APPLIED THERMAL CONTROL
RECIRCULATING CHILLERS

Cooling capacity (setpoint 10°C, ambient 10°C change in water temp)	1kW	3kW	5kW	10W
Physical attributes				
Physical dimensions (mm)	W410 x D380 x H550	W520 x D470 x H650	W600 x D600 x H770	W760 x D640 x H1180
Construction	Sheet steel gauge 1.5mm Support weight of unit from back or side edges Epoxy polyester powder coat	Sheet steel gauge 1.5mm Support weight of unit from back or side edges Epoxy polyester powder coat	Sheet steel gauge 1.5mm Support weight of unit from back or side edges Epoxy polyester powder coat	Sheet steel gauge 1.5mm Support weight of unit from back or side edges Epoxy polyester powder coat
Acceptable environment	Indoors	Indoors	Indoors	Indoors or outdoors sheltered
Toolless access	No	No	No	No
Temperature control attributes				
Technology	Air Blast	Air Blast	Air Blast	Air Blast
Control method	None, continuous fan	None, continuous fan	None, continuous fan	None, continuous fan
Temperature stability	Load & ambient dependent	Load & ambient dependent	Load & ambient dependent	Load & ambient dependent
Cooling capacity with ‘setpoint’ 5°k above ambient	0.5kW	1.5kW	2.5kW	5kW
Cooling capacity with ‘setpoint’ 10°k above ambient	1kW	3kW	5kW	10kW
Cooling capacity with ‘setpoint’ 20°k above ambient	2kW	6kW	10kW	20kW
Design ambient	+25°C	+25°C	+25°C	+25°C
Rated coolant outlet temperature	+35°C	+35°C	+35°C	+35°C
Maximum ambient	+50°C	+50°C	+50°C	+50°C
Design flowrate	4L/min	4L/min	8.3L/min	8.3L/min
Maximum THR (Total Heat Rejection)	Applied load, plus power in	Applied load, plus power in	Applied load, plus power in	Applied load, plus power in
Water circuit attributes				
Maximum permissible return line temperature	+80°C	+80°C	+80°C	+80°C
Pressure relief	Banjo flow control valve	Banjo flow control valve	Banjo flow control valve	Banjo flow control valve
Standard fittings	1/2" BSPPF	1/2" BSPPF	1/2" BSPPF	3/4" BSPPF
Standard chemical compatibility	Tap water, water-glycol mix	Tap water, water-glycol mix	Tap water, water-glycol mix	Tap water, water-glycol mix