



TECHNICAL SPECIFICATION FOR:

125KW HEAT PUMP CHILLER

OVERVIEW

- ✓ Integral 3bar pump
- ✓ Reverse cycle heat pump capability
- ✓ Shell and tube evaporator immersed in a high volume buffer tank



DESCRIPTION

Celsius Hire 125KW heat pump chiller is a compact, small footprint unit, selected due to its flexibility and handling across a variety of applications.

The heat pump 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 +50°C, and Eurovent compliant design enabling great efficiencies even in high ambient temperatures, the Celsius Hire 125KW chiller is a safe bet, no matter the application.

The chiller is a reverse cycle heat pump unit, meaning it can be switched between cooling and heating mode, or automatically change based on an ambient air temperature probe.

The 125KW heat pump 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 be provided heated, air conditioned or low temperature environments.

Celsius Hire

Call for your rental on:

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Visit us at:

www.celsiushire.com

Email us at:

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PERFORMANCE DATA AT DESIGN CONDITIONS

DESIGN CONDITIONS - COOLING	°C	7°C supply / 12°C return / 30°C ambient
COOLING CAPACITY - COOLING	KW	125KW
FLUID FLOW - COOLING	L/S	6.0
DESIGN CONDITIONS - HEATING	°C	40°C supply / 35°C return / 10°C ambient
COOLING CAPACITY - HEATING	KW	130
FLUID FLOW - HEATING	L/S	6.0

OPERATING LIMITS

MIN/MAX SUPPLY TEMPERATURE	°C	-15 / +50
MIN/MAX AMBIENT TEMPERATURE	°C	-10 / +45
MIN/MAX FLUID FLOW	L/S	4.0/8.0
MAX PUMP DELIVERY PRESSURE	Bar	2.8
CHILLER WATER VOLUME	L	500
MAX WORKING PRESSURE	Bar	6.0

ELECTRICAL DATA

ELECTRICAL SUPPLY VOLTAGE	V	410
SUPPLY		3Ph & E, No Neutral
POWER CONNECTIONS	Fitted Plug	125A 3Ph 5pin CEE-FORM
FULL LOAD RUNNING CURRENT (MAX)	A	114
START-UP CURRENT (MAX)	A	200
MAX POWER ABSORBED	KW	44

PHYSICAL DATA

LENGTH	mm	3,930
WIDTH	mm	1,600
HEIGHT	mm	2,120
WEIGHT (DRY)	KG	1,600
WEIGHT (WET)	KG	2,100
FLUID COUPLING SIZE	mm	50
SOUND PRESSURE	dB(A) at 10 metres	62.3

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
FANS AIRFLOW	m ³ /hr	34,000

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