

NR-LTFC50 Low Temperature Fan Coil

NR-LTFC50

Product Overview

Robust design – industrial in-room unit designed for use within various cold storage applications

Integrated defrost heating – allowing programmable automatic defrost cycles for both the heat transfer coil & condensate tray

Wide operating range – capable of supplying air at temperatures as low as -20°C

Energy efficient – equipped with the latest EC fans allowing fan speed to be constantly regulated

Unique wi-fi control – allows for adjustment without the user needing to enter the cold storage area served



Performance Data

Nominal Cooling Capacity (1) 50 kW
Nominal Air Flow Rate 29,800 m³/hr

Operating Limits

Minimum/Maximum Air Outlet Temperatures -20/+60 °C
Maximum Working Pressure 10 bar

Electrical Data

Power Supply 400/3/50 V/ph/Hz
Power Connections 32 A 5 Pin Plug
IP Rating IP55

Hydraulic Circuit

Nominal Cooling Fluid Flow Rate (1) 11.3 m³/hr
Internal Volume 112 Litres
Connections DN50 Flanged
Condensate Drain Connection 1" BSP

Defrost Heaters

Heater Capacity 17.4 kW

Physical Data

Length 3,700 mm
Width 1,120 mm
Height 1,800 mm
Operating Weight 719 kg
Sound Pressure level (2) 54.7 dB(A)

(1) Performance data based on operating conditions of -8°C cooling fluid inlet temperature / -4°C cooling fluid outlet temperature / +4°C air inlet temperature / 15,200 m³/hr nominal air flow rate

(2) Noise level based on LpA at a distance of 3 meters and in accordance with BS EN:13487 Parallel Pipe. This does not allow for any fluctuations based on the integration and operation with other equipment, and should be considered a guide only.

Still have a question?

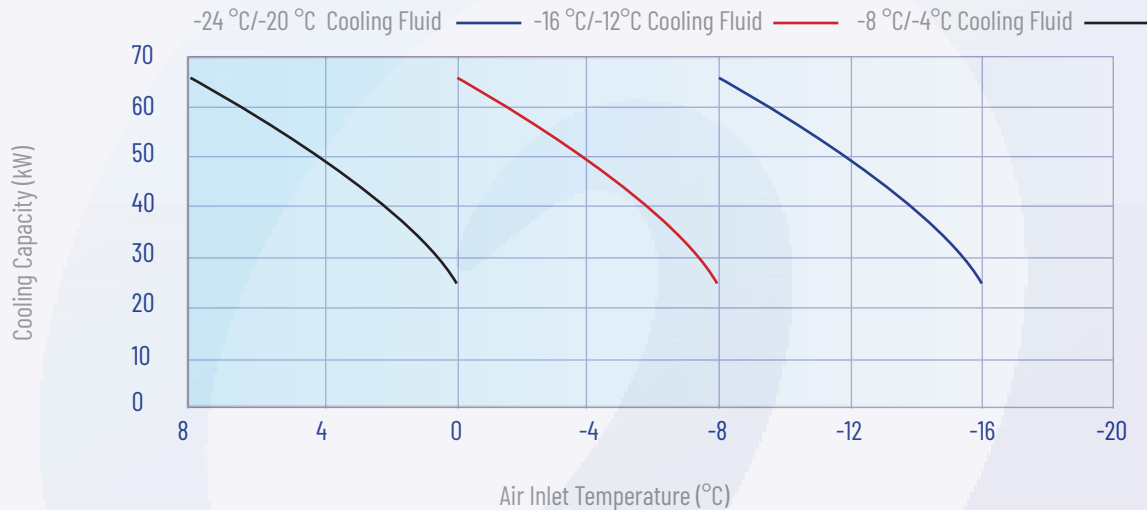
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Cooling Capacity



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 graph illustrates the cooling capacity achieved at three different sets of cooling fluid temperatures – based on differing ambient temperatures.

