



## TECHNICAL SPECIFICATION FOR: 900KW CHILLER

### OVERVIEW

- ✔ Operates in ambient temperatures of up to +45°C
- ✔ Capacity control with 8 no. scroll compressors
- ✔ EC fans included



### DESCRIPTION

Celsius Hire's 900KW CHILLER is an eco-design compliant model offering a large temperature range thanks to a refrigerant circuit composed of R410A and 8 no. scroll compressors. This allows capacity control for smaller and variable heat loads. The model has a compact footprint, but with its efficient design is able to operate in ambient temperatures of up to 45°C.

The unit is complete with a shell and tube evaporator, flow switch and associated safety switches. This, coupled with Celsius Hire's full supporting range of pump sets, buffer tanks, cables and hoses allows installation on a wide range of applications, from process cooling to HVAC systems.

## CELSIUS HIRE

Call for your rental on:  
**0800 702 2161**

Visit it us at:  
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All data is subject to change and continuous improvement without notice. All equipment is designed to relevant mechanical and electrical directives

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## PERFORMANCE DATA AT DESIGN CONDITIONS

DESIGN CONDITIONS	°C	7°C Supply / 12°C Return / 30°C Ambient
COOLING CAPACITY	KW	900
DESIGN FLUID FLOW	L/S	43

## OPERATING LIMITS

MIN/MAX FLUID LEAVING TEMPERATURE	°C	-10 / +20
MIN/MAX AMBIENT TEMPERATURE	°C	-10 / +45
MIN/MAX FLUID FLOW	L/S	36 / 58
CHILLER WATER VOLUME	L	250
MAX WORKING PRESSURE	Bar	10
MIN/MAX FLUID LEAVING TEMPERATURE	°C	-10 / +20

## ELECTRICAL DATA

ELECTRICAL SUPPLY VOLTAGE	V	410
SUPPLY		3Ph & E, No Neutral
POWER CONNECTIONS	Inside Panel	12mm lugs
FULL LOAD RUNNING CURRENT (MAX)	A	652
START-UP CURRENT (MAX)	A	1002
MAX POWER ABSORBED	KW	272

## PHYSICAL DATA

LENGTH	mm	5952
WIDTH	mm	2302
HEIGHT	mm	2495
WEIGHT (DRY)	KG	5345
WEIGHT (WET)	KG	5600

## COOLING SYSTEM DATA

REFRIGERANT GAS	HFC	R410A
REFRIGERANT QUANTITY	Kg (Total)	146KG
NUMBER OF CIRCUITS	Total	4
NUMBER OF COMPRESSORS	Total	8
NUMBER OF FANS	Total	8
FAN TYPE		EC
FANS AIRFLOW	m3/hr	196,000

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