

**Table 5 - PHYSICAL DATA (cont)**  
**RTPF (Round Tube/Plate Fin Coil Design)**

**(COOLING)**

**15-27.5 TONS**

		<b>50TC-D24</b>	<b>50TC-E24</b>	<b>50TC-D28</b>	<b>50TC-E28</b>	<b>50TC-D30</b>
<b>Refrigeration System</b>		RTPF	RTPF	RTPF	RTPF	RTPF
# Circuits / # Comp. / Type		2 / 2 / Scroll	2 / 2 / Scroll	2 / 2 / Scroll	2 / 2 / Scroll	2 / 2 / Scroll
R-410A charge A/B (lbs)		20.6/14.7	27.9/20.5	19.8/ 20.4	27.9/ 28.9	27.0/ 28.5
Metering device		Acutrol	TXV	Acutrol	TXV	Acutrol
High-press. Trip / Reset (psig)		630 / 505	630 / 505	630 / 505	630 / 505	630 / 505
Low-press. Trip / Reset (psig)		54 / 117	27 / 44	54 / 117	27 / 44	54 / 117
<b>Evaporator Coil</b>						
Material		Cu / Al	Cu / Al	Cu / Al	Cu / Al	Cu / Al
Tube Diameter		3/8"	3/8"	3/8"	3/8"	3/8"
Rows / FPI		4 / 15	4 / 15	4 / 15	4 / 15	4 / 15
total face area (ft <sup>2</sup> )		22.00	22.00	23.11	23.11	26
Condensate drain conn. size		3/4"	3/4"	3/4"	3/4"	3/4"
<b>Humidi-MiZer<sup>®</sup> Coil</b>						
Material		n/a	Cu / Al	n/a	Cu / Al	n/a
Tube Diameter		n/a	3/8"	n/a	3/8"	n/a
Rows / FPI		n/a	1 / 17	n/a	1 / 17	n/a
total face area (ft <sup>2</sup> )		n/a	22.00	n/a	23.11	n/a
<b>Evaporator fan and motor</b>						
<b>VERTICAL</b>						
Standard Static	Motor Qty / Belt Qty / Driver Type	1 / 1 / Belt	1 / 1 / Belt	1 / 1 / Belt	1 / 1 / Belt	n/a
	Max BHP	4.9	4.9	4.9	4.9	n/a
	RPM range	690-863	690-863	717-911	717-911	n/a
	motor frame size	56	56	56	56	n/a
	Fan Qty / Type	2 / Centrifugal	2 / Centrifugal	2 / Centrifugal	2 / Centrifugal	n/a
	Fan Diameter (in)	15 x 15	15 x 15	15 x 15	15 x 15	n/a
Standard Static - High Efficiency	Motor Qty / Belt Qty / Driver Type	n/a	n/a	n/a	n/a	1 / 1 / Belt
	Max BHP	n/a	n/a	n/a	n/a	6.5/ 6.9/ 7.0/ 8.3
	RPM range	n/a	n/a	n/a	n/a	751-954
	motor frame size	n/a	n/a	n/a	n/a	184T
	Fan Qty / Type	n/a	n/a	n/a	n/a	2 / Centrifugal
	Fan Diameter (in)	n/a	n/a	n/a	n/a	15 x 15
Medium Static - High Efficiency	Motor Qty / Belt Qty / Driver Type	1 / 1 / Belt	1 / 1 / Belt	1 / 1 / Belt	1 / 1 / Belt	1 / 1 / Belt
	Max BHP (208/230/460/575v)	6.5/ 6.9/ 7.0/ 8.3	6.5/ 6.9/ 7.0/ 8.3	6.5/ 6.9/ 7.0/ 8.3	6.5/ 6.9/ 7.0/ 8.3	10.5/11.9/11.9/11
	RPM range	835-1021	835-1021	913-1116	913-1116	973-1175
	motor frame size	184T	184T	184T	184T	184T
	Fan Qty / Type	2 / Centrifugal	2 / Centrifugal	2 / Centrifugal	2 / Centrifugal	2 / Centrifugal
	Fan Diameter (in)	15 x 15	15 x 15	15 x 15	15 x 15	15 x 15
High Static - High Efficiency	Motor Qty / Belt Qty / Driver Type	1 / 1 / Belt	1 / 1 / Belt	1 / 1 / Belt	1 / 1 / Belt	1 / 2 Belt
	Max BHP (208/230/460/575v)	10.5/11.9/11.9/11	10.5/11.9/11.9/11	10.5/11.9/11.9/11	10.5/11.9/11.9/11	11.9/12.9/12.9/14.1
	RPM range	941-1176	941-1176	941-1176	941-1176	1015-1299
	motor frame size	213T	213T	213T	213T	213T
	Fan Qty / Type	2 / Centrifugal	2 / Centrifugal	2 / Centrifugal	2 / Centrifugal	2 / Centrifugal
	Fan Diameter (in)	15 x 15	15 x 15	15 x 15	15 x 15	15 x 15

**Table 5 PHYSICAL DATA (cont)**  
**RTPF (Round Tube/Plate Fin Coil Design)**

**(COOLING)**

**15-27.5 TONS**

	50TC-D17	50TC-E17	50TC-D20	50TC-E20	50TC-D24	50TC-E24	50TC-D28	50TC-E28	50TC-D30
<b>Cond. Coil (Circuit A)</b>									
Coil type	RTPF	RTPF	RTPF	RTPF	RTPF	RTPF	RTPF	RTPF	RTPF
Coil Length (in)	70	70	70	70	82	82	75	75	95
Coil Height (in)	44	44	44	44	44	44	52	52	52
Rows / FPI	2 / 17	2 / 17	2 / 17	2 / 17	2 / 17	2 / 17	2 / 17	2 / 17	2 / 17
total face area (ft <sup>2</sup> )	21.4	21.4	21.4	21.4	25.1	25.1	27.1	27.1	34.3
<b>Cond. Coil (Circuit B)</b>									
Coil type	RTPF	RTPF	RTPF	RTPF	RTPF	RTPF	RTPF	RTPF	RTPF
Coil Length (in)	70	70	70	70	57	57	75	75	95
Coil Height (in)	44	44	44	44	44	44	52	52	52
Rows / FPI	2 / 17	2 / 17	2 / 17	2 / 17	2 / 17	2 / 17	2 / 17	2 / 17	2 / 17
total face area (ft <sup>2</sup> )	21.4	21.4	21.4	21.4	17.4	17.4	27.1	27.1	34.3
<b>Cond. fan / motor</b>									
Qty / Motor drive type	3 / direct	3 / direct	3 / direct	3 / direct	4 / direct	4 / direct	4 / direct	4 / direct	6 / direct
Motor HP / RPM	1/4 / 1100	1/4 / 1100	1/4 / 1100	1/4 / 1100	1/4 / 1100	1/4 / 1100	1/4 / 1100	1/4 / 1100	1/4 / 1100
Fan diameter (in)	22	22	22	22	22	22	22	22	22
<b>Filters</b>									
RA Filter # / size (in)	6 / 20 x 25 x 2	6 / 20 x 25 x 2	6 / 20 x 25 x 2	6 / 20 x 25 x 2	6 / 20 x 25 x 2	6 / 20 x 25 x 2	9 / 16 x 25 x 2	9 / 16 x 25 x 2	9 / 16 x 25 x 2
OA inlet screen # / size (in)	4 / 16 x 25 x 1	4 / 16 x 25 x 1	4 / 16 x 25 x 1	4 / 16 x 25 x 1	4 / 16 x 25 x 1	4 / 16 x 25 x 1	4 / 16 x 25 x 1	4 / 16 x 25 x 1	4 / 16 x 25 x 1