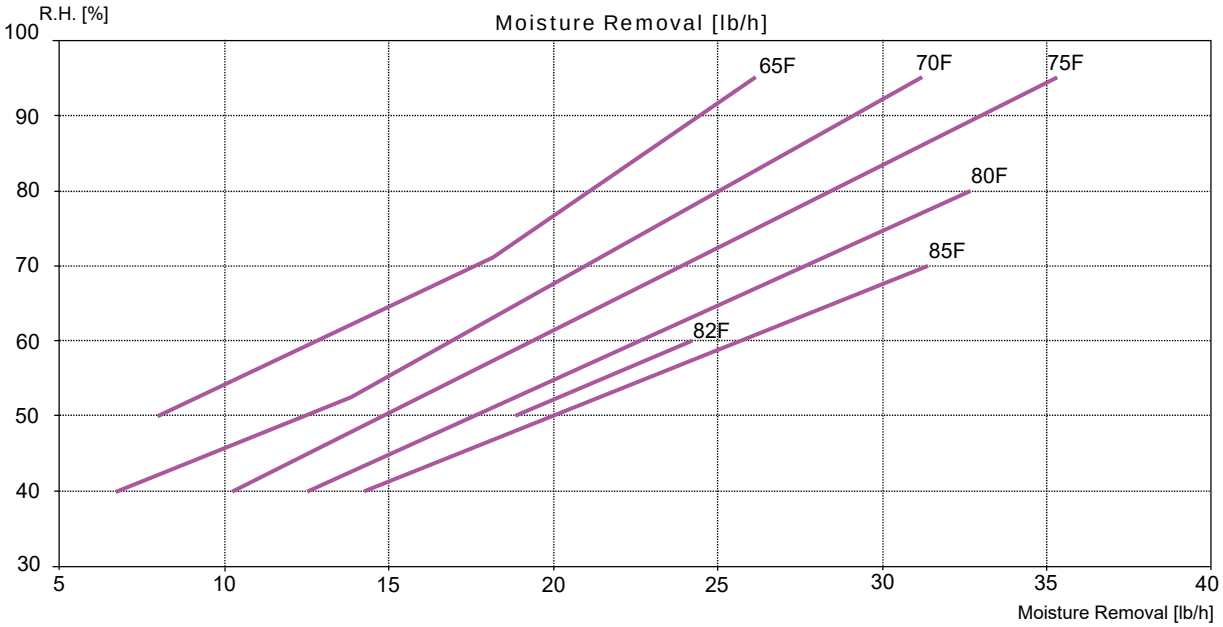
DEHUMIDIFIER CORPORATION OF AMERICA

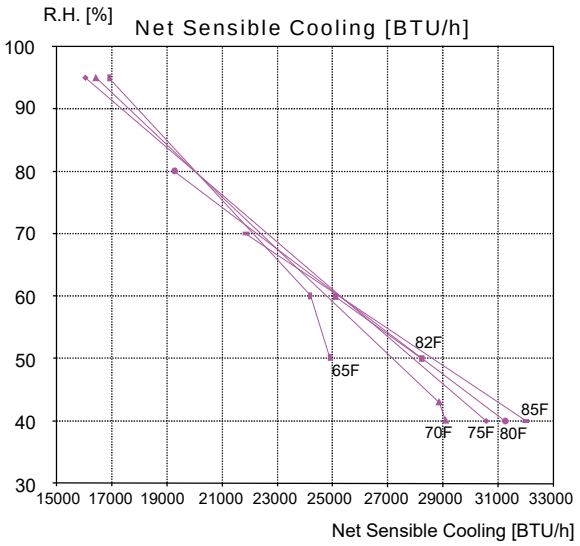
R-410A REFRIGERANT

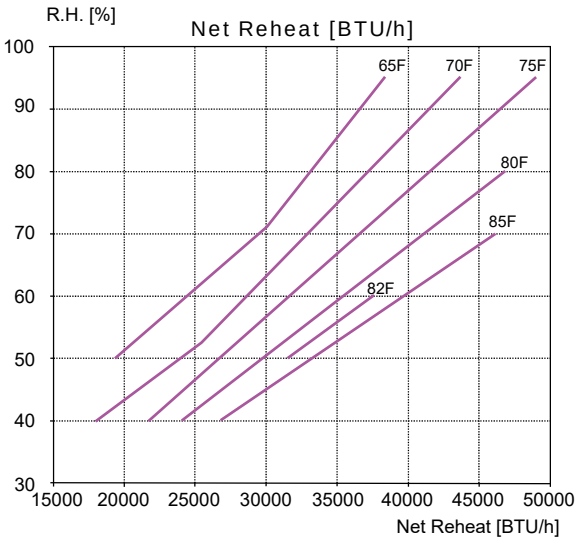
DCA 2000A AIR COOLED - NON WATER HEATING DEHUMIDIFIER

DCA 2000AWH WATER HEATING ASSIST DEHUMIDIFIER

PERFORMANCE







Performance	82DB / 50% R.H.	82DB / 60% R.H	Notes
Moisture Removal, LB/HR	18.9	24.3	1
Net Sensible Cooling, MBH	28.2	25.1	2
Net Reheat, MBH	31.5	37.6	3
Water Heating, MBH (Water Heating Models Only)	60.3	63.1	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 2000A AIR COOLED - NON WATER HEATING DEHUMIDIFIER

DCA 2000AWH 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.	49,400	49,700	50,000	49,700
Compressor RLA	25.0	15.9	7.1	5.1
Compressor LRA	134	110	52	39.5
Blower Motor HP	1.5	1.5	1.5	1.5
Blower Motor FLA	6.5	4.8	2.4	1.9
Unit FLA	32.9	22.1	10.2	7.6
Maximum Fuse Size	60	35	17.5	12
Minimum Circuit Amp.	39.2	26.1	12.0	8.9
Operating KW	5.18	5.22	5.22	5.09

CFM	2000
External Static Pressure	0.50” H_2O
Refrigerant	R-410A (Factory Charged 25 lbs.)
Compressor Type	Scroll
DCA 2000A Filter (Quantity: 2)	18” x 25” x 1” Fiberglass
DCA 2000AWH Filter (Quantity: 2)	20” x 25” x 1” Fiberglass
Drain Connection	1” Bar Drain
DCA 2000A Weight	540 lbs.
DCA 2000AWH Weight	700 lbs.
Liquid Inlet [inches O.D.] (up to 50’)[1]	0.5
Hot Gas Outlet [inches O.D.] (up to 50’)[1]	0.75
Water Inlet [inches O.D.]	1.125
Water Outlet [inches O.D.]	1.125
Water Flow G.P.M.[2]	8.5
Pressure Drop (Ft. WC)[2]	9.9

[1] Over 50ft contact factory

[2] 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 Component Access
- Top or Bottom Discharge (Not Field Convertible)
- Extended Surface Filters 2” & 4”
- Outdoor Installation Package
- Outdoor Make Up Air Assembly with Damper & Filter
- 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
- Other Options Available

DCA DEHUMIDIFIER CORPORATION OF AMERICA

www.dehumidifiercorp.com

W53 N550 HIGHLAND DRIVE
P.O. BOX 0917
CEDARBURG, WI 53012
PHONE: 262-377-7501
FAX: 262-377-7502
E-MAIL: info@dehumidifiercorp.com