



## TECHNICAL SPECIFICATION FOR:

# 50KW LOW TEMPERATURE FAN COIL

## OVERVIEW

- ✔ Robust design for industrial environments
- ✔ Return air temperature control with 3-way valve assembly
- ✔ Suitable for freezer room applications



## DESCRIPTION

Celsius Hire 50KW LOW TEMPERATURE FAN COIL is a powerful and diverse unit with a huge temperature range, as low as -20°C air off temperatures. The unit requires a chilled water/glycol source to its coil, and this can be done by coupling with a Celsius Hire Chiller or Boiler or connecting to an existing system.

The unit is equipped with defrost elements in the coil, tray and fan enclosure. This, coupled with a bespoke designed control panel and 3-way valve assembly, allows for intelligent automatic defrost cycles.

Enclosed within a galvanised protection frame and supplied with quick release couplers and commando plug electrical connections, this unit is designed with the rental market in mind and allows for fast installation times.

## CELSIUS HIRE

Call for your rental on:  
**0800 702 2161**

Visit it us at:  
**[www.celsiushire.com](http://www.celsiushire.com)**

Email us at:  
**[info@celsiushire.com](mailto:info@celsiushire.com)**



All data is subject to change and continuous improvement without notice. All equipment is designed to relevant mechanical and electrical directives

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## PERFORMANCE DATA AT DESIGN CONDITIONS

COOLING CAPACITY	50	25
AIR OFF TEMPERATURE	°C	0
AIR ON TEMPERATURE	°C	4
WATER/GLYCOL MIX IN/OUT	°C	-8 / -4

## OPERATING LIMITS

AIR OFF TEMPERATURE RANGE MIN/MAX	°C	-20 / 60
FLUID DESIGN FLOW RATE	L/S	3.5
FLUID PRESSURE DROP	kPa	65
MAX WORKING PRESSURE	Bar	10
COIL WATER VOLUME	L	100
CONDENSATE PUMP INCLUDED	Y/N	N

## ELECTRICAL DATA

ELECTRICAL SUPPLY VOLTAGE	V	410
SUPPLY		3-Phase & E (No Neutral)
POWER CONNECTIONS	Fitted Plug	32A 3Ph 5pin BS4343
FULL LOAD RUNNING CURRENT (MAX)	A	24
MAX POWER ABSORBED	KW	17

## AIR LIMITS

TOTAL NUMBER FANS	No.	2
AIRFLOW	M³/hr	23,000
MAX AIR THROW	Metres	35

## PHYSICAL DATA

LENGTH	mm	3250
DEPTH	mm	1240
HEIGHT	mm	1680
WEIGHT (DRY)	KG	685
WEIGHT (WET)	KG	785
FLUID COUPLING SIZE	mm	50
SOUND PRESSURE	dB(A) at 3 metres	75

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