

ADMINISTRATIVE DATA

ATC Model Name	H05
ATC K-Series Equivalent	K4

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) (95dB high ambient fan)
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)	5.5kW
Duty at +30°C ambient, Setpoint +20°C (kW)	5kW
Refrigerant & Charge	R454C, 1kg
Ambient Temperature Range (standard)	+4°C to +20°C
Ambient Temperature Range (extended)	+4°C to +35°C
Control Method	PID, Solenoid valve
Temperature Stability (with constant load)	±0.1°C
Temperature Resolution	±0.1°C
Cooling Fan Airflow	1400 m ³ /h (824 CFM) standard 2665 m ³ /h (1569 CFM) high-flow

WATER CIRCUIT ATTRIBUTES

Designed Nominal Process Fluid Flowrate	10-25l/min (0.6-1.5m ³ /h)
Maximum Design Pressure	8 Bar (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	P10, P17, P25
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 (Fittings to convert size as needed available)	½" BSPFF
Construction Materials	Steel enclosure Hexid Fluid (Propylene Glycol) Coolflow (Ethylene Glycol)

ELECTRICAL ATTRIBUTES

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

SAFETY INTERLOCKS, PROTECTIONS, STANDARDS, AND INDICATORS

1st Party Approvals	CE
3rd Party Approvals	-
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

CONFIGURATIONS

Water-Cooled	Available, H05xxxxW
High-Ambient (High Speed Fan)	Available, H05xxxxF

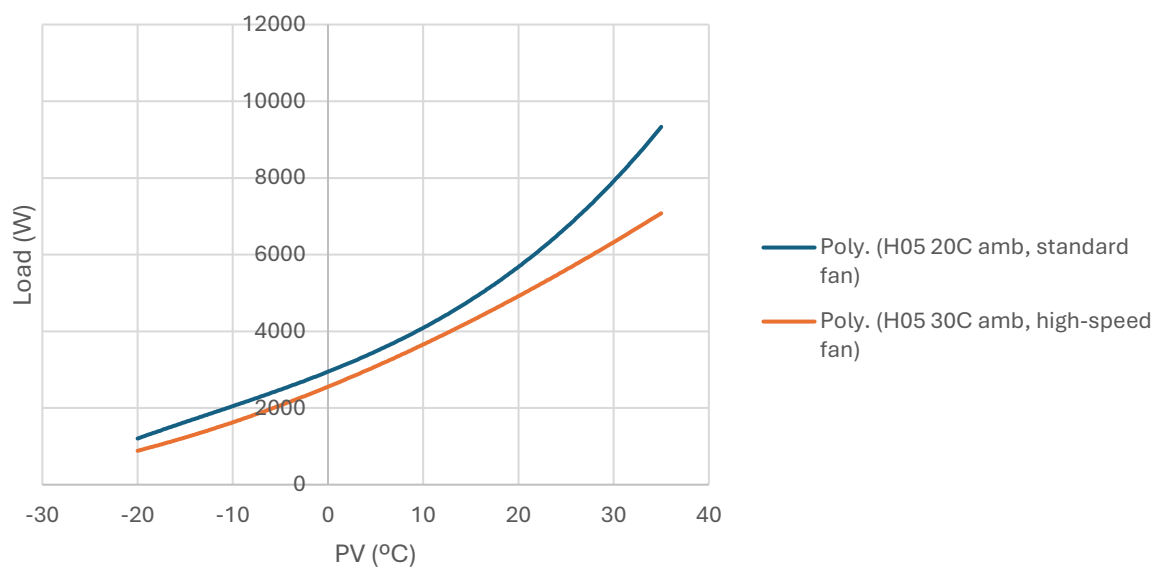
OPTIONS (OP Packs)

Low Temperature Pack; OP00001	Available (to -20°C)
High Temperature Pack; OP00002	Available (to +60°C, 750W @ 240V)
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
Installation Kit; AC00004	Available
Particulate Filter (Wall-mounted, 5 micron); AC00005	Available
Analogue Flowmeter; AC00006	Available
Seismic Mounts; AC00007	Available
External Manifolds; AC00008	Available

CAPACITY CURVES



CURRENT DRAW

