

# NR-20 Hire Chiller

NR-20 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 -10°C with cooling fluid supply temperatures between +30°C and -10°C

**Pressurised hydraulic circuit** – 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) ..... 18.2 kW  
Nominal Power Consumption (1) ..... 4.6 kW  
EER (1) ..... 3.96 kW/kW

### Operating Limits

Minimum/Maximum Cooling Fluid Flow Rate ..... 40/142 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) ..... 52 l/min  
Nominal Pump Discharge Pressure (1) ..... TBA bar  
Connections ..... 1" Camlock  
Internal Volume ..... 170 litres

### Physical Data

Length (2) ..... 2,000 mm  
Width (2) ..... 1,035 mm  
Height (2) ..... 2,336 mm  
Operating Weight (2) ..... 698 kg  
Sound Pressure Level (2) ..... TBA 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.

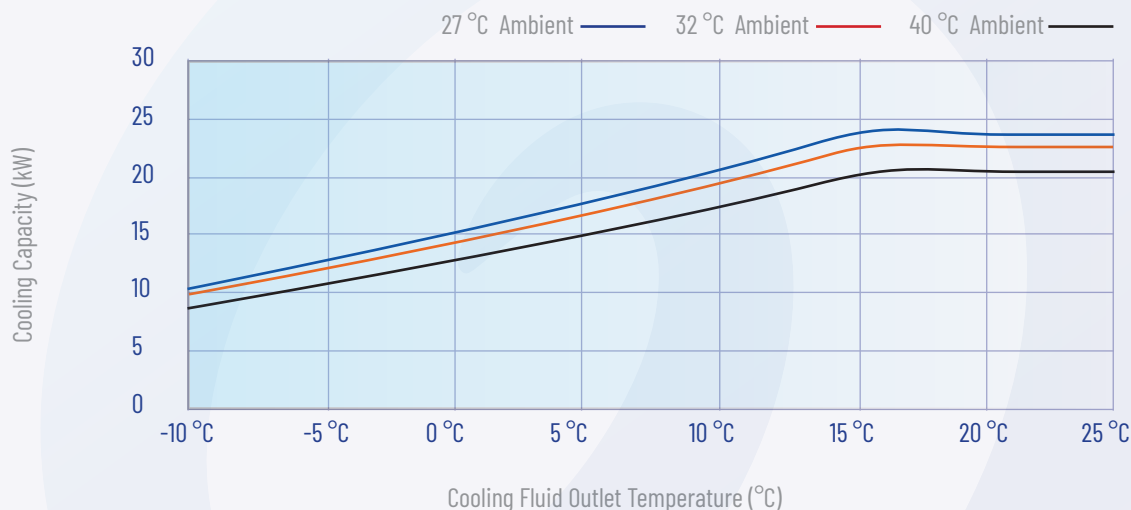
☎ 01422 371711  
✉ sales@newsome.ltd.uk  
🌐 www.newsome.ltd.uk



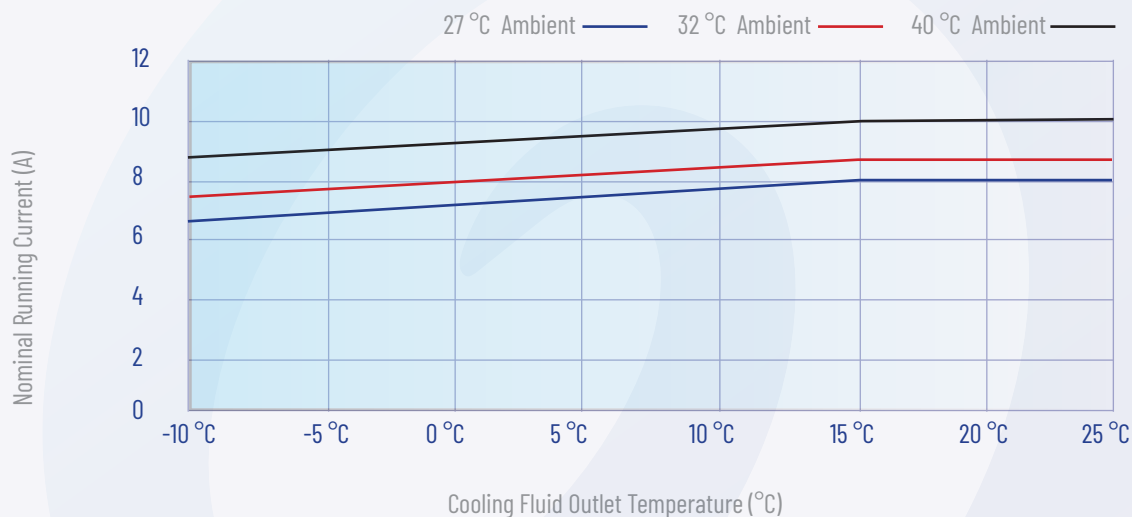


## NR-20 Hire Chiller

### 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.

