

## TECHNICAL SPECIFICATION FOR:

# 70KW CHILLER

## OVERVIEW

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



## DESCRIPTION

Celsius Hire 70KW 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 -15°C to +25°C, and Eurovent compliant design enabling great efficiencies even in high ambient temperatures, the Celsius Hire 70KW chiller is a safe bet, no matter the application.

The 70KW chiller can be connected directly onto the clients 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:

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## PERFORMANCE DATA AT DESIGN CONDITIONS

DESIGN CONDITIONS	°C	7°C Supply / 12°C Return / 30°C Ambient
COOLING CAPACITY	KW	70
FLUID FLOW	L/S	3.4

## OPERATING LIMITS

MIN/MAX SUPPLY TEMPERATURE	°C	-15 / +20
MIN/MAX AMBIENT TEMPERATURE	°C	-10 / +45
MIN/MAX FLUID FLOW	L/S	2.5/5.0
MAX PUMP DELIVERY PRESSURE	Bar	2.8
CHILLER WATER VOLUME	L	250
MAX WORKING PRESSURE	Bar	6.0

## ELECTRICAL DATA

ELECTRICAL SUPPLY VOLTAGE	V	410
SUPPLY		3Ph & E, No Neutral
POWER CONNECTIONS	Fitted Plug	63A 3Ph 5pin CEE-FORM
FULL LOAD RUNNING CURRENT (MAX)	A	62
START-UP CURRENT (MAX)	A	100
MAX POWER ABSORBED	KW	23

## PHYSICAL DATA

LENGTH	mm	2,900
WIDTH	mm	1,300
HEIGHT	mm	2,100
WEIGHT (DRY)	KG	1,100
WEIGHT (WET)	KG	1,350
FLUID COUPLING SIZE	mm	50
SOUND PRESSURE	dB(A) at 10 metres	56.9

## COOLING SYSTEM DATA

REFRIGERANT GAS	HFC	R410A / R454B
REFRIGERANT QUANTITY	Kg (Total)	25KG
NUMBER OF CIRCUITS	Total	1
NUMBER OF COMPRESSORS	Total	2
NUMBER OF FANS	Total	3
FAN TYPE		Axial
FANS AIRFLOW	m <sup>3</sup> /hr	19,500

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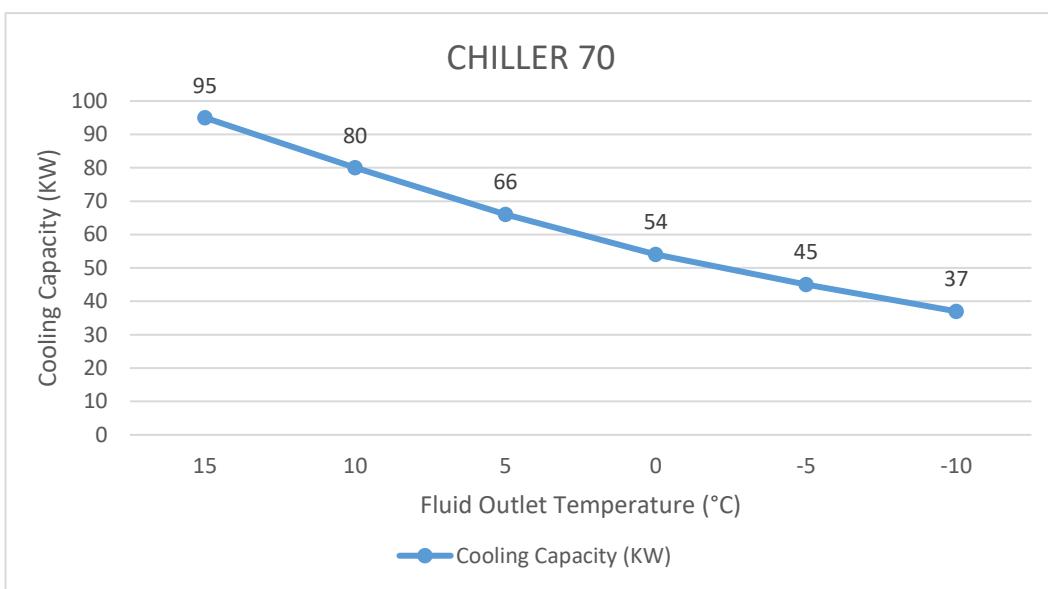
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This 'de-rate table' is a rough guide as to chiller cooling capacity at different outlet fluid temperatures allowing for quick selection on applications. It is based on a 30°C ambient temperature and glycol mix to suit outlet temperature. For accurate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



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