

MFFT Chiller



Physical attributes

Physical dimensions (LxWxH) (mm)	435 x 180 x 380
Weight (kg)	Dry 20kg, wet 21kg
Noise level (dB(A))	64 (optional manual adjustment)
Toolless access	No
Cooling capacity (setpoint 20, ambient 20)	0.5kW

Temperature control attributes

Technology	Vapour compression
Evaporator technology	Brazed plate heat exchanger
Duty at +20°C ambient, Setpoint +20°C (kW)	500
Duty at +20°C ambient, Setpoint +15°C (kW)	300
Refrigerant & charge	R134a, 360g
Temperature range (standard)	+4°C to +35°C (setpoint dependent on load)
Control method	Continuous running, duty settable Low temp fridge cutoff
Temperature stability (with constant load)	±0.1°C
Temperature resolution	N/A
Maximum THR (Total Heat Rejection)	850W
Maximum ambient air temperature	+35°C

Water circuit attributes

System volume (L)	0.64
Pump type	Sanso 24VDC brushless centrif pump 1.9bar(d/h) 3L/min (o/f)
Pump capability	3.5L/min @1 bar
Pressure control (settable pressure relief valve)	N/A
Standard fittings	Pushfit 12mm
Standard chemical compatibility	Tap Water, DI-water

Electrical attributes

(90-264Vac, 1~/2~, 50-60Hz) U-spec	Yes, 2A@115Vac, 1A@230Vac, L+N+E or L1+L2+E
Overcurrent fault-cleared restart mode	Automatic

Safety interlocks, protections, standards and indicators

1st party approvals	CE
3rd party approvals	TBC
Empty fluid reservoir alarm	Not fitted
Half-full fluid reservoir indicator	Not fitted
Full fluid reservoir indicator	Not fitted
Low fluid flow alarm	Not fitted
Temperature out of range alarm	Not fitted
Compressor HP switch	Standard, via compressor control PCB
Motor thermal overload	Not fitted
Emergency off	Standard, via fuse
Interlock restored, restart mode	Automatic

- Ultra-compact design
- 0.5kW at 20°
- Simple Operation
- Low cost of purchase and operation
- For use with Rhopoint MFFT



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