



TECHNICAL SPECIFICATION FOR:

7KW CHILLER

OVERVIEW

- ✔ Integral 3bar pump
- ✔ Small, compact footprint
- ✔ Shell and tube evaporator immersed in a high volume buffer tank



DESCRIPTION

Celsius Hire 7KW CHILLER is a compact, small footprint unit, selected due to its flexibility and handling across a variety of applications.

The chillers benefit from an integral circulation pump and a packaged evaporator immersed in a high volume buffer tank, enabling steady water/glycol temperatures as a result of increased volume. With a large temperature range of -10°C to +20°C, and Eurovent compliant design enabling great efficiencies even in high ambient temperatures, the Celsius Hire 7KW chiller is a safe bet, no matter the application.

The 7KW chiller can be connected directly onto the client's water/glycol circuit or be coupled with Celsius Hire's large range of fleet and ancillaries to provide air conditioned and low temperature environments..

CELSIUS HIRE

Call for your rental on:

0800 702 2161

Visit it us at:

www.celsiushire.com

Email us at:

info@celsiushire.com



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PERFORMANCE DATA AT DESIGN CONDITIONS

DESIGN CONDITIONS	°C	7°C Supply / 12°C Return / 35°C Ambient
COOLING CAPACITY	KW	7
FLUID FLOW	L/S	0.33

OPERATING LIMITS

MIN/MAX SUPPLY TEMPERATURE	°C	-10 / +20
MIN/MAX AMBIENT TEMPERATURE	°C	-10 / +45
MIN/MAX FLUID FLOW	L/S	0.2/0.4
MAX PUMP DELIVERY PRESSURE	Bar	2.8
CHILLER WATER VOLUME	L	55
MAX WORKING PRESSURE	Bar	6.0

ELECTRICAL DATA

ELECTRICAL SUPPLY VOLTAGE	V	410
SUPPLY		3Ph & E, No Neutral
POWER CONNECTIONS	Fitted Plug	16A 3Ph 5pin CEE-FORM
FULL LOAD RUNNING CURRENT (MAX)	A	9
START-UP CURRENT (MAX)	A	25
MAX POWER ABSORBED	KW	4.5

PHYSICAL DATA

LENGTH	mm	750
WIDTH	mm	680
HEIGHT	mm	1,110
WEIGHT (DRY)	KG	210
WEIGHT (WET)	KG	270
FLUID COUPLING SIZE	"	1" Camlock
SOUND PRESSURE	dB(A) at 10 metres	53.3
SUITABLE FOR OUTDOOR USE		Yes
INTERNAL PUMP		Yes

COOLING SYSTEM DATA

REFRIGERANT GAS	HFC	R134A
REFRIGERANT QUANTITY	Kg (Total)	1.8
NUMBER OF CIRCUITS	Total	1
NUMBER OF COMPRESSORS	Total	1
NUMBER OF FANS	Total	1
FAN TYPE		Axial
FANS AIRFLOW	m3/hr	2.5

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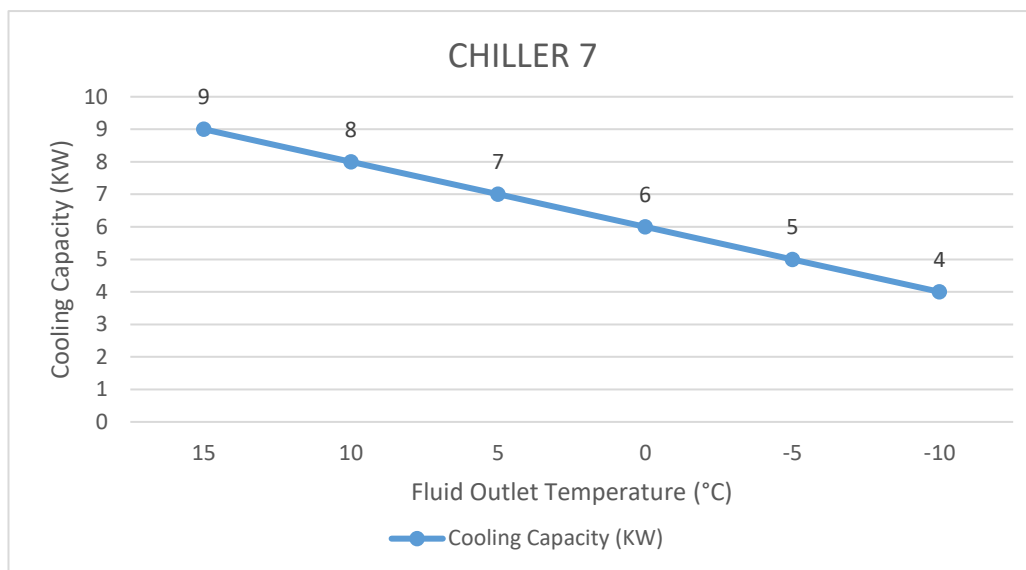


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This 'de-rate table' is a rough guide as to chiller cooling capacity at different outlet fluid temperatures allowing for quick selection on applications. It is based on a 30°C ambient temperature and glycol mix to suit outlet temperature. For accurate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



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