

ADMINISTRATIVE DATA

ATC Model Name	H06
ATC K-Series Equivalent	K6

PHYSICAL ATTRIBUTES

Physical Dimensions (mm)	H 1180mm, W 904mm, D 610mm
Construction	Sheet steel gauge 1.5mm, Powder coated
Mounting Type	Castors, 2 swivel, 2 braked (standard)
Acceptable Environment	Indoors (Standard)
Dry Weight (kg)	144kg
Wet Weight (kg)	155kg
Noise level (dB(A)) at 1 meter	77dB(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)	6.5kW
Duty at +30°C ambient, Setpoint +20°C (kW)	5.5kW
Refrigerant & Charge	R454C, 1.7kg
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	1,600CFM (2,720m ³ /h) standard 3,296CFM (5,600m ³ /h) high-flow

WATER CIRCUIT ATTRIBUTES

Designed Nominal Process Fluid Flowrate	10-80L/m (0.6-4.8m 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, P40, P80
Visible Level Indicator	Yes
Integrated Drain	No
System Volume	11l
Tank Type	Stainless steel, Flow-through
Flow and Pressure Control	Internal, PRV, 20-150psi
Connection Size	½" BSPPF (P10/P17)
(Fittings to convert size as needed available)	1" BSPPF (P25, P40, P80)
Construction Materials	Steel enclosure
Fluid Compatibility	Hexid Fluid (Propylene Glycol) Coolflow (Ethylene Glycol)

ELECTRICAL ATTRIBUTES

(400Vac, 3~, 50Hz) 3-spec Available

(460Vac, 3~, 60Hz) 4-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 Manual

Overcurrent Fault-Cleared Restart Mode Manual

Overcurrent Protection Variable, via thermal magnetic overload

Motor Thermal Overload Internal, automatic restart

Warranty Options 2-year parts, 1-year labour

Enhanced warranty options

CONFIGURATIONS

Water-Cooled Available, H06xxxxW

High-Ambient (High Speed Fan) Available, H06xxxxF

OPTIONS (OP Packs)

Low Temperature Pack; OP00001 Available (to -20°C)

High Temperature Pack; OP00002 Available (to +60°C, 2kW @ 400V)

Non-Return Solenoid Valve Pack; OP00003 Available

CPC Quick Release Connectors; OP00004 Available (to P25/ ¼")

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

