

# 12000 CMH INDUSTRIAL AIR COOLED DEHUMIDIFIER



**NEW  
DUAL  
MODE**



## 12000 CMH DEHUMIDIFIER

### 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.
- Spot Cooling / Dehumidification

### SPECIFICATIONS

<b>Model</b> .....	<b>DH12000</b>
<b>Dimension</b>	
Length .....	4200 mm
Width .....	2150 mm
Height .....	2450 mm
Total Shipping Weight .....	4200 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, <b>VFD start</b>
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

# 12000 CMH INDUSTRIAL AIR COOLED DEHUMIDIFIER

Control Type	PLC Auto Control + Manual Control
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

