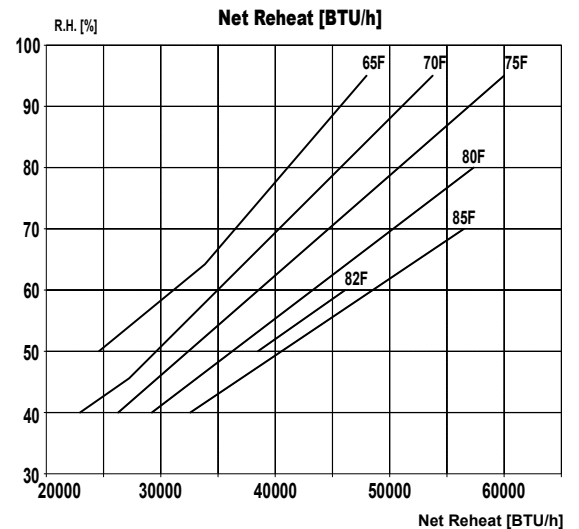
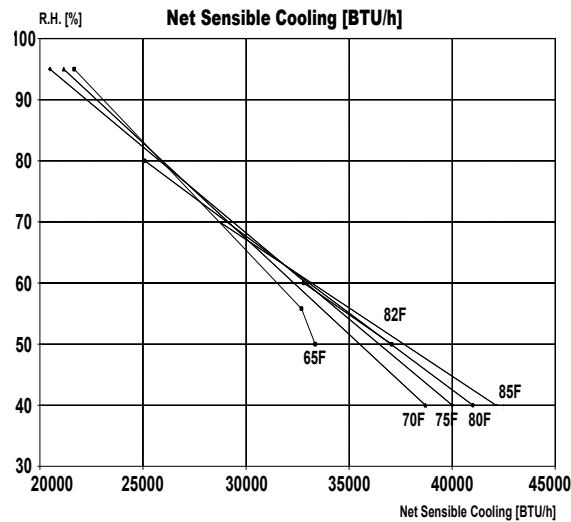
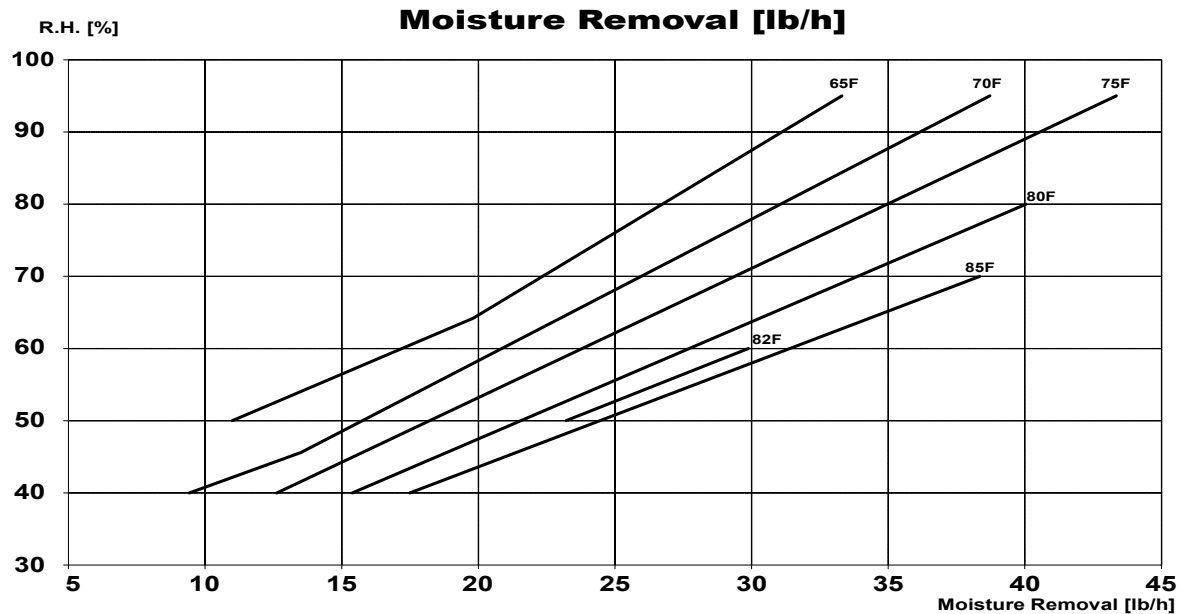


DCA 2500YV AIR COOLED - NON WATER HEATING DEHUMIDIFIER

DCA 2500YVWH WATER HEATING ASSIST DEHUMIDIFIER

PERFORMANCE



Performance	82DB / 50% R.H.	82DB / 60% R.H.	Notes
Moisture Removal, LB/HR	23.2	29.9	1
Net Sensible Cooling, MBH	37.1	32.8	2
Net Reheat, MBH	38.5	46.1	3
Water Heating, MBH (Water Heating Models Only)	76.7	79.6	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 2500YV AIR COOLED - NON WATER HEATING DEHUMIDIFIER

DCA 2500YVWH 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.	62,300	62,700	62,700	62,700
Compressor RLA	30.1	21.2	9.1	7.7
Compressor LRA	170	156.5	74.8	47.8
Blower Motor HP	2	2	2	2
Blower Motor FLA	8.5	6.6	2.9	2.3
Unit FLA	40.0	29.2	12.7	10.6
Maximum Fuse Size	70	45	20	17.5
Minimum Circuit Ampacity	47.5	34.5	15.0	12.5
Operating KW	6.14	6.55	6.31	6.30

CFM.....	2500
External Static Pressure.....	1.00" H ₂ O
Refrigerant.....	R-454B (Factory Charged 25 lbs.)
Compressor Type.....	Scroll
Filter (Quantity: 4).....	16" x 20" x 1" Fiberglass
Drain Connection.....	1" Bar Drain
DCA 2500YV Weight.....	700 lbs.
DCA 2500YVWH Weight.....	760 lbs.
Liquid Inlet [inches O.D.] (up to 50') ¹	0.5
Hot Gas Outlet [inches O.D.] (up to 50') ¹	0.875
Water Inlet [inches O.D.].....	1.125
Water Outlet [inches O.D.]	1.125
Water Flow G.P.M. ²	10.0
Pressure Drop (Ft. WC) ²	6.4

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

- Listed To UL 60335-2-40
- 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 High Efficiency Blower Motor
- Stainless Steel Condensate Drain Pan
- Standard Microprocessor Control System
- 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
- Motorized Evaporator Bypass Damper
- Remote Ready Delete
- Defrost Timer Package
- Control Options
- Space Heating Options Available
- Other Options Available