

Sales Reference	
Date	

ADMINISTRATIVE DATA

ATC Model Name K1
ATC G/H-Series Equivalent G02

PHYSICAL ATTRIBUTES

Physical Dimensions (mm) H 590mm, W 420mm, D 545mm
Construction Sheet steel gauge 1.5mm, Powder coated
Mounting Type Castors, 2 swivel, 2 braked (standard)
Acceptable Environment Indoors (Standard)
Dry Weight (kg) 66kg
Wet Weight (kg) 69kg
Noise level (dB(A)) at 1 meter ≤68dB(A)
Product IP Rating IP20
Toolless Access No
Enclosure Drawing Number MA024
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) 1.75kW
Refrigerant & Charge R134a, 0.68kg
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.) -20°C
Process Temperature Range (extended high temp.) +60°C
Maximum Return Line Temperature +60°C
Pump Options P5, P10, P17
System Volume 2.5L
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

(208-230Vac, 1~/2~, 50/60Hz) 9-spec Available, 7A

SAFETY INTERLOCKS, PROTECTIONS, STANDARDS, AND INDICATORS

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

OPTIONS (OP Packs)

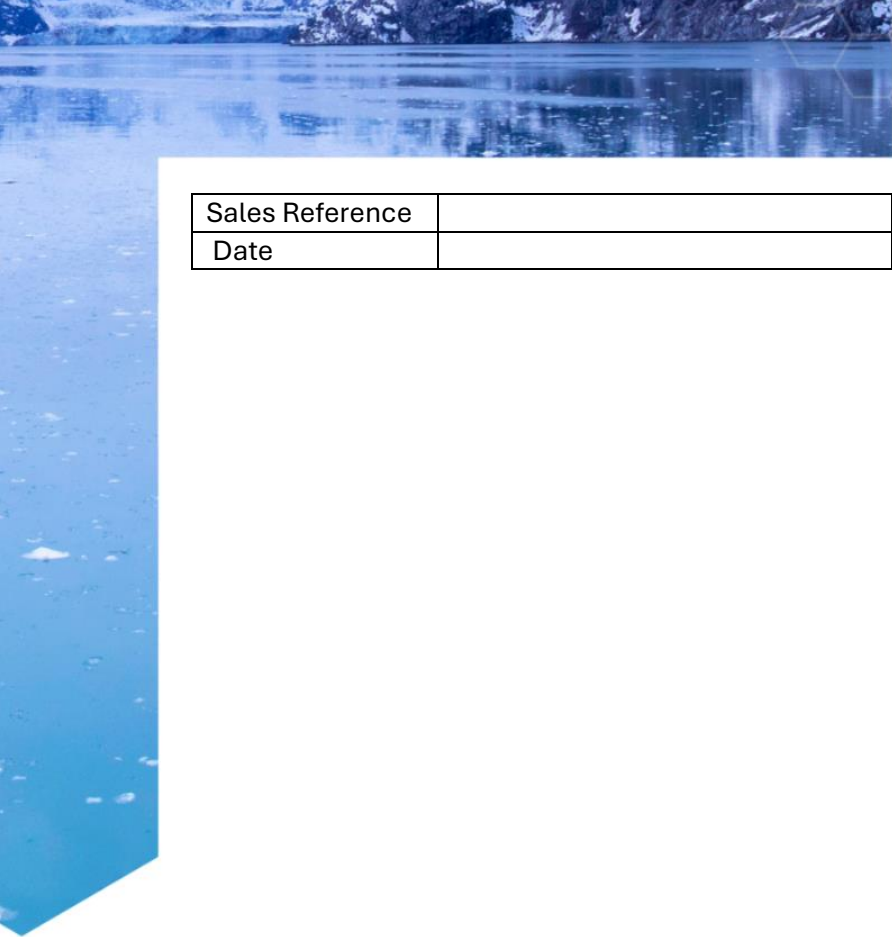
Water-Cooled Available, K1xxxxxW

OPTIONS (OP Packs)

Low Temperature Pack; OP00001	Available (to -10°C)
High Temperature Pack; OP00002	Available (to +60°C, 750W)
Non-Return Solenoid Valve Pack; OP00003	Available
CPC Quick Release Connectors; OP00004	Available
Remote Stop-Start; OP00005	Available

ACCESSORIES (AC Packs)

Fluid Adaptors; AC00002	Available
Alternative Cordset; AC00003	Available
Installation Kit; AC00004	Available
Particulate Filter (Wall-mounted, 5 micron); AC00005	Available
Analogue Flowmeter; AC00006	Available
Seismic Mounts; AC00007	Not available
External Manifolds; AC00008	Available



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