NR50 Chiller Hire Specification

The NR50 Hire Chiller is designed for demanding temporary cooling and process cooling applications across commercial and industrial environments. The unit combines compact deployment with dependable performance, featuring an integrated hydraulic circuit, shell & tube evaporator and wide operating range.

Product Overview

- Robust design for demanding process cooling applications
- Wide operating range from +45°C down to -10°C ambient
- Shell & tube evaporator integrated within storage tank
- Integral circulation pump with nominal 3.3 bar discharge pressure
- Isolation valves and strainers fitted to fluid connections
- Integrated storage tank with level indicator and drain/overflow connections
- Suitable for planned or emergency cooling applications

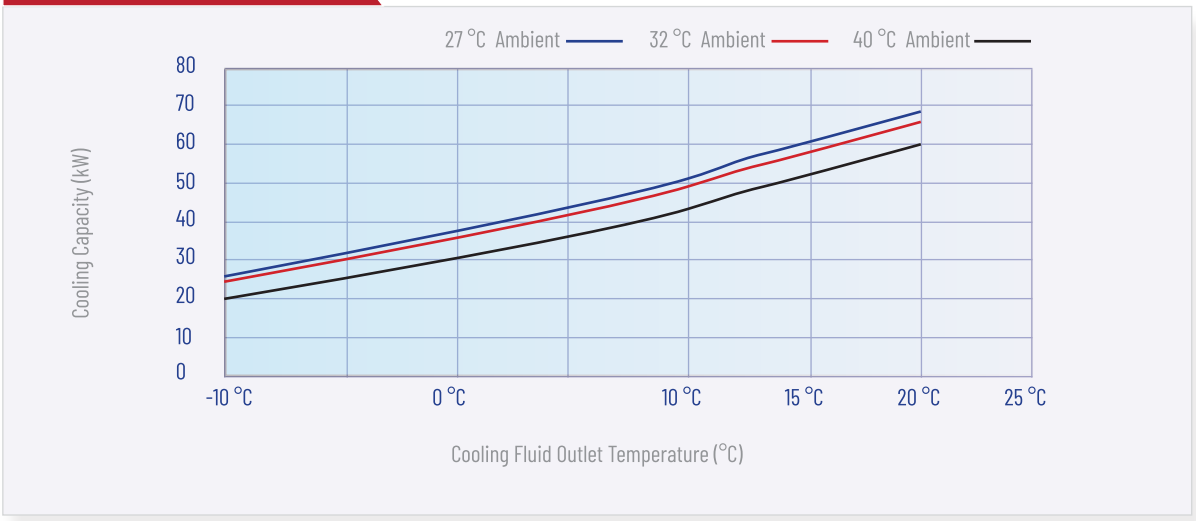
Technical Specifications

Cooling Capacity	~49.4kW
Power Consumption	~13.9kW
EER	~3.55 kW/kW
Operating Range	+45°C to -10°C ambient
Minimum / Maximum Flow Rate	8–17 m³/hr
Power Supply	400V / 3 phase / 50Hz
Power Connection	63A 5 pin plug
IP Rating	IP44
Refrigerant	R410A
Compressor Type	Scroll
Compressors / Circuits / Fans	2 / 1 / 2
Nominal Flow Rate	~10.4 m³/hr
Pump Discharge Pressure	~3.3 bar

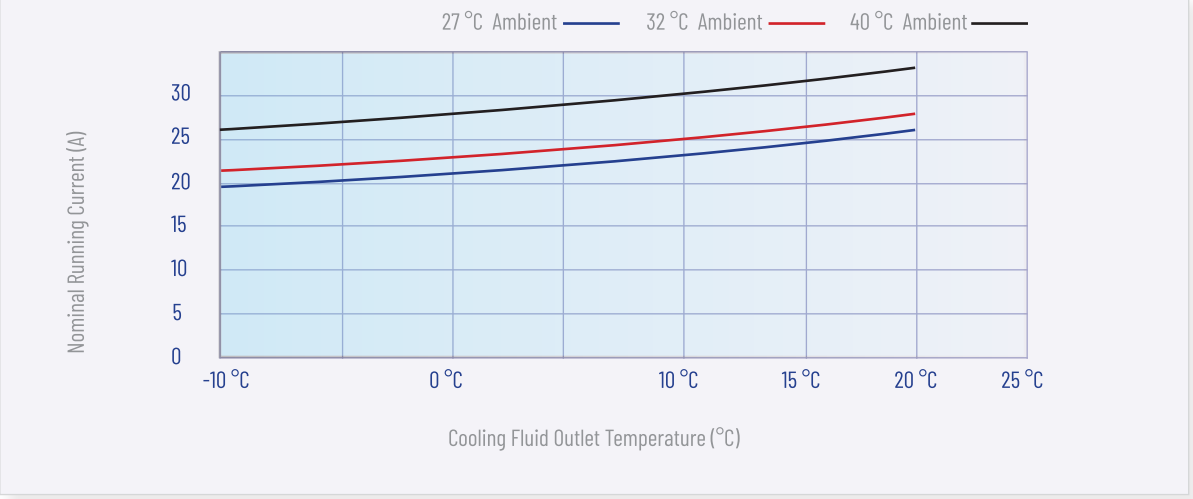
Connections	2” Camlock
Internal Volume	~250 litres
Length	2864 mm
Width	1156 mm
Height	2206 mm
Operating Weight	~1530 kg
Sound Level	~46 dB(A)

Performance data based on operating conditions of +7°C cooling fluid outlet temperature, +12°C cooling fluid inlet temperature and +30°C ambient temperature. Dimensions and operating weights include crash frame.

Cooling Capacity



Nominal Running Capacity



The level of performance provided by each machine depends on the conditions at which it is operating.
The two factors determining performance are ambient air temperature and the required cooling fluid outlet temperature.
The above graphs illustrate the cooling capacity and nominal running current – at three different operating ambient temperatures – based on differing cooling fluid outlet temperatures.