

EXC-800 Portable 800W Recirculating Liquid Chiller, 110VAC /60Hz (Rev.1.7)



(NOTE: Rev.1.7 of this product has changed the rear fitting threads from G 1/4 BSPP to NPT 1/4in.)

Koolance's EXC-800 is a portable recirculating liquid chiller rated at 800W, or 2730 BTU/hr (@25°C liquid & ambient). Chiller control is based on one of four configurable temperature set-points, including the option to lock liquid to ambient for avoiding condensation or to an external K-type thermocouple sensor (not included).

Along with temperature and set-point, EXC-800 can report internal coolant flow rate, pump RPM, and condenser fan RPM on a customizable 2-line OLED display. An adjustable relay trigger output on the rear of the unit is available based on temperature.

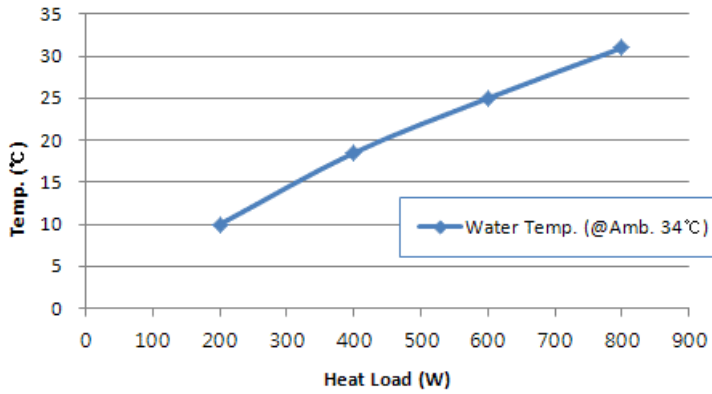
- Cooling capacity: 800W (2730BTU/hr) @ 25°C liquid/ambient
- Temperature options: liquid set-point (1 to 50°C), external thermocouple set-point (1 to 149°C), liquid and ambient delta-T (-50 to 50°C), external thermocouple and ambient delta-T (-50 to 50°C); toggle °C/°F
- Pump: 10 manual levels, up to 11LPM (2.9 GPM)
- Select only values you want displayed on the front 2-line OLED display (fixed or rotating)
- Show pump impeller speed in RPM
- Show coolant flow rate in LPM/GPM
- Show condenser fan speed in RPM
- Adjust audio alarm based on temperature
- Relay trigger can be configured as NO or NC and adjusted based on temperature
- Refrigerant: R-134a
- Power input: 110VAC, 60Hz
- Maximum power consumption @ ambient (approximate): 450W @ 25°C, 650W @ 35°C
- Designed for an operational temperature range of 0-40°C (ambient and liquid)
- Reservoir capacity: 3 liters
- NPT 1/4in threads on back for fittings

NOTE: Requires 110VAC, 60Hz input power. Keep unit upright at all times, and for at least 24 hours before applying power to ensure sufficient oil reaches the compressor.

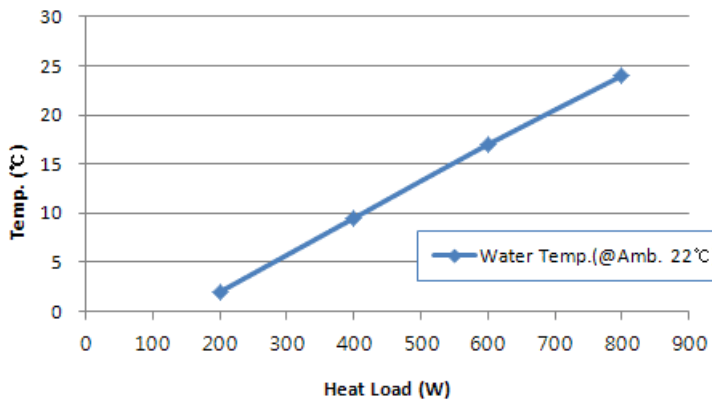
| General | |
|-------------------------------|--|
| Weight | 47.20 lb (21.41 kg) |
| Fitting Thread | NPT 1/4in |
| Max Pressure Tolerance @ 25°C | 2kgf/cm2 (28.5psi) |
| Max Temperature Tolerance | 40°C (104°F) |
| Noise (dBA) | 44-53 |
| Cooling Systems | |
| Cooling Capacity | 800W (2730BTU/hr) @ 25°C liquid & ambient (0°C dT) |
| Display Type | OLED |

| General | |
|----------------------------|---|
| Max Flow Rate (10-13mm ID) | 11LPM (2.9 GPM) |
| Max Power Consumption | 450W @25°C, 650W @35°C |
| Power Source | 110 VAC, 60Hz |
| Temperature Sensors | Liquid & One K-Type Thermocouple (optional) |
| Temperature Stability | +/-1°C |

EXC-800 Water Temperature



EXC-800 Water Temperature



EXC-800 Pump Output

