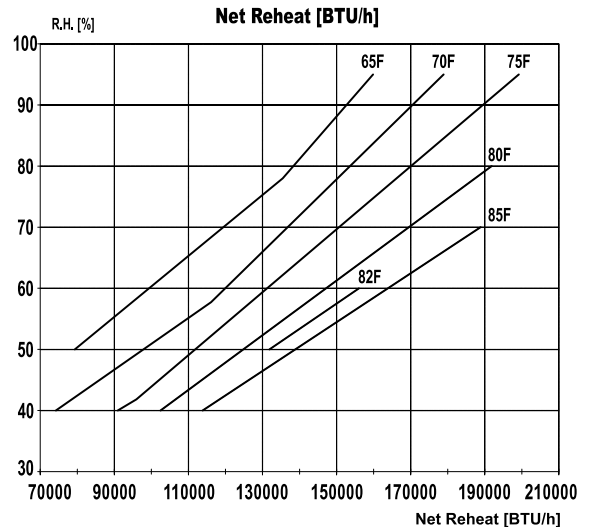
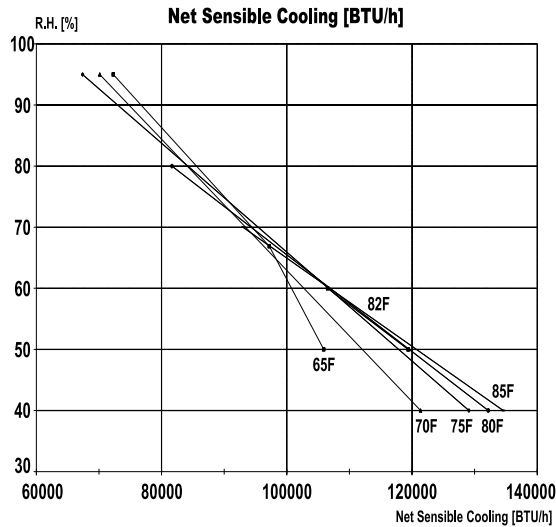
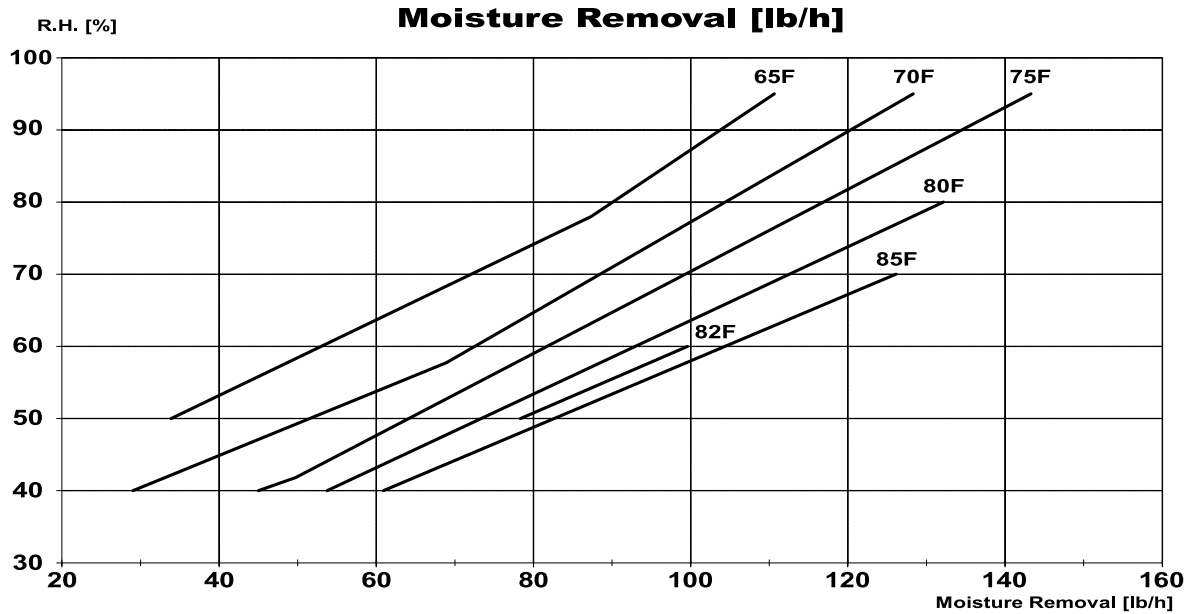


**DCA 8000Y DEHUMIDIFICATION SYSTEM**

**DCA 8000YWH WATER HEATING ASSIST DEHUMIDIFIER**

**PERFORMANCE**



Performance	82DB / 50% R.H.	82DB / 60% R.H.	Notes
Moisture Removal, LB/HR	78.3	99.6	1
Net Sensible Cooling, MBH	119.4	106.5	2
Net Reheat, MBH	131.4	156.0	3
Water Heating - A, MBH (Water Heating Models Only)	126.9	131.8	4,6

- 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
  6. For pool water usually only circuit A is required.

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 8000Y AIR COOLED - NON WATER HEATING

## DCA 8000YWH WATER HEATING ASSIST

### DESIGN SPECIFICATIONS

Electrical	208/230V	460V	575V
Phase/Hz	3/60	3/60	3/60
Compressor M.B.H. A/B	107.5 / 107.5	107.5 / 107.5	107.5 / 107.5
Compressor RLA A/B	28.5 / 28.5	13.5 / 13.5	10.7 / 10.7
Compressor LRA A/B	255 / 255	123 / 123	93.7 / 93.7
Blower Motor HP	7.5	7.5	7.5
Blower Motor FLA	20.0	9.5	7.6
Unit FLA	79.2	37.5	29.9
Maximum Fuse Size	110	50	40
Minimum Circuit Ampacity	86.3	40.9	32.6
Operating KW	21.88	21.57	21.57

CFM.....	8000
External Static Pressure.....	1.00" H <sub>2</sub> O
Refrigerant.....	R-454B (Factory Charged A/B 65 lbs.)
Compressor Type.....	Dual Scroll
Filter (Quantity: 6).....	20" x 25" x 4" Pleated
Drain Connection.....	1" Bar Drain
DCA 8000Y Weight.....	2500 lbs.
DCA 8000YWH Weight.....	2850 lbs.
Liquid Inlet A/B [inches O.D.] (up to 50') <sup>1</sup> .....	0.625/0.625
Hot Gas Outlet A/B [inches O.D.] (up to 50') <sup>1</sup> .....	1.125/1.125
Water Inlet A [inches O.D.].....	1.375
Water Outlet A [inches O.D.].....	1.375
Water Flow A G.P.M. <sup>2</sup> .....	17.0
Pressure Drop A (Ft. WC) <sup>2</sup> .....	4.6

<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

<sup>3</sup> Circuit A indicated by A, Circuit B indicated by B

### STANDARD FEATURES

- Listed To UL 60335-2-40
- 3 Year Part Warranty
- Dual Refrigeration Circuit
- Dual 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
- Motorized Evaporator Bypass Damper
- ElectroFin Coated Coils

### OPTIONAL FEATURES

- Right Side Component Service Access
- Top or Bottom Discharge (Not Field Convertible)
- Outdoor Installation Package
- Outdoor Make Up Air Assembly with Damper & Filter
- External Static Upgrade
- Water Cooled Condenser For Water Heating Or A/C Available
- Remote Ready Delete
- Defrost Timer Package
- Control Options
- Space Heating Options Available
- Other Options Available