

PHYSICAL DATA (COOLING) SI

		50TC-D08	50TC-D09	50TC-D12	50TC-D14	50TC-D16
Refrigeration System						
# Circuits / # Comp. / Type		2 / 2 / Scroll	2 / 2 / Scroll	2 / 2 / Scroll	2 / 2 / Scroll	2 / 2 / Scroll
Puron® refig. (R-410A) charge A/B (kg)		3.1 / 3.1	4.2 / 4.2	4.0 / 4.1	5.7 / 5.8	7.2 / 7.6
Metering Device		Acutrol	Acutrol	Acutrol	Acutrol	Acutrol
High-press. Trip / Reset (kPa)		4344 / 3482	4344 / 3482	4344 / 3482	4344 / 3482	4344 / 3482
Low-press. Trip / Reset (kPa)		372 / 807	372 / 807	372 / 807	372 / 807	372 / 807
Evaporator Coil						
Material (Tube/Fin)		Cu / Al	Cu / Al	Cu / Al	Cu / Al	Cu / Al
Coil Type		10mm RTPF	10mm RTPF	10mm RTPF	10mm RTPF	10mm RTPF
Rows / Fins Per Meter		3 / 591	3 / 591	4 / 591	4 / 591	3 / 591
Total Face Area (m ²)		.83	1.0	1.0	1.0	1.6
Condensate Drain Conn. Size		19mm	19mm	19mm	19mm	19mm
Evap. Fan and Motor						
STANDARD STATIC 3 PHASE	Motor Qty / Drive Type	1 / Belt	1 / Belt	1 / Belt	1 / Belt	1 / Belt
	Max BHP	1.1	1.1	1.5	1.8	2.1
	r/s range	7-11	7-11	7-11	11-14	8-10
	Motor Frame Size	56	56	56	56	56Y
	Fan Qty / Type	1 / Centrifugal	1 / Centrifugal	1 / Centrifugal	1 / Centrifugal	1 / Centrifugal
	Fan Diameter (mm)	381 x 381	381 x 381	381 x 381	381 x 381	457 x 457
MEDIUM STATIC 3 PHASE	Motor Qty / Drive Type	1 / Belt	1 / Belt	1 / Belt	1 / Belt	1 / Belt
	Max BHP	1.8	1.5	2.3	2.3	2.7
	r/s range	11-15	11-15	11-15	11-15	9-12
	Motor Frame Size	56	56	56	56	56Hz
	Fan Qty / Type	1 / Centrifugal	1 / Centrifugal	1 / Centrifugal	1 / Centrifugal	1 / Centrifugal
	Fan Diameter (mm)	381 x 381	381 x 381	381 x 381	381 x 381	457 x 457
HIGH STATIC 3 PHASE	Motor Qty / Drive Type	1 / Belt	1 / Belt	1 / Belt	1 / Belt	1 / Belt
	Max BHP	2.9	2.3	2.9	2.9	4.5
	r/s range	20-19	20-19	20-19	20-19	20-14
	Motor Frame Size	56	56	56	56	S184T
	Fan Qty / Type	1 / Centrifugal	1 / Centrifugal	1 / Centrifugal	1 / Centrifugal	1 / Centrifugal
	Fan Diameter (mm)	381 x 381	381 x 381	381 x 381	381 x 381	457 x 457
Cond. Coil						
Material — Tube/Fin		Cu / Al	Cu / Al	Cu / Al	Cu / Al	Cu / Al
Coil Type		10mm RTPF	10mm RTPF	10mm RTPF	10mm RTPF	10mm RTPF
Rows / Fins Per Meter		2 / 670	2 / 670	2 / 670	3 / 670	2 / 670
Total Face Area (m ²)		2	2	2	2	2@2
Cond. fan / motor						
Qty / Motor Drive Type		2 / direct	2 / direct	2 / direct	1 / direct	3 / direct
Motor kW / r/s		.186 / 18	.186 / 18	.186 / 18	.746 / 20	.186 / 18
Fan diameter (mm)		559	559	559	762	559
Filters						
RA Filter # / Size (mm)		4 / 406 x 508 x 51	4 / 508 x 508 x 51	4 / 508 x 508 x 51	4 / 508 x 508 x 51	6 / 457 x 457 x 51
OA inlet screen # / Size (mm)		1 / 508 x 610 x 25	1 / 508 x 610 x 25	1 / 508 x 610 x 25	1 / 508 x 610 x 25	Vert: 2 / 610 x 686 x 25 Horiz: 1 / 792 x 991 x 25

N/A – Not applicable.