

Table 1B — Physical Data — 48TM008-014

48TM UNIT SIZE		D/E/F008	D/E/F009	D/E/F012	D/E014
NOMINAL CAPACITY (tons)		7½	8½	10	12½
OPERATING WEIGHT (lb)					
Unit					
Al/Al*		870	880	1035	1050
Al/Cu*		891	896	1057	1077
Cu/Cu*		893	907	1080	1100
Economizer					
EconoMiSer IV		75	75	75	75
Roof Curb†		143	143	143	143
COMPRESSOR					
Quantity		Reciprocating	Scroll	Scroll	Scroll
No. Cylinders (per Circuit)		2	2	2	2
Oil (oz) (each compressor)		2	2	2	2
		42	53	50	60
REFRIGERANT TYPE		R-22			
Expansion Device		Acutrol™ Metering Device			
Operating Charge (lb-oz)					
Circuit 1		7-10	7-14	8-10	9-8
Circuit 2		8-2	8-5	8-8	9-5
CONDENSER COIL		Enhanced Copper Tubes, Aluminum Lanced Fins			
Rows...Fins/in.		2...17	2...17	2...17	2...17
Total Face Area (sq ft)		20.50	20.50	25.00	25.00
CONDENSER FAN		Propeller Type			
Nominal Cfm		6500	6500	7000	7000
Quantity...Diameter (in.)		2...22	2...22	2...22	2...22
Motor Hp...Rpm		¼...1100	¼...1100	¼...1100	¼...1100
Watts Input (Total)		650	650	650	650
EVAPORATOR COIL		Enhanced Copper Tubes, Aluminum Double-Wavy Fins, Face Split			
Rows...Fins/in.		3...15	3...15	3...15	4...15
Total Face Area (sq ft)		8.9	8.9	10.0	11.1
EVAPORATOR FAN		Centrifugal Type			
Quantity...Size (in.)		1...15 x 15	1...15 x 15	1...15 x 15	1...15 x 15
	Std	1...15 x 15	1...15 x 15	1...15 x 15	1...15 x 15
	Alt	1...15 x 15	1...15 x 15	1...15 x 15	1...15 x 15
Type Drive					
	Std	1...15 x 15	1...15 x 15	1...15 x 15	1...15 x 15
	Alt	1...15 x 15	1...15 x 15	1...15 x 15	1...15 x 15
	High-Static	1...15 x 15	1...15 x 15	1...15 x 15	1...15 x 15
Nominal Cfm		2900	3000	3200	5000
Maximum Continuous Bhp		2.40	2.40	2.40	3.70
	Std	2.40	2.40	2.40	3.70
	Alt	2.40	2.40	2.40	3.70
	High-Static	3.70	3.70	5.25	5.25
Motor Frame Size		56	56	56	56
	Std	56	56	56	56
	Alt	56	56	56	56
	High-Static	56	56	56	56
Fan Rpm Range		590-840	685-935	685-935	860-1080
	Std	590-840	685-935	685-935	860-1080
	Alt	685-935	685-935	835-1085	830-1130
	High-Static	860-1080	860-1080	830-1130	830-1130
Motor Bearing Type		Ball	Ball	Ball	Ball
Maximum Allowable Rpm		2100	2100	2100	2100
Motor Pulley Pitch Diameter Min/Max (in.)		2.4/3.4	2.8/3.8	2.8/3.8	4.0/5.0
	Std	2.8/3.8	2.8/3.8	2.8/3.8	4.0/5.0
	Alt	4.0/5.0	4.0/5.0	3.4/4.4	3.1/4.1
	High-Static	4.0/5.0	4.0/5.0	2.8/3.8	2.8/3.8
Nominal Motor Shaft Diameter (in.)		5/8	5/8	5/8	7/8
	Std	5/8	5/8	5/8	7/8
	Alt	5/8	5/8	5/8	7/8
	High-Static	7/8	7/8	7/8	7/8
Fan Pulley Pitch Diameter (in.)		7.0	7.0	7.0	8.0
	Std	7.0	7.0	7.0	8.0
	Alt	7.0	7.0	7.0	8.0
	High-Static	8.0	8.0	5.8	5.9
Belt, Quantity...Type...Length (in.)		1...A...48	1...A...48	1...A...49	1...A...53
	Std	1...A...48	1...A...48	1...A...51	1...BX...48
	Alt	1...A...53	1...A...53	1...BX...48	1...BX...48
	High-Static	1...A...53	1...A...53	1...BX...48	1...BX...48
Pulley Center Line Distance (in.)		16.75-19.25	16.75-19.25	15.85-17.50	15.85-17.50
	Std	16.75-19.25	16.75-19.25	15.85-17.50	15.85-17.50
	Alt	16.75-19.25	16.75-19.25	15.85-17.50	15.85-17.50
	High-Static	16.75-19.25	16.75-19.25	15.85-17.50	15.85-17.50
Speed Change per Full Turn of Movable Pulley Flange (rpm)		50	50	50	44
	Std	50	50	50	44
	Alt	50	50	50	44
	High-Static	60	60	60	50
Movable Pulley Maximum Full Turns From Closed Position		5	5	5	5
	Std	5	5	5	5
	Alt	5	5	5	5
	High-Static	5	5	5	5
Factory Setting		5	5	5	5
	Std	5	5	5	5
	Alt	5	5	5	5
	High-Static	5	5	5	5
Factory Speed Setting (rpm)		590	685	685	860
	Std	590	685	685	860
	Alt	685	685	835	887
	High-Static	860	860	887	887
Fan Shaft Diameter at Pulley (in.)		1	1	1	1

LEGEND

Al — Aluminum
 Bhp — Brake Horsepower
 Cu — Copper

†Weight of 14-in. roof curb.

**Rollout switch lockout is manually reset by interrupting power to unit or resetting thermostat.

NOTE: High-static motor not available on size 014 units.

*Evaporator coil fin material/condenser coil fin material. Contact your local representative for details about coated fins.