

ADMINISTRATIVE DATA

ATC Model Name	G01
ATC K-Series Equivalent	KT1

PHYSICAL ATTRIBUTES

Physical Dimensions (mm)	H 554mm, W 385mm, D 564mm
Construction	Sheet steel gauge 1.5mm, Powder coated
Mounting Type	Castors, 2 swivel, 2 braked (standard)
Acceptable Environment	Indoors (Standard)
Dry Weight (kg)	49kg
Wet Weight (kg)	52kg
Noise level (dB(A)) at 1 meter	≤68dB(A) (92dbA high-ambient fan)
Product IP Rating	IP20
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)	1.4kW
Duty at +30°C ambient, Setpoint +20°C (kW)	1.0kW (High-speed fan)
Refrigerant & Charge	R290, 95g
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
Cooling Fan Airflow	400CFM (680m ³ /h) standard 824CFM (1,400m ³ /h) high-flow

WATER CIRCUIT ATTRIBUTES

Designed Nominal Process Fluid Flowrate	5, 10, 17l/min
Maximum Design Pressure	8 Bar (116psi)
Process Temperature Range (standard)	+4°C to +35°C
Process Temperature Range (extended low temp.)	-10°C
Process Temperature Range (extended high temp.)	+60°C
Maximum Return Line Temperature	+60°C
Pump Options	P5, P10, P17
Visible Level Indicator	Yes
Integrated Drain	No
System Volume	2.75l
Tank Type	Stainless steel, Flow-through
Flow and Pressure Control	Internal, PRV, 20-150psi
Connection Size	½" BSPPF
(Fittings to convert size as needed available)	
Construction Materials	Steel enclosure Hexid Fluid (Propylene Glycol) Coolflow (Ethylene Glycol)
Fluid Compatibility	

ELECTRICAL ATTRIBUTES

(230Vac, 1~, 50Hz) 0-spec	Available, 5A (with heater, 8A)
(Switchable 115Vac, 1~, 60Hz 230Vac, 1~	Available, 115V, 8A (with heater, 12A)
50/60Hz) 7-spec	230V, 5A (with heater, 6.5A)

SAFETY INTERLOCKS, PROTECTIONS, STANDARDS, AND INDICATORS

1st Party Approvals	CE
3rd Party Approvals	ETL
Empty Fluid Reservoir Alarm	Process stop interlock
Low Fluid Flow Alarm	Visual, lamp
Temperature Out of Range Alarm	Visual, lamp
RS485 Comms	Standard
Volt-Free Contacts (Temp, Level, Flow)	Standard
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)

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

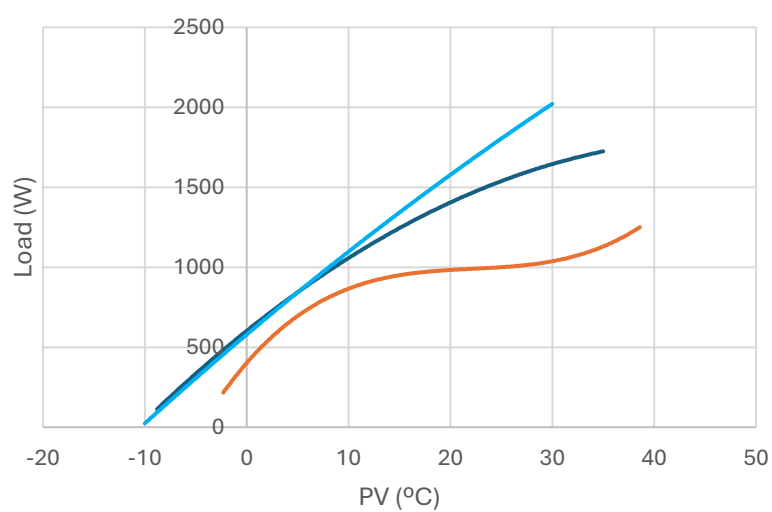
CONFIGURATIONS

Water-Cooled	Available, G01xxxxW
High-Ambient (High Speed Fan)	Available, G01xxxxF

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

CAPACITY CURVES



Poly. (20C amb, std fan, Hexid A4)

Poly. (30 amb, high-speed fan, Hexid A4)

Poly. (20C amb, high-speed fan, Hexid A4)