



Cooling capacity	0.5kW	0.5kW	1.15kW	1.9kW
Physical attributes				
Physical dimensions (mm)	19" rack, 5U high, 500 deep	19" rack, 5U high, 500mm deep	19" rack, 5U high, 560mm deep	19" rack, 5U high, 560mm deep
Construction	Sheet steel gauge 1.5mm	Sheet steel gauge 1.5mm	Sheet steel gauge 1.5mm	Sheet steel gauge 1.5mm
Noise level (dB(A))	Support weight of unit from back or side edges	Support weight of unit from back or side edges	Support weight of unit from back or side edges	Support weight of unit from back or side edges
	Epoxy polyester powder coated	Epoxy polyester powder coated	Epoxy polyester powder coated	Epoxy polyester powder coated
Weight (kg)	24	25	36	48
Noise level (db(A))	35-63	35-64	63	63
Toolless access	No	No	No	No
Temperature control attributes				
Refrigeration Technology	Vapour Compression	Vapour Compression	Vapour Compression	Vapour Compression
Evaporator Technology	BPHE	BPHE	MPHE	MPHE
Duty at +30°C ambient, Setpoint +20°C (kW)	500W	500W	1.15kW	1.9kW
Temperature range (standard)	+4°C to +35°C	+4°C to +35°C	+4°C to +35°C	+4°C to +35°C
Temperature range (extended)	-	-5°C to +65°C	-5°C to +65°C	-5°C to +65°C
Control method	Continuous running, duty settable	Variable speed compressor	HGB via solenoid valve	HGB via solenoid valve
	Low temp fridge cutoff			
Temperature stability (with constant load)	-	<±0.1°C as little as 0.02 demonstrated	±0.1°C	±0.1°C
Temperature resolution	-	0.1°C	0.1°C	0.1°C
Maximum THR (Total Heat Rejection)	-	0.8kW	1.5kW	3.3kW
Ambient air temperature range	-	-	+15°C to +40°C	+15°C to +40°C
Water circuit attributes				
System volume (L)	2.8L	2.8L	4L	7.5L
Pump Options	3.8L/min @1bar (centrif)	3.8L/min @1bar (centrif)	4L/min @0bar, 4L/min @4bar (PD rotary vane)	4L/min @0bar, 4L/min @4bar (PD rotary vane)
Pressure relief	-	-	Via pump internal PRV, 6bar preset	Via pump internal PRV, 6bar preset
Standard Fittings	½" BSPPF	½" BSPPF	3/8" BSPPF	½" BSPPF
Standard chemical compatibility	Hexid Fluid, Water, Propylene Glycol, Tap water with inhibitor	Hexid Fluid, Water, Propylene Glycol, Tap water with inhibitor	Hexid Fluid, Water, Propylene Glycol, Tap water with inhibitor	Hexid Fluid, Water, Propylene Glycol, Tap water with inhibitor
Electrical attributes				
(90-264Vac, ½, 50-60Hz) U-spec	-	Yes, 2A	-	-
(230Vac, 1, 50Hz) 0-spec	-	-	Yes, 6.5A	Yes, 7.5A
(115Vac, 1, 60Hz) 1-spec	-	-	-	-
(208-220Vac, ½, 60Hz) 2-spec	-	-	-	-
(Switchable 208Vac, ½, 60Hz 220Vac, ½, 60Hz 230Vac, 1, 50Hz) 6-spec	-	-	-	-
(Switchable 115Vac, 1, 60Hz 220Vac, ½, 60Hz 230Vac, 1, 50Hz) 7-spec	-	-	-	-
(208-230Vac, ½, 50/60Hz) 9-spec	-	-	-	-
Overcurrent fault-cleared restart mode	-	Manual, fused.	-	-
Safety and fault indicator				
1 st party approval	CE	CE	CE	CE
3 rd party approvals	UL-ready	UL-ready	UL-ready	UL-ready
Refrigeration system	HP via compressor controller	HP via compressor controller	HP switch (auto reset) LP switch (auto reset)	HP switch (auto reset) LP switch (auto reset)
Options available				
Low temperature pack; SA00002	-	Available, to -5°C	Available, to 0°C until mod to PHE, then -5°C	Available, to 0°C until mod to PHE, then -5°C
High temperature pack; SA00003	-	Available, to +65°C	Available, to +65°C	Available, to +65°C
Onboard RS485 data protocol; SA00011	-	Available, via 9 pin D-sub	Available, via 9 pin D-sub	Available, via 9 pin D-sub
Standard VFC set; SA000012	-	-	Available, via 9 pin D-sub	Available, via 9 pin D-sub
In-line Deionising cartridge and fittings; SA00013	-	-	Available, internally mount in bypass	-
Installation kit; SA00017	-	Available	Available	Available
KT filter kit; SA00019	-	-	Available, internal, 40micron	-
Particulate filter; SA00021	-	-	Available	Available