



## TECHNICAL SPECIFICATION FOR:

# 150KW AIR HANDLER UNIT

## OVERVIEW

- ✓ High volume airflow via 2 x 800mm outlets
- ✓ Close fan speed control with fan inverter
- ✓ Robust design for industrial environments



## DESCRIPTION

Celsius Hire 150KW AIR HANDLER is a powerful unit offering up to 20,000m<sup>3</sup>/hr of airflow, providing cooling or heating to large spaces. The unit requires a chilled or hot water source to its coil, and this can be achieved by coupling with a Celsius Hire Chiller or Boiler or connecting to an existing system.

With 2 x 800mm outlet spigots fitted as standard, and Celsius Hire's large range of ducting ancillaries, the unit can be applied to large scale applications such as distribution depot cooling and heating, data centres and supermarkets. Additional features include on-board inverter controlled variable fan speed, flexible connections, and a mounted 32A 3Ph 5pin commando plug.

## CELSIUS HIRE

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

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

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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	KW	150
HEATING CAPACITY	KW	350
TEMPERATURE RANGE (AIR OFF)	°C	10 - 40

## OPERATING LIMITS

FLUID DESIGN FLOW RATE	L/S	6
FLUID PRESSURE DROP	kPa	47
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	18
MAX POWER ABSORBED	KW	11

## AIR LIMITS

TOTAL NUMBER FANS	No.	2
OPTIONAL OUTLET SPIGOT DIAMETER	mm	2 x 800
AIRFLOW	M <sup>3</sup> /hr	20,000
MAX DUCT LENGTH (2 X 800MM)	Metres	40
MAX EXTERNAL PRESSURE AT DESIGN	Pa	650
MAX AIR THROW	Metres	40
VARIABLE FAN SPEED RANGE	RPM	0-2100

## PHYSICAL DATA

LENGTH	mm	2610
WIDTH	mm	1200
HEIGHT	mm	1840
WEIGHT (DRY)	KG	990
WEIGHT (WET)	KG	1090
FLUID COUPLING SIZE	mm	50
SOUND PRESSURE	dB(A) at 10 metres	97

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