



TECHNICAL SPECIFICATION FOR:

50KW-100KW AIR HANDLING UNIT

OVERVIEW

- ✔ Directable airflow via top box or ducting option
- ✔ Integrated condensate pump
- ✔ Fitted with castors



DESCRIPTION

Celsius Hire 50KW-100KW AIR HANDLING UNIT is a powerful unit offering up to 4,500m³/hr of airflow, providing cooling (50KW) or heating (100KW) to large spaces. The unit requires a chilled or hot water source to its coil, and this can be done by coupling with a Celsius Hire Chiller or Boiler or connecting to an existing system.

With a top box fitted as standard, or the option for a 500mm ducting outlet, it is able to be used on a variety of applications, with fast installation speed. Additional features include variable fan speed control, flexible connections, and a mounted 16A single-phase power connection.

CELSIUS HIRE

Call for your rental on:
0800 702 2161

Visit it us at:
www.celsiushire.com

Email us at:
info@celsiushire.com



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PERFORMANCE DATA AT DESIGN CONDITIONS

COOLING CAPACITY	KW	50
HEATING CAPACITY	KW	100
TEMPERATURE RANGE (AIR OFF)	°C	10 - 40

OPERATING LIMITS

FLUID DESIGN FLOW RATE	L/S	2.0
FLUID PRESSURE DROP	kPa	36
MAX WORKING PRESSURE	Bar	10
COIL WATER VOLUME	L	25
CONDENSATE PUMP INCLUDED	Y/N	Y

ELECTRICAL DATA

ELECTRICAL SUPPLY VOLTAGE	V	230
SUPPLY		Single Phase
POWER CONNECTIONS	Fitted Plug	16A 1Ph 3pin BS4343
FULL LOAD RUNNING CURRENT (MAX)	A	7.9
MAX POWER ABSORBED	KW	1.55

AIR LIMITS

TOTAL NUMBER FANS	No.	1
OPTIONAL OUTLET SPIGOT DIAMETER	mm	500
AIRFLOW	M ³ /hr	4,500
MAX DUCT LENGTH (500MM)	Metres	10
MAX EXTERNAL PRESSURE AT DESIGN	kPa	200
MAX AIR THROW	Metres	15
VARIABLE FAN SPEED RANGE	RPM	500-1,900

PHYSICAL DATA

WIDTH	mm	1315
DEPTH	mm	790
HEIGHT – WITHOUT TOP BOX	mm	1980
HEIGHT – WITH TOP BOX	mm	2250
WEIGHT (DRY)	KG	310
WEIGHT (WET)	KG	340
FLUID COUPLING SIZE	mm	50
SOUND PRESSURE	dB(A) at 10 metres	64



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