



TECHNICAL SPECIFICATION FOR: 500KW DRY AIR COOLER

OVERVIEW

- ✔ Quick release water and power connections for quick installation
- ✔ Capacity control with temperature controller
- ✔ EC fans included



DESCRIPTION

Celsius Hire's 500KW DRY AIR COOLER is designed with the hire industry in mind. It comes complete within a protection frame, and is supplied with quick release mechanical connections and a 3-phase commando plug mounted to the unit.

The unit is supplied with a temperature controller, which regulates the fan speed based on delivery set point, for maximum efficiency.

Dry Air Coolers can be applied in multiple ways, from condenser water cooling to heat loading testing large installed boilers.

CELSIUS HIRE

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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

DESIGN CONDITIONS	°C	35°C Supply / 40°C Return / 25°C Ambient
COOLING CAPACITY	KW	500
DESIGN FLUID FLOW	L/S	26

OPERATING LIMITS

MIN/MAX FLUID LEAVING TEMPERATURE	°C	+10 / +70
WATER VOLUME	L	260
MAX WORKING PRESSURE	Bar	10

ELECTRICAL DATA

ELECTRICAL SUPPLY VOLTAGE	V	410
SUPPLY		3Ph & E, No Neutral
POWER CONNECTIONS	Inside Panel	32A 3Ph 5pin commando plug
FULL LOAD RUNNING CURRENT (MAX)	A	18
MAX POWER ABSORBED	KW	12

PHYSICAL DATA

LENGTH	mm	4500
WIDTH	mm	2400
HEIGHT	mm	2400
WEIGHT (DRY)	KG	2500
WEIGHT (WET)	KG	2800
FLUID COUPLING SIZE	mm	100
SOUND PRESSURE	dB(A) at 10 metres	60.7

AIR FLOW DATA

NUMBER OF FANS	Total	6
FAN TYPE		EC
FANS AIRFLOW (TOTAL)	m3/hr	143,000



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