

Sales Reference	
Date	

ADMINISTRATIVE DATA

ATC Model Name KT1
ATC G/H-Series Equivalent G01

PHYSICAL ATTRIBUTES

Physical Dimensions (mm) H 370mm, W 450mm, D 540mm
Construction Sheet steel gauge 1.5mm, Powder coated
Mounting Type Castors, 2 swivel, 2 braked (standard)
Acceptable Environment Indoors (Standard)
Dry Weight (kg) 56kg
Wet Weight (kg) 58kg
Noise level (dB(A)) at 1 meter ≤55dB(A)
Product IP Rating IP20
Toolless Access No
Enclosure Drawing Number MA170
Airfreight Send charged
Sea Freight Send charged

TEMPERATURE CONTROL ATTRIBUTES

Cooling/Refrigeration Technology Vapour compression
Compressor Type Fixed speed reciprocating
Evaporator Technology Brazed Plate Heat Exchanger (BPHE)
Duty at +20°C ambient, Setpoint +20°C (kW) 1kW
Refrigerant & Charge R134a, 0.5kg
Ambient Temperature Range (standard) +4°C to +20°C
Ambient Temperature Range (extended) +4°C to +35°C
Temperature Stability (with constant load) ±0.1°C
Temperature Resolution ±0.1°C

WATER CIRCUIT ATTRIBUTES

Designed Nominal Process Fluid Flowrate 5-17L/m (0.3-1m³/h)
Maximum Design Pressure 0-8bar (0-116psi)
Process Temperature Range (standard) +4°C to +35°C
Process Temperature Range (extended low temp.) -15°C
Process Temperature Range (extended high temp.) +60°C
Maximum Return Line Temperature +60°C
Pump Options P5, P10, P17
System Volume 2L
Tank Type Stainless steel, header
Flow and Pressure Control Internal, PRV, 20-150psi
Connection Size ½" BSPPF
(Fittings to convert size as needed available)
Construction Materials Steel enclosure
Fluid Compatibility Hexid Fluid (Propylene Glycol)
Coolflow (Ethylene Glycol)

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ELECTRICAL ATTRIBUTES

(230Vac, 1~, 50Hz) 0-spec Available, 7A

SAFETY INTERLOCKS, PROTECTIONS, STANDARDS, AND INDICATORS

<i>1st Party Approvals</i>	CE
<i>3rd Party Approvals</i>	Not available
<i>Empty Fluid Reservoir Alarm</i>	Process stop interlock
<i>Low Fluid Flow Alarm</i>	Visual, lamp
<i>Temperature Out of Range Alarm</i>	Visual, lamp
<i>RS485 Comms</i>	Available, See SA00011
<i>Volt-Free Contacts (Temp, Level, Flow)</i>	Available, See SA00012
<i>Compressor HP Switch</i>	Standard
<i>Interlock Restored, Restart Mode</i>	Automatic
<i>Overcurrent Fault-Cleared Restart Mode</i>	Manual
<i>Overcurrent Protection</i>	Standard, via fuse
<i>Motor Thermal Overload</i>	Internal, automatic restart
<i>Warranty Options</i>	2-year parts, 1-year labour Enhanced warranty options

CONFIGURATIONS

Water-Cooled Available, KT1xxxxW