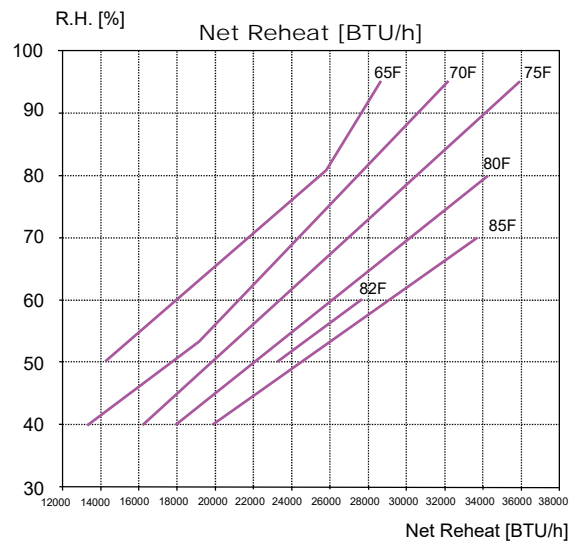
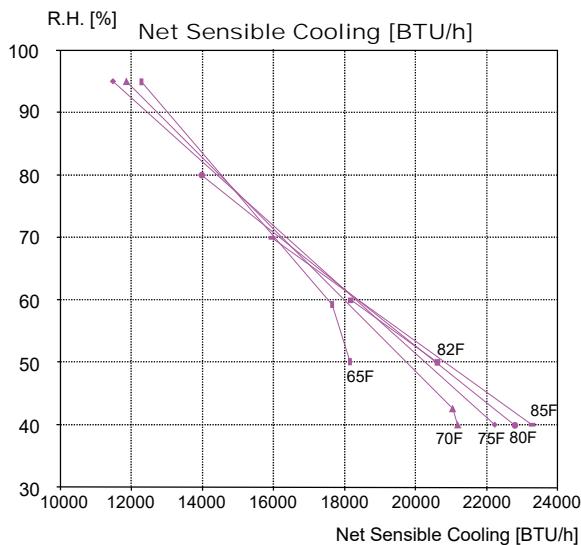


DCA 1500AV AIR COOLED - NON WATER HEATING DEHUMIDIFIER

DCA 1500AVWH WATER HEATING ASSIST DEHUMIDIFIER

PERFORMANCE



Performance	82DB / 50% R.H.	82DB / 60% R.H.	Notes
Moisture Removal, LB/HR	13.9	17.8	1
Net Sensible Cooling, MBH	20.6	18.2	2
Net Reheat, MBH	23.2	27.7	3
Water Heating, MBH (Water Heating Models Only)	44.2	46.0	4

Notes:

1. Reheat mode assuming 1050 BTU/lb
2. Cooling mode with remote condenser at 95F.
3. Defined as sum of latent and compressor input. Use dehumidifier for supplemental heat only.
4. Assuming 85F entering water temperature.
5. For conditions and data not shown contact the factory

CAUTIONS: The reheat capacity rating includes latent recovery and heat of compression. It is recommended that dehumidifier be used for supplemental heat only. The cooling capacity is based on an ambient temperature of 95°F. As outside conditions vary, so will the performance of the dehumidifier. Ratings are subject to change without notice.

DCA 1500AV AIR COOLED - NON WATER HEATING DEHUMIDIFIER  
 DCA 1500AVWH WATER HEATING ASSIST

DESIGN SPECIFICATIONS

Electrical	208/230V	208/230V	460V	575V
Phase/Hz	1/60	3/60	3/60	3/60
Compressor B.T.U.	36,000	36,000	36,000	36,000
Compressor RLA	17.9	13.5	6.0	4.9
Compressor LRA	112	88	44	34
Blower Motor HP	1	1	1	1
Blower Motor FLA	6.4	3.2	1.6	1.5
Unit FLA	25.7	18.1	8.3	7.0
Maximum Fuse Size	40	30	15	12
Minimum Circuit Amp.	30.2	21.5	9.8	8.2
Operating KW	3.89	3.81	3.79	3.90

CFM.....	1500
External Static Pressure.....	0.50" H <sub>2</sub> O
Refrigerant.....	R-410A (Factory Charged 20 lbs.)
Compressor Type.....	Scroll
Filter (Quantity: 2).....	18" x 25" x 1" Fiberglass
Drain Connection.....	1" Bar Drain
DCA 1500AV Weight.....	585 lbs.
DCA 1500AVWH Weight.....	660 lbs.
Liquid Inlet [inches O.D.] (up to 50') <sup>1</sup> .....	0.5
Hot Gas Outlet [inches O.D.] (up to 50') <sup>1</sup> .....	0.75
Water Inlet [inches O.D.].....	0.875
Water Outlet [inches O.D.].....	0.875
Water Flow G.P.M. <sup>2</sup> .....	5.0
Pressure Drop (Ft. WC) <sup>2</sup> .....	3.9

<sup>1</sup> Over 50ft contact factory

<sup>2</sup> Water Flow data based on 60% RH + Return Air 82°F and Pool Water at 85°F

STANDARD FEATURES

- MET Laboratory Safety Listed To UL 1995
- 3 Year Part Warranty
- Single Refrigeration Circuit
- Single Scroll Compressor
- Powder Coated, Galvannealed Steel Cabinet
- Low Ambient Head Pressure Control
- Remote Condenser Ready
- Rifle Tube Refrigeration Coils
- TEFC Blower Motor
- Stainless Steel Condensate Drain Pan
- Standard Microprocessor Control System (WH Models Only)
- ElectroFin Coated Coils

OPTIONAL FEATURES

- Right Side Return Air
- Horizontal Discharge (Not Field Convertible)
- Extended Surface Filters 2" & 4"
- Outdoor Make Up Air Flange Opening (Damper & Filter by Others)
- External Static Upgrade
- Water Cooled Condenser For Water Heating Or A/C Available
- Motorized Evaporator Bypass Damper
- Remote Ready Delete
- Defrost Timer Package
- Control Options
- Space Heating Options Available