

12000 CMH INDUSTRIAL AIR COOLED DEHUMIDIFIER

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VFD Start

Dehumidification
Cooling A/C

Application:

- Special for Ship Building, Marine Offshore & Oil Tank of Blasting Paint Application
- Controlling humidity levels in production processes
- Protection of equipment sensitive to corrosion
- Marine drydock to control temperature and humidity level.

SPECIFICATIONS

Model	DH12000
Dimension	
Length	5400 mm
Width	2200 mm
Height	3200 mm
Total Shipping Weight	6000 kg

Duct Connection	φ300mm x 4
Power Supply	380 415V/3Ph/50Hz
Total Input Power	131 kW
Total Input Power Off Heater	86kW
Recommend Breaker	250A

TECHNICAL DATA

Dehumidifying Air Volume	12,000 m3/hr
Nominal Cooling Capacity	240kW
Inlet Condition	20°C~40°C / RH 95%~60%
Supply Air Condition *	Temperature ≤25°C±3°C RH≤45%
Dew Point	9°C~13°C
Working Method	100% Dehumidifying / 100% Air Conditioning
Air Fan	Centrifugal Fan, 15kw, VFD start
Ext. Static Pressure	2,000 Pa
Condenser Coil / Evaporator Coil	Copper tube + Alu Fins with SS Casing + Anti-Corrosive Coating
Condensing Heater	60kw (electric proportional control valve + accurate heating control)
Refrigerant	R134A
Control Type	PLC Auto Control + Manual Control

* Dehumidification Mode

CONTACT US

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Capacity Control 4 Step	25%/50%/75%/100% Auto unloading
Electric Heater	45kW (4 Step)
Compressor Type	60kw Screw
Condenser Fan	2 x 5.5kW
Electrical System	IP54 sealant + protection of electrical linkage, phase default, high and low voltage, overload Protection for electric and pneumatic separately Self-diagnosis Main Circuit Breaker 250A Siemens PLC Siemens Touch Screen
Temperature & humidity control	4 Step Unloading refrigerating + 4 Step auto temperature control electrical Heating + Temperature show at air outlet
Fault Display	Phase sequence protection / compressor fault/ overload display / no air flow in ducting alarming (reserved) / overheating of electrical heater alarming

