

### ADMINISTRATIVE DATA

|                                |            |
|--------------------------------|------------|
| <b>ATC Model Name</b>          | <b>G02</b> |
| <b>ATC K-Series Equivalent</b> | <b>K1</b>  |

### PHYSICAL ATTRIBUTES

|                                       |                                        |
|---------------------------------------|----------------------------------------|
| <b>Physical Dimensions (mm)</b>       | H 554mm, W 435mm, D 675mm              |
| <b>Construction</b>                   | Sheet steel gauge 1.5mm, Powder coated |
| <b>Mounting Type</b>                  | Castors, 2 swivel, 2 braked (standard) |
| <b>Acceptable Environment</b>         | Indoors (Standard)                     |
| <b>Dry Weight (kg)</b>                | 60kg                                   |
| <b>Wet Weight (kg)</b>                | 63kg                                   |
| <b>Noise level (dB(A)) at 1 meter</b> | ≤68dB(A) (92dbA high-ambient fan)      |
| <b>Product IP Rating</b>              | IP20                                   |
| <b>Airfreight</b>                     | Send charged                           |
| <b>Sea Freight</b>                    | Send charged                           |

### TEMPERATURE CONTROL ATTRIBUTES

|                                                   |                                                                                     |
|---------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>Cooling/Refrigeration Technology</b>           | Vapour compression                                                                  |
| <b>Compressor Type</b>                            | Fixed speed reciprocating                                                           |
| <b>Evaporator Technology</b>                      | Brazed Plate Heat Exchanger (BPHE)                                                  |
| <b>Duty at +20°C ambient, Setpoint +20°C (kW)</b> | 2.15kW                                                                              |
| <b>Duty at +30°C ambient, Setpoint +20°C (kW)</b> | 2.1kW (High-speed fan)                                                              |
| <b>Refrigerant &amp; Charge</b>                   | R290, 95g                                                                           |
| <b>Ambient Temperature Range (standard)</b>       | +4°C to +20°C                                                                       |
| <b>Ambient Temperature Range (extended)</b>       | +4°C to +35°C                                                                       |
| <b>Control Method</b>                             | PID, Solenoid valve                                                                 |
| <b>Temperature Stability (with constant load)</b> | ±0.1°C                                                                              |
| <b>Temperature Resolution</b>                     | ±0.1°C                                                                              |
| <b>Maximum Total Heat Rejection</b>               | .4.7kW                                                                              |
| <b>Cooling Fan Airflow</b>                        | 400CFM (680m <sup>3</sup> /h) standard<br>824CFM (1,400m <sup>3</sup> /h) high-flow |

### WATER CIRCUIT ATTRIBUTES

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

### ELECTRICAL ATTRIBUTES

|                                                                                         |                                                                       |
|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| <b>(230Vac, 1~, 50Hz) 0-spec</b>                                                        | Available, 5A (with heater, 8A)                                       |
| <b>(Switchable 208Vac, 1~/2~, 60Hz   220Vac, 1~/2~, 60Hz   230Vac, 1~, 50Hz) 6-spec</b> | Available, 115V, 8A (with heater, 12A)   230V, 5A (with heater, 6.5A) |

### SAFETY INTERLOCKS, PROTECTIONS, STANDARDS, AND INDICATORS

|                                               |                                                          |
|-----------------------------------------------|----------------------------------------------------------|
| <b>1<sup>st</sup> Party Approvals</b>         | CE                                                       |
| <b>3<sup>rd</sup> Party Approvals</b>         | -                                                        |
| <b>Empty Fluid Reservoir Alarm</b>            | Process stop interlock                                   |
| <b>Low Fluid Flow Alarm</b>                   | Visual, lamp                                             |
| <b>Temperature Out of Range Alarm</b>         | Visual, lamp                                             |
| <b>RS485 Comms</b>                            | Standard                                                 |
| <b>Volt-Free Contacts (Temp, Level, Flow)</b> | Standard                                                 |
| <b>Compressor HP Switch</b>                   | Standard                                                 |
| <b>Interlock Restored, Restart Mode</b>       | Automatic                                                |
| <b>Overcurrent Fault-Cleared Restart Mode</b> | Manual                                                   |
| <b>Overcurrent Protection</b>                 | Standard, via MCB                                        |
| <b>Motor Thermal Overload</b>                 | Internal, automatic restart                              |
| <b>Warranty Options</b>                       | 2-year parts, 1-year labour<br>Enhanced warranty options |

### OPTIONS (OP Packs)

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

### CONFIGURATIONS

|                                      |                     |
|--------------------------------------|---------------------|
| <b>Water-Cooled</b>                  | Available, G02xxxxW |
| <b>High-Ambient (High Speed Fan)</b> | Available, G02xxxxF |

### ACCESSORIES (AC Packs)

|                                                             |           |
|-------------------------------------------------------------|-----------|
| <b>Fluid Adaptors; AC00002</b>                              | Available |
| <b>Alternative Cordset; AC00003</b>                         | Available |
| <b>Installation Kit; AC00004</b>                            | Available |
| <b>Particulate Filter (Wall-mounted, 5 micron); AC00005</b> | Available |
| <b>Analogue Flowmeter; AC00006</b>                          | Available |
| <b>Seismic Mounts; AC00007</b>                              | Available |
| <b>External Manifolds; AC00008</b>                          | Available |

### CAPACITY CURVES

