

COOLER WCA-1800

5.5 kW

EFFICIENT POWER FOR
INDUCTION HEATING



BENEFITS

- Reduced footprint: more compact overall dimensions
- Larger heat exchanger: increased surface area for improved heat dissipation
- Four high-efficiency cooling fans for faster heat exchange and improved temperature recovery
- Higher continuous cooling capacity optimized for modern induction heating workloads
- Maintains stable coolant temperature during continuous induction heating operation
- Faster cooldown and recovery after high-power thermal loads
- Compact design saves valuable floor space
- Reliable thermal performance with minimal operator intervention

FEATURES

- Designed and tested for operation with a wide range of induction heating power supplies
- Closed-loop water cooling system with high-pressure pump and air-to-water heat exchanger
- Low-noise operation enabled by optimized fan airflow and pump selection
- Translucent polypropylene coolant tank with visible water level from both sides
- Convenient back-mounted filling spout
- Non-ferrous fluid circuit eliminates electrolyte-induced contamination
- 9 bar (130 PSI), 12/10 Polyamide PA12 hose
- Factory-set coolant flow rate optimized for induction heating applications
- Simple, reliable architecture for minimal maintenance

HEADQUARTERS

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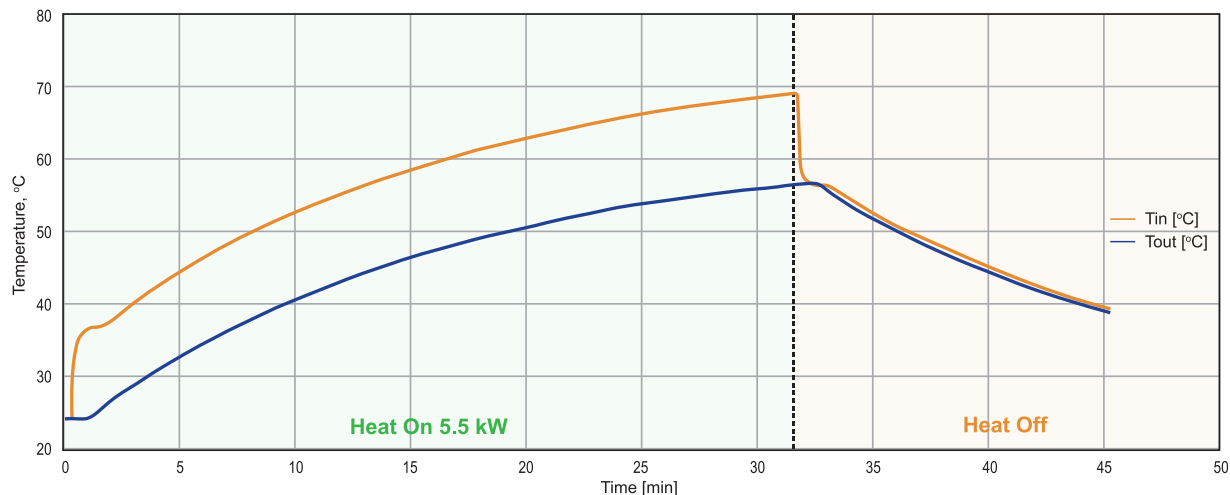


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TEMPERATURE DIAGRAM



Coolant inlet / outlet temperature during 5.5. kW heating cycle, followed by cooldown (Heat On / Heat Off)

SPECIFICATIONS

WCA-1800 (1ACC-900-200-00)	
Product Model	WCA-1800
Product Description	Cooling Unit, Water-to-air, WCA-1800, 5.5 kW, 230 VAC, 1 ph, 50/60 Hz
AC Voltage Range	230 ±10% V
AC Line Phases	1 ph
AC Line Frequency	50/60 Hz
Input Current	2 A (rms)
Input Power	0.56 kVA
Cooling Capacity (25°C ambient)	5.5 kW (18,800 BTU)
Operating pressure	6 bar (87 PSI)
Coolant flow rate at 6 bar output pressure	5 LPM (1.32 GPM)
Ambient operating temperature range	0 - 40 °C (32 - 104°F)
Cooling Method	Water-to-Air
Cooling Input/Output connection	G 1/2"
Coolant tank capacity	18 L (4.75 GAL)
Water tank fill input	G 1/2"
Dimensions WxDxH	342 x 608 x 493 mm (13.5 x 23.9 x 19.4 in)
Operating Weight with full tank	57 kg (125.7 lb)