



500kW Adiabatic Cooler

Energy efficient, compressor free cooling unit with optional adiabatic spray system to offer huge, year round heat rejection



Key Features

- Large heat rejection in compact footprint
- Massive energy savings compared with conventional cooling equipment
- Year round free cooling lower than ambient temperature
- Can be used as dry air cooler or adiabatic cooler
- Painted frame for ease of loading and offloading
- Simple to use micro-processor controller
- Ideal for all process applications with water temperatures above 20°C
- Also Ideal as a heat load for commissioning of large heating systems
- Warmer water temperatures results in massive increases in heat rejection up to 2000kW

General Data

Nominal Cooling capacity	kW	552.6
Design Conditions	°C	Ambient: 30 / Entering: 35/ Leaving: 30
Air Temp Switch (Dry to Wet)	°C	Ambient: 22.5
Fluid	-	Water
Outlet Air Temperature	°C	31.9
Nominal Flow Rate	m ³ /hr	86.58
Fluid Velocity	M/S	1.73
Fluid Connections	Inch	6" Flange

Fan Data

Number	-	6
Blade Diameter	mm	910
Speed (Max)	RPM	1100
Power (Per Fan)	-	2653
Power (Total)	Ltrs	15918
Sound Power	dB(A)	94
Noise Pressure Level	dB(A)	61 @ 10M
Maximum Air Off Temperature	°C	50

*Please note, information given is indicative and subject to change at any time



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Adiabatic System Data

Minimum Mains Supply Pressure	Bar	2.5
Total Number of Nozzles	-	36
No. Rows Nozzles per Coil	-	3
Adiabatic System Water Consumption	L/H	862.4
Connections	Inch	1" Camlock

Electrical Data

Maximum Absorbed Current (FLA)	Amps	24
Plug type	-	32a 3ph 5pin plug
Electrical feed	V/ph/Hz	400/3/50 + E (No Neutral)

Dimensions

Length	mm	5310
Width	mm	2230
Height	mm	2565

Weight

Empty Weight	kg	1684
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Our Hire fleet also includes:



AHUs



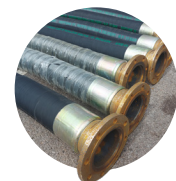
Heat Exchangers



Wide Chiller Range



Glycol



Hoses & Fittings

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