



## TECHNICAL SPECIFICATION FOR:

# 550KW CHILLER

## OVERVIEW

- ✔ Operates in ambient temperatures of up to +45°C
- ✔ Capacity control with 6 no. scroll compressors
- ✔ EC fans included



## DESCRIPTION

Celsius Hire's 550KW chiller is an eco-design compliant model offering a large temperature range thanks to a refrigerant circuit composed of R410A and 6 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:

[www.celsiushire.com](http://www.celsiushire.com)

Email us at:

[info@celsiushire.com](mailto:info@celsiushire.com)



All data is subject to change and continuous improvement without notice. All equipment is designed to relevant mechanical and electrical directives.

© Celsius Hire.

All rights reserved.

Company No: 12763272

## PERFORMANCE DATA AT DESIGN CONDITIONS

DESIGN CONDITIONS	°C	7°C Supply / 12°C Return / 30°C Ambient
COOLING CAPACITY	KW	550
DESIGN FLUID FLOW	L/S	27

## OPERATING LIMITS

MIN/MAX FLUID LEAVING TEMPERATURE	°C	-10 / +20
MIN/MAX AMBIENT TEMPERATURE	°C	-10 / +45
MIN/MAX FLUID FLOW	L/S	15 / 35
CHILLER WATER VOLUME	L	250
MAX WORKING PRESSURE	Bar	10

## ELECTRICAL DATA

ELECTRICAL SUPPLY VOLTAGE	V	410
SUPPLY		3Ph & E, No Neutral
POWER CONNECTIONS	Inside Panel	12mm lugs
FULL LOAD RUNNING CURRENT (MAX)	A	361
START-UP CURRENT (MAX)	A	738
MAX POWER ABSORBED	KW	152

## PHYSICAL DATA

LENGTH	mm	4305
WIDTH	mm	2280
HEIGHT	mm	2450
WEIGHT (DRY)	KG	3770
WEIGHT (WET)	KG	4170
FLUID COUPLING SIZE	mm	100
SOUND PRESSURE	dB(A) at 10 metres	63

## COOLING SYSTEM DATA

REFRIGERANT GAS	HFC	R410A / R454B
REFRIGERANT QUANTITY	Kg (Total)	92KG
NUMBER OF CIRCUITS	Total	3
NUMBER OF COMPRESSORS	Total	6
NUMBER OF FANS	Total	6
FAN TYPE		EC
FANS AIRFLOW	m3/hr	135,000

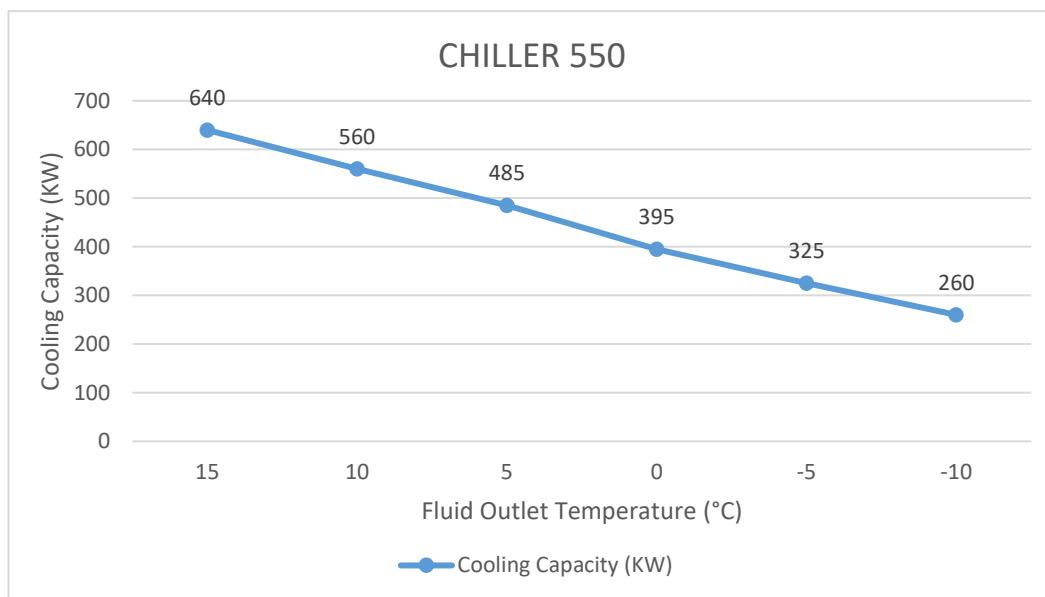


All data is subject to change and continuous improvement without notice. All equipment is designed to relevant mechanical and electrical directives.

© Celsius Hire.

All rights reserved.

Company No: 12763272



This 'de-rate table' is a rough guide as to chiller cooling capacity at different outlet fluid temperatures allowing for quick selection on applications. It is based on a 30°C ambient temperature and glycol mix to suit outlet temperature. For accurate selection we are able to run a full selection on your application.



All data is subject to change and continuous improvement without notice. All equipment is designed to relevant mechanical and electrical directives.

© Celsius Hire.

All rights reserved.

Company No: 12763272