



Climate by Design International

2100 Park Drive • Owatonna, MN 55060 • 507.451.2198
 Fax: 507.451.1177 • sales@cdihvac.com • www.cdihvac.com

MS 18,000/15,000 Desiccant Dehumidifier

CDH-RC2-168



Unit Performance / Data

General

Manufacturer Arid Dry by Climate by Design International
 Unit Model Number CDH-RC2-168
 Duct Connections (3) x 20" Supply Air & (3) x 20" Return Air

Dimensions

Length (Base) 140" (11'-8")
 Width 100" (8'-4")
 Height 101" (8'-5")
 Unit Weight (Estimated) 9,500 Lbs.

Electrical

Power Supply 460V / 3PH / 60HZ
 Connections 4 Cam-Lok connectors

Main Power (Electric React)

Main Power (Gas React)

460V / 3PH / 60HZ

DH Power FLA 345
 DH MCA 359
 DH MOP 400

55

Fan Performance

CFM	ESP	MOTOR HP
15,000	6"	(2) 20 HP
18,000	0"	(2) 20 HP

Reactivation Heating

kW	STAGES	VOLTAGE
232	8	480 / 3 / 60

Filter

PROCESS SIZE	EFF.	TYPE
(12) 18" x 20" x 2"	30%	Pleated
REACT SIZE	EFF.	TYPE
(6) 18" x 20" x 2"	30%	Pleated

All filters the same size and efficiency

Gas Usage (Optional Reactivation)

Pressure	CFH/HR	Gallons/HR
	Nat Gas	Propane
7 to 15" W.C.	1100	10

Gas connection 1.5" Max React MBTU 1.155



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Max Air Volume	Moisture Removal	Moisture Removal	Moisture Removal	Moisture Removal	Moisture Removal	Moisture Removal
	Lbs/Hr 80°/60% RH	Gallons/Day 80°/60% RH	Lbs/Hr 55°/80% RH	Gallons/Day 55°/80% RH	Lbs/Hr 40°/80% RH	Gallons/Day 40°/80% RH
17,500	442	1,272	368	1,061	252	728

MS 18000/15000

Product Data

ETL Listed and Approved Mobile Configuration Dehumidification units with the following features

Weather proof Construction- Stainless Steel double wall insulated Construction

Fork tube pocket base

Certified lifting and stacking cage option

20" Round supply and return openings with protective covers

Desiccant wheel with drive system

Full perimeter chain drive with lifetime rating

Viton dual wiper seals with 15 year rating

Backward incline non-overloading fans-Process Air

Variable fan speed with VFD option

Power connection for main power including Cam style locks for easy field connection

Operation and Fault indicator lights

Hour Meter

BACnet / IP compatible Controller

Two Dewpoint and Temperature transmitter Inputs (transmitter by others)

Phase monitor protection

Gas Pressure Gauges for inlet and operating pressure (gas units only)

Gas pressure safety switch

Replaceable filter 2" 30% industrial filter

Design that allow for shipping of 4 units on one truck

For more information contact:

Arid Dry sales@cdihvac.com