Penmann
INNOVATIVE CLIMATIC SOLUTIONS FOR THE FOOD INDUSTRY

NR-10 Hire Chiller

Product Overview

Robust design – Specifically designed for demanding process cooling applications

Ecodesign compliant – all models fully comply with ErP2021 – SEPR HT (EU) 2016/2281 – SEPR MT (EU) 2015/1095

Wide operating range – operates in ambient temperatures from +45°C down to -5°C with cooling fluid supply temperatures between +30°C and -10°C

Pressurised hydraulic circuit – equipped with stainless steel brazed plate evaporator c/w differential pressure switch, integral storage tank c/w level indicator, drain/overflow connections, level switch & integral pressure relief bypass

Integral circulation pump – nominal 3 bar discharge pressure

Isolation valves & strainers – fitted to fluid connections

Performance Data

Nominal Cooling Capacity (1) ..... 9.6 kW
Nominal Power Consumption (1) ..... 2.5 kW
EER (1) ..... 3.84 kW/kW

Operating Limits
Minimum/Maximum Cooling Fluid Flow Rate ..... 20/70 l/min

Electrical Data
Power Supply ..... 400/3/50 V/ph/Hz
Power Connections ..... 16A 5 pin plug
IP Rating IP54

Cooling Circuit
Refrigerant / Compressor Type R410A/Scroll
Number of Compressors / Circuits / Fans 1/1/1

Hydraulic Circuit
Nominal Cooling Fluid Flow Rate (1) ..... 28 l/min
Nominal Pump Discharge Pressure (1) ..... 3.86 bar
Connections ..... 1" Camlock
Internal Volume ..... 100 litres

Physical Data
Length (2) ..... 1,580 mm
Width (2) ..... 860 mm
Height (2) ..... 1,870 mm
Operating Weight (2) ..... 416 kg
Sound Pressure Level (2) ..... 46.9 dB(A)

(1) Performance data based on operating conditions of +7°C cooling fluid outlet temperature / +12°C cooling fluid inlet temperature / +30°C ambient temperature

(2) Dimensions / weights include crash frame

(3) Sound pressure at 10m average value obtained in a free field on a reflecting plane at a distance of 10m from the unit according to EN ISO 9614-2 – tolerance +/- 2 dB

Still have a question?

Get in touch with one of our expert team today.

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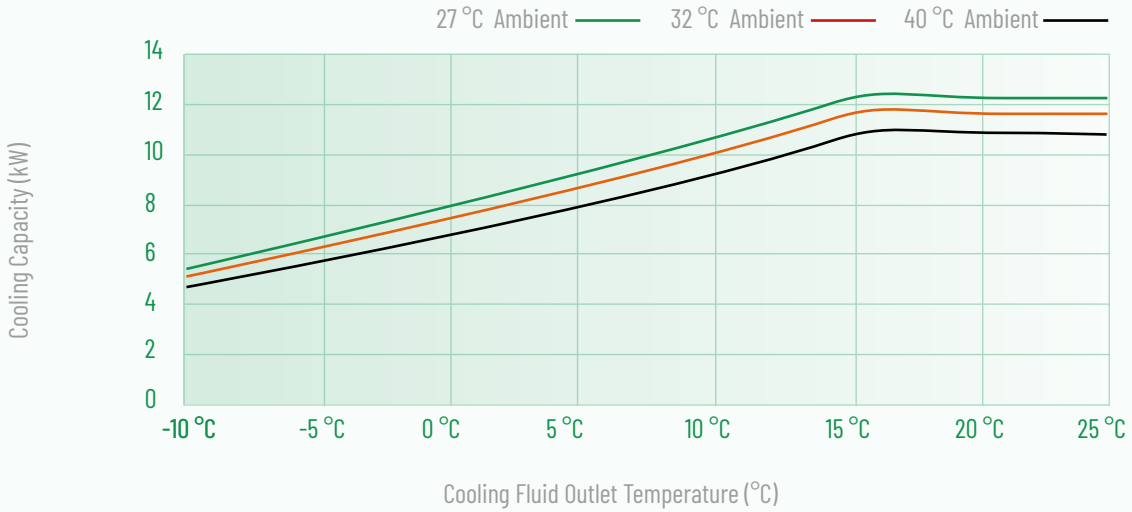
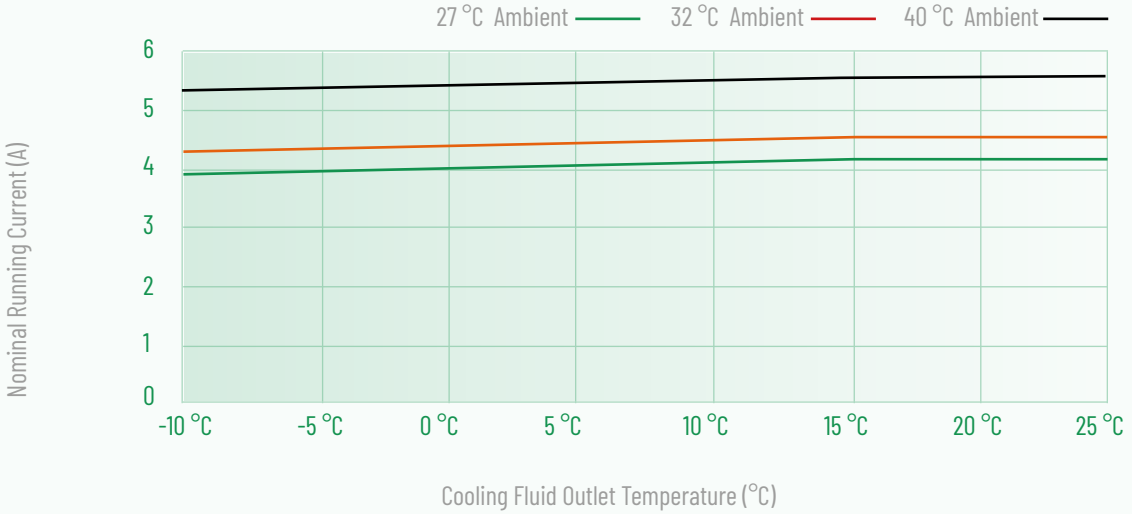
Cooling Capacity



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.