TECHNICAL SPECIFICATION FOR:

300KW CHILLER

OVERVIEW

- Operates in ambient temperatures of up to +45°C
- Capacity control with 4 no. scroll compressors
- Low water leaving temperature option with wide range R410A refrigerant



DESCRIPTION

Celsius Hire's 300KW chiller is an eco-design compliant model offering a large temperature range thanks to a refrigerant circuit composed of R410A and 4 no. scroll compressors. This allows 25%-100% 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

Email us at:

info@celsiushire.com

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	300
DESIGN FLUID FLOW	L/S	15

OPERATING LIMITS

MIN/MAX FLUID LEAVING TEMPERATURE	°C	-10 / +20
MIN/MAX AMBIENT TEMPERATURE	°C	-10 / +45
MIN/MAX FLUID FLOW	L/S	9 / 20
CHILLER WATER VOLUME	L	200
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	190
START-UP CURRENT (MAX)	A	460
MAX POWER ABSORBED	KW	82.8

PHYSICAL DATA

LENGTH	mm	3,380
WIDTH	mm	2,270
HEIGHT	mm	2,900
WEIGHT (DRY)	KG	3,010
WEIGHT (WET)	KG	3,210
FLUID COUPLING SIZE	"	4" Camlock
SOUND PRESSURE	dB(A) at 10 metres	60.2
SUITABLE FOR OUTDOOR USE		Yes
INTERNAL PUMP		No

COOLING SYSTEM DATA

REFRIGERANT GAS	HFC	R410A / R454B
REFRIGERANT QUANTITY	Kg (Total)	48KG
NUMBER OF CIRCUITS	Total	2
NUMBER OF COMPRESSORS	Total	4
NUMBER OF FANS	Total	4
FAN TYPE		Axial EC
FANS AIRFLOW	m3/hr	90,000

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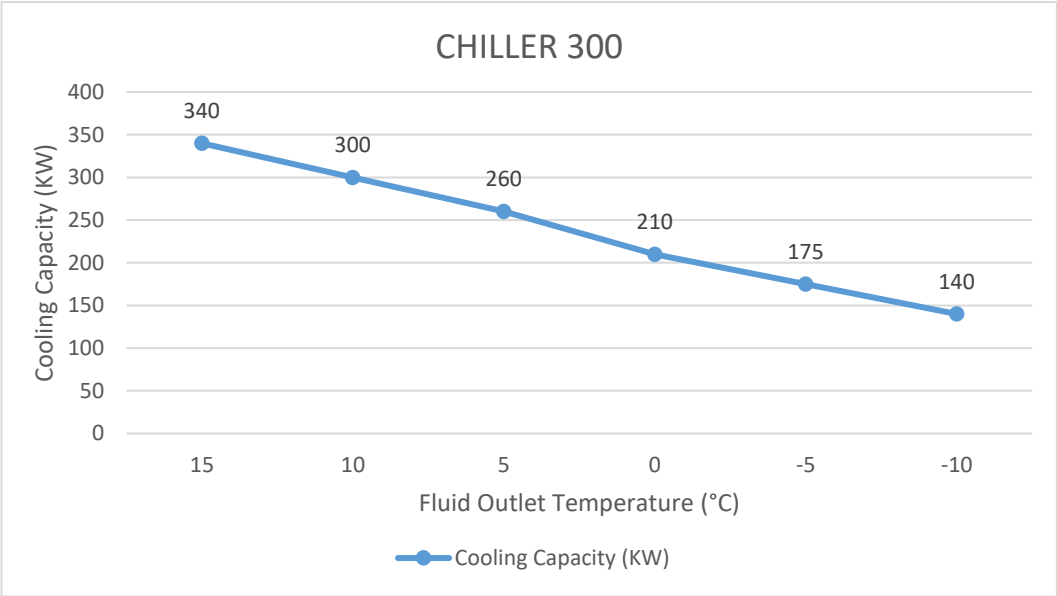
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This 'de-rate table' is a rough guide as to chiller cooling capacity at different outlet fluid temperatures allowing for quick selection on applications. It is based on a 30°C ambient temperature and glycol mix to suit outlet temperature. For accurate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

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