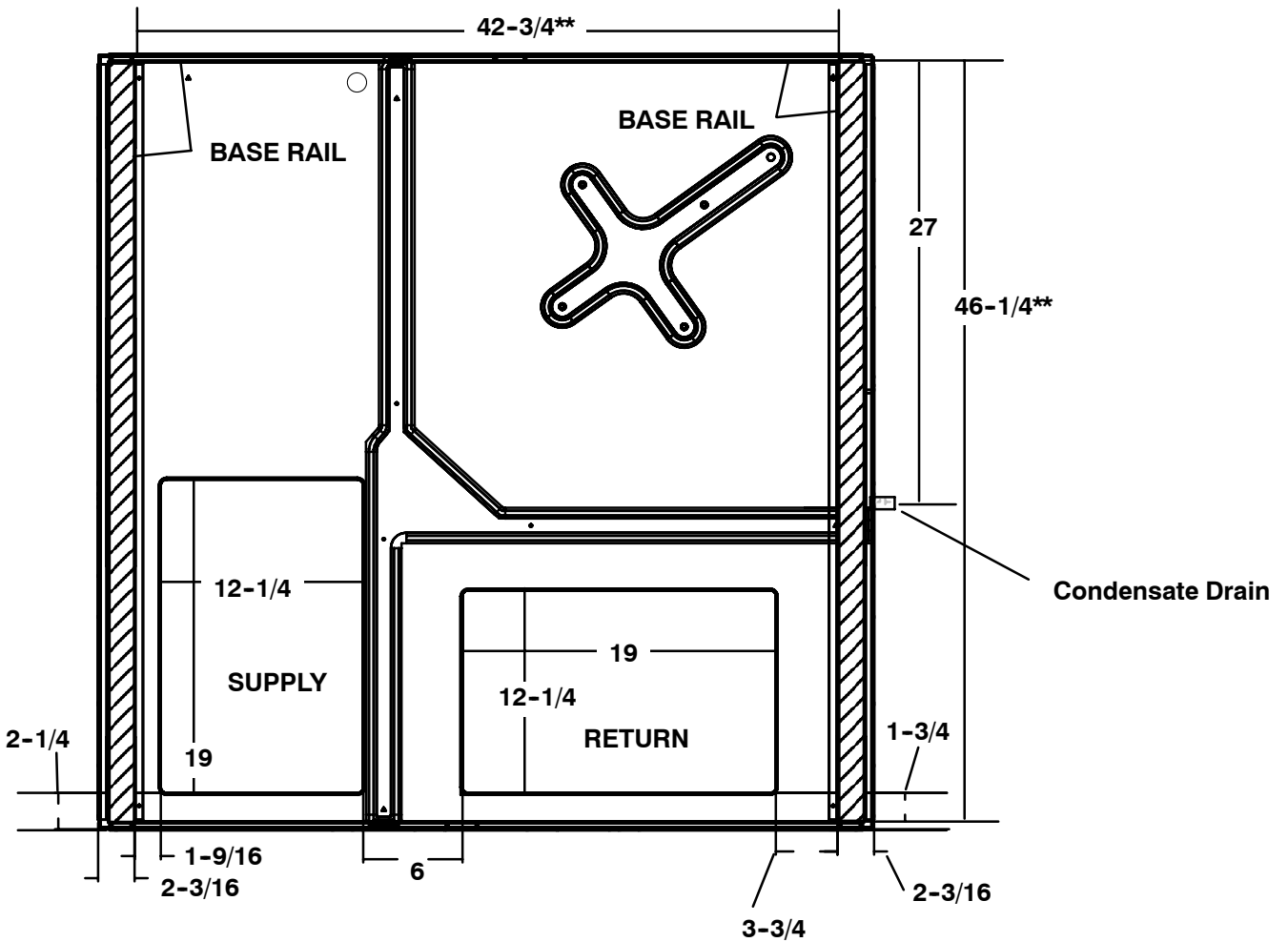
UNIT DIMENSIONS

3 TO 5 TON

All Dimensions In Inches



BASE PAN - CHASSIS



UNIT SIZE	A	B	C	D	E	F	G	H	I	J
3 Ton	29-1/2	47-1/2	47-1/2	3	9-1/2	12	14	12	14	4-1/2
4 TO 5 Ton	37-1/2	47-1/2	47-1/2	4	6-1/2	19	19	12	12	4-1/2

**** Measured from inside to inside on base rails.**

MODEL NUMBER IDENTIFICATION GUIDE

MODEL NUMBER	A	P	F	M24	H	000
AIR CONDITIONER						
P = Single Package						
F = STANDARD SERIES						ELECTRICAL CHARACTERISTICS H = 208 / 230-3-60, L = 460-3-60
						COOLING CAPACITY (NOMINAL BTUH) M used on 5 ton and below. 36 = 3 ton 48 = 4 Ton 60 = 5 Ton

GUIDE SPECIFICATION

CABINET

The cabinet is made of triple-coated steel, consisting of a Polyester top coat, a urethane primer coat preceded by an oxide pretreatment. One piece weather resistant top. The base rails are 16 gauge steel with fork lift slots and holes provided for lifting shackles. The unit is designed with convertible airflow for either horizontal or downflow applications with conversion accomplished by re-locating two panels. Indoor blower compartment interior cabinet surfaces are insulated with a minimum 1/2" thick, flexible glass insulation, coated on the air side.

COOLING SECTION

The unit is factory charged and operationally ready upon delivery. The unit refrigerant circuit has a high efficiency fully reciprocating compressor (5 ton has 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.

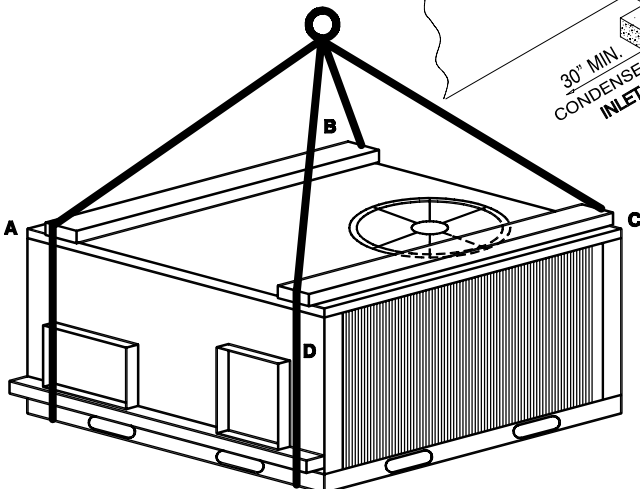
CONDENSER FAN

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.

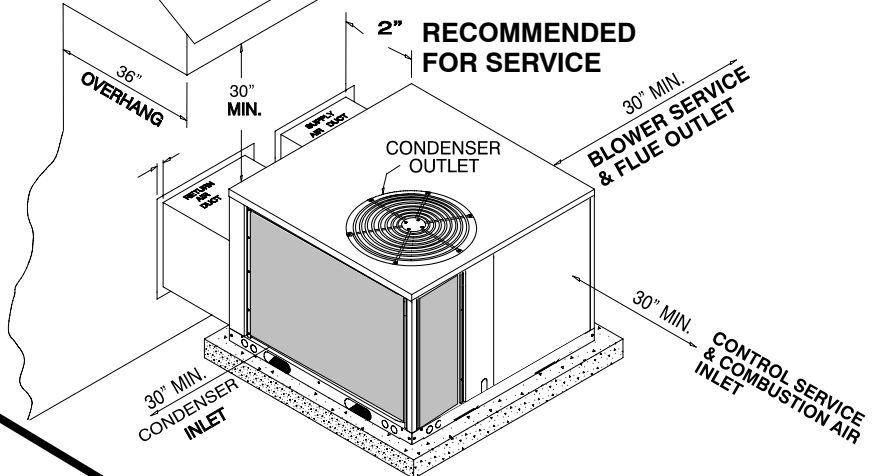
EVAPORATOR BLOWER

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

RIGGING DETAILS



INSTALLATION CLEARANCES



CORNER WEIGHTS (LBS)

UNIT SIZE	A	B	C	D	OPERATING WEIGHT TOTAL
3 TON	72	90	126	72	360
4 TON	98	123	171	98	490
5 TON	100	125	175	100	500