



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

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info@celsiushire.com



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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	2,700
WIDTH	mm	2,230
HEIGHT	mm	2,500
WEIGHT (DRY)	KG	2510
WEIGHT (WET)	KG	2710
FLUID COUPLING SIZE	mm	100
SOUND PRESSURE	dB(A) at 10 metres	60.2

COOLING SYSTEM DATA

REFRIGERANT GAS	HFC	R410A
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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