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ADMINISTRATIVE DATA

ATC Model Name	M05032U M05032L
TE Model Number	

PHYSICAL ATTRIBUTES

Physical Dimensions (mm)	L435 x W180 x H380mm
Construction	Sheet steel gauge 1.5mm Epoxy polyester powder coat
Mounting Type	Rubber feet, floorstanding or tabletop
Acceptable Environment	Indoor
Dry Weight (kg)	16
Wet Weight (kg)	17
Noise Level (dB(A)) at 1 metre	35-64dB(A) (auto fan speed control)
Product IP Rating	20
Toolless Access	No
Enclosure Drawing Number	MA298

TEMPERATURE CONTROL ATTRIBUTES

Cooling/Refrigeration Technology	Vapour compression
Evaporator Technology	Brazed plate heat exchanger
Duty at 20°C Ambient, Setpoint +20°C (kW)	0.5kW
Duty at 30°C Ambient, Setpoint +20°C (kW)	
Duty at 35°C Ambient, Setpoint +20°C (kW)	
Cooling Capacity with Setpoint 5°K Above Ambient/Primary	N/A
Cooling Capacity with Setpoint 10°K Above Ambient/Primary	N/A
Cooling Capacity with Setpoint 20°K Above Ambient/Primary	N/A
Refrigerant & Charge	R134a, 360g
Ambient Temperature Range (Standard)	-15°C to +35°C (setpoint dependent on load)
Ambient Temperature Range (Extended)	N/A
Control Method	PID
Temperature Stability (with Constant Load)	±0.1°C
Temperature Resolution	0.1°C
Maximum Total Heat Rejection	850W

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WATER CIRCUIT ATTRIBUTES

Designed Process Fluid Flowrate	up to 3l/min
Designed Process Fluid Temperature	N/A
Designed Pressure	up to 2 bar
Process Temperature Range (Standard)	+4°C to +35°C
Process Temperature Range (Extended)	Down to -10°C
Maximum Return Line Temperature (Standard)	65°C
Maximum Return Line Temperature (Extended)	N/A
Pump Options	PC3
Visible Level Indicator	Touchscreen controller
Integrated Drain	No
System Volume	1l
Tank Type	Stainless steel, flow through
Flow and Pressure Control	No
Connection Size	Pushfit 12mm
<i>*Fittings to convert size as needed available</i>	
Construction Materials	All metal parts stainless steel
Fluid Compatibility	Hexid Fluid, Sterile Water, Propylene Glycol, DI-water

ELECTRICAL ATTRIBUTES

24VDC – L-spec	Available, 20A max draw (500W)
(90-264Vac, 1~/2~, 50-60Hz) U-spec	Available, 2A@115Vac, 1A@230Vac, L+N+E or L1+L2+E
(230Vac, 1~, 50Hz) 0-spec	-
(115Vac, 1~, 60Hz) 1-spec	-
(208-220Vac, 1~/2~, 60Hz) 2-spec	-
(400Vac, 3~, 50Hz) 3-spec	-
(460Vac, 3~, 60Hz) 4-spec	-
200/100V, 50/60Hz, 1φ 5-spec	-
(Switchable 208Vac, 1~/2~, 60Hz 220Vac, 1~/2~, 60Hz 230Vac, 1~, 50Hz) 6-spec	-
(Switchable 115Vac, 1~, 60Hz 220Vac, 1~/2~, 60Hz 230Vac, 1~, 50Hz) 7-spec	-
(208Vac, 3~, 60Hz) 8-spec	-
(208-230Vac, 1~/2~, 50/60Hz) 9-spec	-
Overcurrent fault-cleared restart mode	Automatic

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SAFETY INTERLOCKS, PROTECTIONS, STANDARDS, AND INDICATORS

1st Party Approvals

CE

UL61010-1

CAN/CSA-C22.2

FCC CFR47 Part 15 Subpart B

IEC61000-6-4:2007 +A1:2011

IEC61000-6-2:2005

IEC61000-3-2:2014

IEC61000-3-3:2013

Empty Fluid Reservoir Alarm

Visual, Touchscreen controller GUI

Half-full Fluid Reservoir Indicator

Visual, Touchscreen controller GUI

Low Fluid Flow Alarm

Visual, Touchscreen controller GUI

Temperature Out of Range Alarm

Visual, Touchscreen controller GUI

Compressor HP Switch

Standard, via compressor control PCB

Interlock Restored, Restart Mode

Automatic

Overcurrent Protection

Standard, via fuse

Motor Thermal Overload

Standard, via fuse

Warranty Options

2 years parts, one year labour

OPTIONS AVAILABLE

Remote alarm/power-off; SA00001

-

Low temperature pack; SA00002

Available, to -10°C

High temperature pack; SA00003

-

Water cooled KT; SA00004

-

Water cooled K1; SA00005

-

Water cooled K4/K6/K9/K12; SA00006

-

Water cooled K3; SA00007

-

Non-return solenoid valve pack; SA00008

-

High temperature water circuit w/o heater; SA00009

-

Low flow alarm (KT); SA00010

-

Onboard RS485 data protocol; SA00011

Available

Standard VFC set; SA00012

Available

In-line deionising cartridge and fittings; SA00013

Available

Stainless non-return solenoid valve; SA00014

-

Castors to replace rubber feet; SA00015

-

CPC quick release connectors; SA00016

Available; CPC quick connect 1/4"

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OPTIONS AVAILABLE CONTINUED

<i>Installation kit; SA00017</i>	Available
<i>Stainless steel pump and fittings; SA00018</i>	Standard
<i>KT filter kit; SA00019</i>	-
<i>Mod for outdoor use; SA00020</i>	Available
<i>Particulate filter; SA00021</i>	Available
<i>Flow meter pack; SA00022</i>	-
<i>Fan speed control (on/off); SA00023</i>	-
<i>Fan speed control (proportional); SA00024</i>	-
<i>Flow meter pack output to RS485; SA00025</i>	-
<i>Seismic mounts; SA00026</i>	-
<i>In-line UV decontamination; SA00027</i>	Available
<i>Qwikfoot kit; SA00028</i>	-
<i>Stainless enclosure; SA00029</i>	Available
<i>De-branding of standard model; SA00030</i>	-
<i>High ambient fans; SA00031</i>	-
<i>Internal manifold (2-way); SA00032</i>	-
<i>Internal manifold (3-way); SA00033</i>	-
<i>Internal manifold (4-way); SA00034</i>	-
<i>Internal manifold (5-way); SA00035</i>	-
<i>Internal manifold (6-way); SA00036</i>	-
<i>Internal manifold (7-way); SA00037</i>	-
<i>Internal manifold (8-way); SA00038</i>	-
<i>Internal manifold (9-way); SA00039</i>	-
<i>Internal manifold (10-way); SA00040</i>	-
<i>Frost protection; SA00041</i>	-
<i>External manifold (2-way); SA00042</i>	-
<i>External manifold (3-way); SA00043</i>	-
<i>External manifold (4-way); SA00044</i>	-
<i>External manifold (5-way); SA00045</i>	-
<i>External manifold (6-way); SA00046</i>	-
<i>External manifold (7-way); SA00047</i>	-

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OPTIONS AVAILABLE CONTINUED

<i>External manifold (8-way); SA00048</i>	-
<i>External manifold (9-way); SA00049</i>	-
<i>External manifold (10-way); SA00050</i>	-
<i>Remote stop-start; SA00051</i>	-
<i>Auto refill; SA00052</i>	-
<i>Fluid adapters; SA00053</i>	Available
<i>Extra Close Control; SA00054</i>	-
<i>Pressure sensor; SA00055</i>	-
<i>Pressure sensor to RS485; SA00056</i>	-
<i>Conductivity sensor; SA00057</i>	-
<i>Conductivity sensor to RS485; SA00058</i>	-
<i>Inverter-driven pump; SA00059</i>	-
<i>Alternative cordset; SA00060</i>	Available
<i>Throttling valve; SA00061</i>	-
<i>Modbus RTU over Ethernet; SA00062</i>	-



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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.