

BLASTECHNIK

AIR COOLED DEHUMIDIFIER

One of the major issues that arises during the processing of very large steel fabrications is the problem of flash rusting of the part after blasting and prior to painting.

Once the steel has **started to rust** it no longer meets the quality standard required for painting and will require reblasting.

The Relative Humidity level of the air surrounding the part determines how fast the part will corrode. Higher relative humidity levels produce faster corrosion rates.

Lower relative humidity levels will extend the time taken for the part to start to rust.

By reducing the Relative Humidity in the blastroom, Blasttechnik dehumidifiers will slow down this corrosion rate and provide enough time to apply the first coating.

Blasttechnik Air Cooled Dehumidifier can reduce ambient air 15-50°C @ RH95% to 25°C +/- 3°C @ RH45%.



AIR COOLED DEHUMIDIFIER FOR TROPICAL & SUBTROPICAL REGIONS

MODEL	ACD6000	ACD9000	ACD12000	ACD18000
PROCESS AIRFLOW (M3/HR)	6000	9000	12000	18000
COMPRESSOR POWER (KW)	38	45	60	90
PROCESS AIR FAN (KW)	7.5	11	15	22
REHEATING POWER (KW)	27	36	45	80
OUTLET CONNECTION (MM)	Φ250×2	Φ250×3	Φ250×4	Φ250×6
TOTAL POWER (KW)	76.9	100	131	214
EQUIPMENT SIZE (MM)	3400×2000×2450	3600×2050×2500	3800×2100×2550	5200×2200×2800
WEIGHT (T)	3.2	3.5	3.8	4.5
MACHINE STRUCTURE	MOVABLE CONTAINERIZED			
TEMPERATURE CONTROL	HIGH SENSITIVE TEMPERATURE SENSOR + PLC CONTROL + TOUCH SCREEN DISPLAY			
CONDENSER	COPPER TUBE + ALUMINUM FINS WITH GALVANIZED CASING			
EVAPORATOR	COPPER TUBE + ALUMINUM FINS WITH GALVANIZED CASING OR COPPER TUBE + COPPER FINS WITH STAINLESS STEEL CASING			
AIR INTAKE CONDITION	TEMPERATURE: 15~40°C, RH≤95%			
AIR DISCHARGE CONDITION	TEMPERATURE: 25±3°C, RH≤45%			
AIR DISCHARGE PRESSURE	≥ 1200~2500PA			
ELECTRICAL CONTROL	100% REFRIGERATION + 100% HEATING			

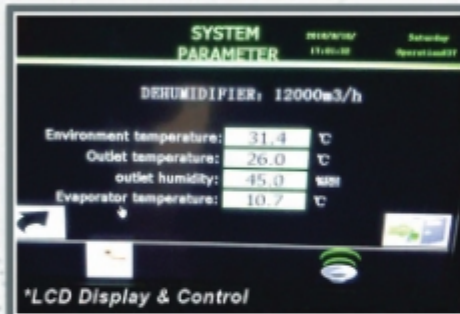
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AIR COOLED DEHUMIDIFIER

Typical Applications of Air Cooled Dehumidifier as follows :

- Surface treatment during blasting and painting of ship blocks and tanks
- Shipping industry, both for permanent and temporary applications
- Controlling humidity levels in productions processes
- Protection of equipment sensitive of corrosion
- Climatic improvements in damp areas

Air Cooled Dehumidifiers are delivered as a complete unit with fans, filters, condensers, evaporator, compressor and controls. The humidifier is ready for site installation and connection to standard-size ducting. Each humidifier will be custom designed according to the local conditions and the needs of the customer.



Note (All Models) :

1. Power Supply : 3-Phase plus earth 380V/415V/50Hz
2. Refrigerant : Environmentally friendly, R134A
3. Cooling Step Control : 25%~50%~75%~100%
4. Cooling Media : Air
5. Discharge Condition : 25±3°C/RH below 45%
6. We have the policy to improve our equipment continuously & shall reserve the rights to change the dimensions and specs without prior notice.

DIMENSION OF AIR COOLED DEHUMIDIFIER

MODEL	ACD6000	ACD9000	ACD12000	ACD18000
LENGTH A (MM)	3400	3600	3800	5200
WIDTH B (MM)	2000	2050	2100	2200
HEIGHT C (MM)	2450	2500	2550	2800
FORKLIFT D (MM)	1400	1400	1400	1400

