



## TECHNICAL SPECIFICATION FOR: 35KW CHILLER

### OVERVIEW

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



### DESCRIPTION

Celsius Hire 35KW CHILLER is a compact, small footprint chiller, 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  $-15^{\circ}\text{C}$  to  $+25^{\circ}\text{C}$ , and Eurovent compliant design enabling great efficiencies even in high ambient temperatures, the Celsius Hire 35KW chiller is a safe bet, no matter the application.

The 35KW chiller can connected directly onto the clients water/glycol circuit or be coupled

**CELSIUS HIRE**

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**PERFORMANCE DATA AT DESIGN CONDITIONS**

DESIGN CONDITIONS	°C	7°C Supply / 12°C Return / 30°C Ambient
COOLING CAPACITY	KW	35
FLUID FLOW	L/S	2.0

**OPERATING LIMITS**

MIN/MAX SUPPLY TEMPERATURE	°C	-15 / +20
MIN/MAX AMBIENT TEMPERATURE	°C	-10 / +45
MIN/MAX FLUID FLOW	L/S	1.0/4.0
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	32A 3Ph 5pin CEE-FORM
FULL LOAD RUNNING CURRENT (MAX)	A	32
START-UP CURRENT (MAX)	A	50
MAX POWER ABSORBED	KW	15

**PHYSICAL DATA**

LENGTH	mm	1,860
WIDTH	mm	780
HEIGHT	mm	1,635
WEIGHT (DRY)	KG	600
WEIGHT (WET)	KG	850
FLUID COUPLING SIZE	mm	50
SOUND PRESSURE	dB(A) at 10 metres	56.9

**COOLING SYSTEM DATA**

REFRIGERANT GAS	HFC	R410A
REFRIGERANT QUANTITY	Kg (Total)	14KG
NUMBER OF CIRCUITS	Total	1
NUMBER OF COMPRESSORS	Total	2
NUMBER OF FANS	Total	1
FAN TYPE		Axial
FANS AIRFLOW	m3/hr	19.5