

Cooler XRC-3001-WW

Art.-Nr. 10008641



Description:

- The cooling unit XRC-3001-WW is intended to cool the water circuit.
- The coolant can be water or a mixture of water and antifreeze (water-glycol). Water circulates between the cooling unit and the heat source.
- The water is re-cooled by an air-cooled heat exchanger.

Technical data

Physical dimensions

Length:	450 mm
Width:	270 mm
Height:	400 mm
Weight:	24 kg without filling
Coolant capacity:	8.5 l

Performance data

Cooling capacity:	3000 W (T_{amb} 11 K)
Flow rate:	> 5.4 l/min at 4 bar
Main voltage:	230 V + 10% - 15% 48-62 Hz
Current consumption:	1.8 A
Noise level:	47 dB(A) (50 Hz) Distance 1m in any direction

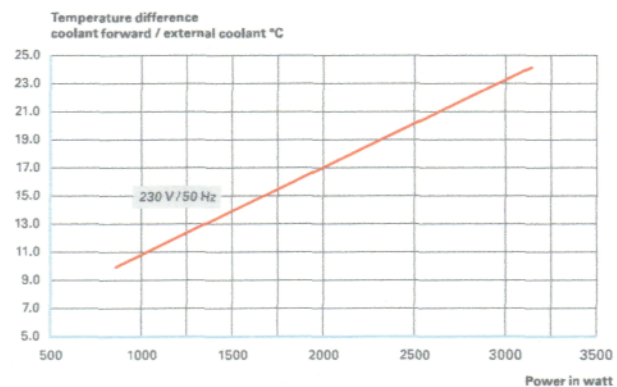
Environmental specifications

Operational temperature:	0°C...+ 40°C (with a correct concentration of antifreeze)
Storage temperature:	-20°C...+ 70°C (3:2 water - glycol)
Air humidity:	10%...90% non condensing

Settings

Maximum forward pressure:	6.7 bar
Flow switch open:	4 l/min
Thermal switch open:	25°C
Thermal switch close:	35°C +/- 3°C

Performance diagram



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Cooler XRC-3001-WA

Art.-Nr. 10008640



Description:

- The cooling unit XRC-3001-WA is intended to cool the water circuit.
- The coolant can be water or a mixture of water and antifreeze (water-glycol).
- Water circulates between the cooling unit and the heat source. The water is re-cooled by an air-cooled heat exchanger.

Technical data

Physical dimensions

Length:	483 mm
Width:	406 mm
Height:	481 mm
Weight:	38.5 kg without filling
Coolant capacity:	4.0 l

Performance data

Cooling capacity:	3000 W ($T_{-11} K$)
Flow rate:	> 5.4 l/min at 4 bar
Main voltage:	230 V + 10% - 15%
	48 - 62 Hz
Current consumption:	~ 2.6 A
Noise level:	55 dB(A) (50 Hz)
	59 dB(A) (60 Hz)
	Distance 1m in any direction

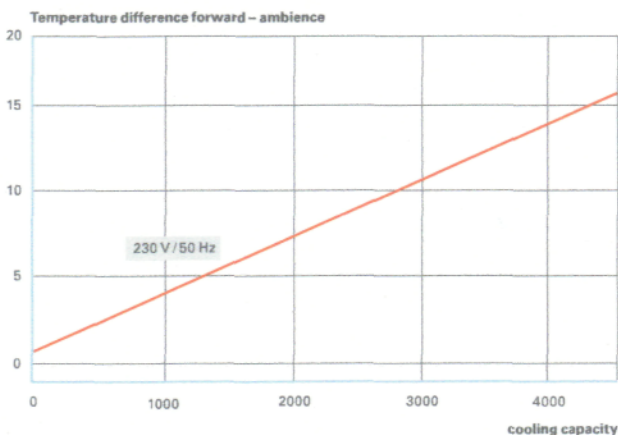
Environmental specifications

Operational temperature:	-10°C...+ 40°C (with a correct concentration of antifreeze)
Storage temperature:	-25°C...+ 70°C (3:2 water-glycol)
Air humidity:	20%...90% non condensing

Settings

Maximum forward pressure:	6.7 bar
Flow switch open:	< 4 l/min
Flow switch close:	> 4.2 l/min
Thermal switch open:	> 50°C
Thermal switch close:	< 45°C

Performance diagram



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Cooler XRC-4501-OA

Art.-Nr. 10008642



Description:

- The cooling unit XRC-4501-OA serves for cooling the oil circulation system.
- Oil circulates in a circuit between the heat source and the cooling unit.
- The oil is recooled by means of an air-cooled heat exchanger.
- The cooling capacity depends on the ambient temperature difference between the cooling oil outlet and ambient temperature of heat source.

Technical data

Physical dimensions

Length:	770 mm
Width:	340 mm
Height:	535 mm
Weight:	53 kg without filling
Coolant capacity:	12.5 l

Performance data

Cooling capacity:	4500 W
Flow rate:	> 14 l/min at 8 bar
Main voltage:	230 V + 10% - 15%
	48-62 Hz
Input Power:	0.785 kW (P_{max} ; 230 V; 50 Hz)
	1.058 kW (P_{max} ; 230 V; 60 Hz)
Noise level:	65 dB(A)
	Distance 1 m in any direction

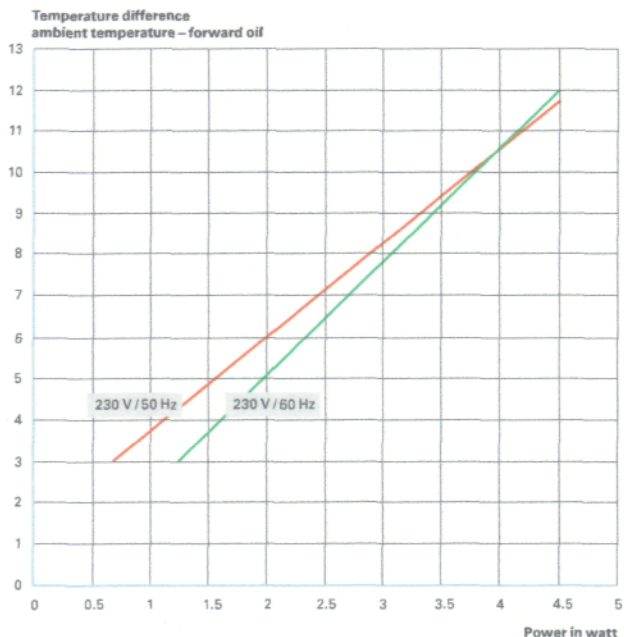
Environmental specifications

Operational temperature:	-10°C...+ 40°C
Storage temperature:	-40°C...+ 70°C
Air humidity:	90% non condensing
Safety class	IP 54

Settings

Maximum forward pressure:	9.5 bar
Flow switch open 1 OFF:	22.0 l/min
Flow switch open 2 OFF:	14.0 l/min
Hysteresis, both monitors:	Max. 1.5 l/min
Thermoswitch:	50°C + 3 K

Performance diagram



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Cooler XRC-4501-OW

Art.-Nr. 10008643



Description:

- The cooling unit XRC-4501-OW is intended for the cooling of an oil circuit.
- Oil circulates between the cooling unit and the heat source.
- The oil is re-cooled by a water-cooled heat exchanger.
- The capacity of the cooling unit depends on the temperature difference between the cooling water and the oil outlet temperature of heat source.

Technical data

Physical dimensions

Length:	621 mm
Width:	350 mm
Height:	551 mm
Weight:	65 kg without filling
Coolant capacity:	23 l

Performance data

Cooling capacity:	4500 W
Flow rate:	> 25 l/min at 3.5 bar
Main voltage:	230 V +/- 10% (50/60Hz)
Pump consumption:	0.55 kW

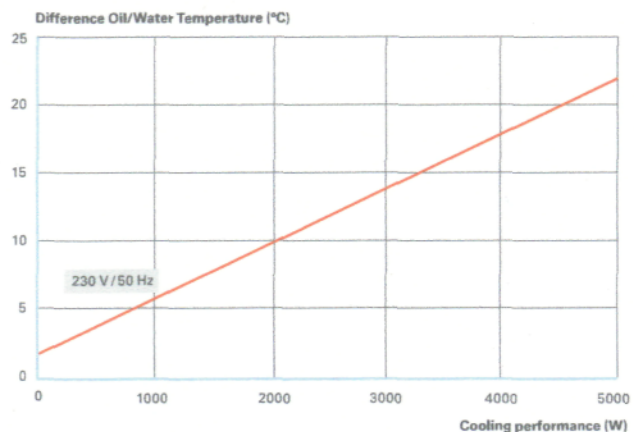
Settings

Maximum forward pressure:	9.5 bar
Flow switch open 1 OFF:	22.0 l/min
Flow switch open 2 OFF:	14 l/min
Hysteresis, both monitors:	Max. 1.5 l/min
Cooling water thermostat:	30°C + 3 K
Thermo switch:	50°C - 3 K

Environmental specifications

Operational temperature:	0°C...+ 40°C
Storage temperature:	25°C...+70°C
Air humidity:	90%

Performance diagram



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