

ADMINISTRATIVE DATA

ATC Model Name	H03
ATC K-Series Equivalent	K1/K3

PHYSICAL ATTRIBUTES

Physical Dimensions (mm)	H 900mm, W 570mm, D 590mm
Construction	Sheet steel gauge 1.5mm, Powder coated
Mounting Type	Castors, 2 swivel, 2 braked (standard)
Acceptable Environment	Indoors (Standard)
Dry Weight (kg)	83kg
Wet Weight (kg)	86.5kg
Noise level (dB(A)) at 1 meter	75dB(A)
Product IP Rating	IP20
Airfreight	Send without refrigerant
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)	3.4kW
Duty at +30°C ambient, Setpoint +20°C (kW)	2.8kW
Refrigerant & Charge	R454C, 1kg
Ambient Temperature Range (standard)	+4°C to +30°C
Ambient Temperature Range (extended)	-
Control Method	PID, Solenoid valve
Temperature Stability (with constant load)	±0.1°C
Temperature Resolution	±0.1°C
Maximum Total Heat Rejection	
Cooling Fan Airflow	1400 m ³ /h (824 CFM)

WATER CIRCUIT ATTRIBUTES

Designed Nominal Process Fluid Flowrate	5-17l/min (0.3-1.0m ³ /h)
Maximum Design Pressure	8 Bar (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
Visible Level Indicator	Yes
Integrated Drain	No
System Volume	3.5l
Tank Type	Stainless steel, Flow-through
Flow and Pressure Control	Internal, PRV, 20-150psi
Connection Size	½" BSPPF
<i>(Fittings to convert size as needed available)</i>	
Construction Materials	Steel enclosure
Fluid Compatibility	Hexid Fluid (Propylene Glycol) Coolflow (Ethylene Glycol)

ELECTRICAL ATTRIBUTES

<i>(230Vac, 1~, 50Hz) 0-spec</i>	Available
<i>(Switchable 208Vac, 1~/2~, 60Hz 220Vac, 1~/2~, 60Hz 230Vac, 1~, 50Hz) 6-spec</i>	Available

SAFETY INTERLOCKS, PROTECTIONS, STANDARDS, AND INDICATORS

<i>1st Party Approvals</i>	CE
<i>3rd Party Approvals</i>	-
<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>	Standard
<i>Volt-Free Contacts (Temp, Level, Flow)</i>	Standard
<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 MCB
<i>Motor Thermal Overload</i>	Internal, automatic restart
<i>Warranty Options</i>	2-year parts, 1-year labour Enhanced warranty options

CONFIGURATIONS

<i>Water-Cooled</i>	Available, H03xxxxW
<i>High-Ambient (High Speed Fan)</i>	-

OPTIONS (OP Packs)

<i>Low Temperature Pack; OP00001</i>	Available (to -15°C)
<i>High Temperature Pack; OP00002</i>	Available (to +60°C, 750W)
<i>Non-Return Solenoid Valve Pack; OP00003</i>	Available
<i>CPC Quick Release Connectors; OP00004</i>	Available
<i>Remote Stop-Start; OP00005</i>	Available

ACCESSORIES (AC Packs)

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

CAPACITY CURVES

