

# Physical data — 48TF004-007



UNIT SIZE 48TF		E/F/M/N004	D/E/F/L/M/N005	D/E/F/L/M/N006	D/E/F007
NOMINAL CAPACITY (tons)		3	4	5	6
OPERATING WEIGHT (lb)					
Unit		460	470	490	565
Al/Al*		465	476	497	576
Al/Cu*		468	482	505	587
Cu/Cu*					
Economizer		34	34	34	34
Durablade		47	47	47	47
EconoMiSer		115	115	115	115
Roof Curb†					
COMPRESSOR			Reciprocating		Scroll
Quantity		1	1	1	1
No. Cylinders (per Circuit)		2	2	2	2
Oil (oz)		50	50	50	54
REFRIGERANT TYPE			R-22		
Expansion Device			Acutrol™ Metering Device		
Operating Charge (lb-oz)					
Circuit 1		4-4	6-6	6-14	9-0
Circuit 2		—	—	—	—
CONDENSER COIL			Enhanced Copper Tubes, Aluminum Lanced Fins		
Rows...Fins/in.		1...17	2...17	2...17	2...17
Total Face Area (sq ft)		8.36	8.36	10.42	10.42
CONDENSER FAN			Propeller Type		
Nominal Cfm		3500	4000	4000	4000
Quantity...Diameter (in.)		1...22.0	1...22.0	1...22.0	1...22.0
Motor Hp...Rpm		1/4...1100	1/4...1100	1/4...1100	1/4...1100
Watts Input (Total)		325	325	325	325
EVAPORATOR COIL			Enhanced Copper Tubes, Aluminum Double-Wavy Fins		
Rows...Fins/in.		2...15	2...15	3...15	4...15
Total Face Area (sq ft)		4.17	5.5	5.5	5.5
EVAPORATOR FAN			Centrifugal Type		
Quantity...Size (in.)		1...10 x 10	1...10 x 10	1...11 x 10	1...10 x 10
Std		1...10 x 10	1...10 x 10	1...10 x 10	—
Alt		1...10 x 10	1...10 x 10	1...11 x 10	1...10 x 10
High-Static		1...10 x 10	1...10 x 10	1...11 x 10	1...10 x 10
Type Drive		Direct	Direct	Direct	Belt
Std		Direct	Direct	Direct	—
Alt		Belt	Belt	Belt	Belt
High-Static		Belt	Belt	Belt	2400
Nominal Cfm		1200	1600	2000	2400
Maximum Continuous Bhp		.34	.75	1.20	2.40
Std		.34	.75	1.20	2.40
Alt		1.00	1.00	1.30/2.40**	—
High-Static		2.40	2.40	2.90	2.90
Motor Frame Size		48	48	48	56
Std		48	48	56	—
Alt		48	48	56	56
High-Static		56	56	56	—
Nominal Rpm High/Low		860/800	1075/970	1075/970	—
Std		1620	1620	1725	1725
Alt		1725	1725	1725	1725
High-Static		—	—	—	1070-1460
Fan Rpm Range		760-1000	835-1185	900-1300	—
Std		1075-1455	1075-1455	1300-1685	1300-1685
Alt		—	—	—	—
High-Static		Ball	Ball	Ball	Ball
Motor Bearing Type		2100	2100	2100	2100
Maximum Allowable Rpm		—	—	—	2.8/3.8
Motor Pulley Pitch Diameter Min/Max (in.)		—	—	—	—
Std		1.9/2.9	1.9/2.9	2.4/3.4	—
Alt		2.8/3.8	2.8/3.8	3.4/4.4	3.4/4.4
High-Static		—	—	—	—
Nominal Motor Shaft Diameter (in.)		1/2	1/2	5/8	5/8
Std		1/2	1/2	5/8	—
Alt		5/8	5/8	5/8	5/8
High-Static		—	—	—	4.5
Fan Pulley Pitch Diameter (in.)		—	—	—	—
Std		4.5	4.0	4.5	4.5
Alt		4.5	4.5	4.5	4.5
High-Static		—	—	—	1...A...40
Belt, Quantity...Type...Length (in.)		—	—	—	—
Std		1...A...34	1...A...34	1...A...39	1...A...40
Alt		1...A...39	1...A...39	1...A...40	1...A...40
High-Static		—	—	—	14.7-15.5
Pulley Center Line Distance (in.)		—	—	—	—
Std		10.0-12.4	10.0-12.4	14.7-15.5	—
Alt		10.0-12.4	10.0-12.4	14.7-15.5	14.7-15.5
High-Static		—	—	—	80
Speed Change per Full Turn of Movable Pulley Flange (rpm)		—	—	—	—
Std		48	70	80	—
Alt		65	65	60	60
High-Static		—	—	—	5
Movable Pulley Maximum Full Turns From Closed Position		—	—	—	—
Std		5	5	5	5
Alt		6	6	5	5
High-Static		—	—	—	3
Factory Setting		—	—	—	—
Std		3	3	3	—
Alt		3 1/2	3 1/2	3 1/2	3 1/2
High-Static		—	—	—	1225
Factory Speed Setting (rpm)		—	—	—	—
Std		856	975	1060	—
Alt		1233	1233	1396	1396
High-Static		5/8	5/8	5/8	5/8
Fan Shaft Diameter at Pulley (in.)		—	—	—	—

### LEGEND

- Al — Aluminum
- Bhp — Brake Horsepower
- Cu — Copper

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

†Weight of 14-in. roof curb.

\*\*Single phase/three-phase.

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

|| Single-phase units have a single-stage gas valve. The heating input values are as follows:

- 48TF004, 115,000 Btuh
- 48TF005, 150,000 Btuh
- 48TF006, 150,000 Btuh

### NOTES:

1. The 48TF004-014 units have a loss-of-charge switch located in the liquid line.
2. High-static motor not available on single-phase units.