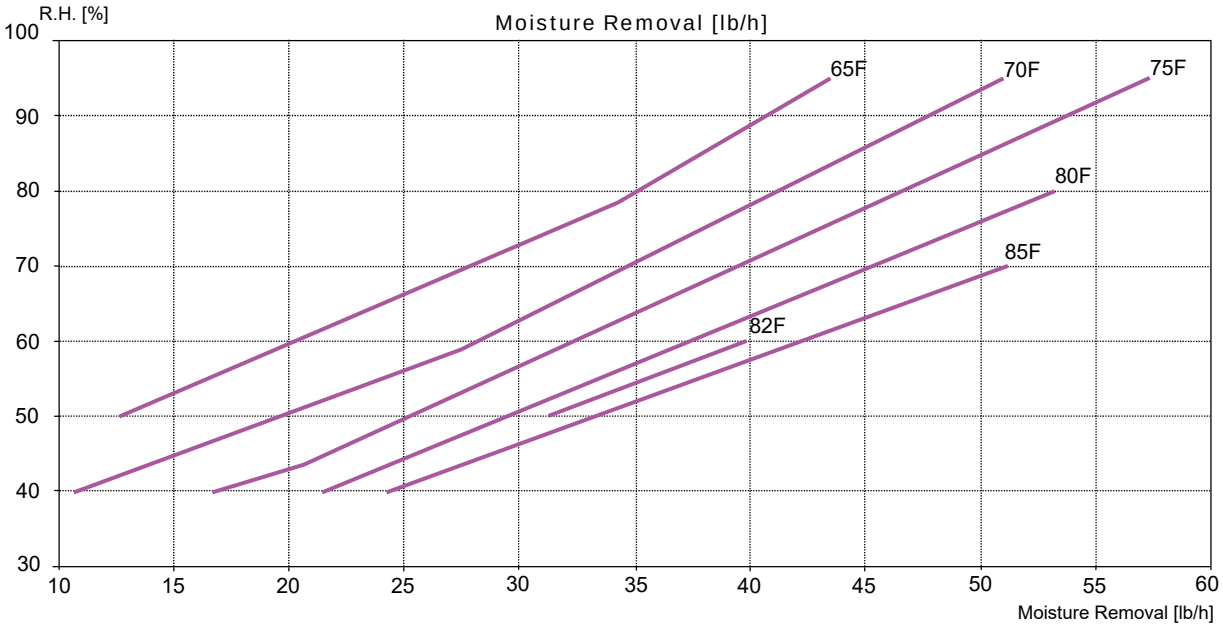
DEHUMIDIFIER CORPORATION OF AMERICA

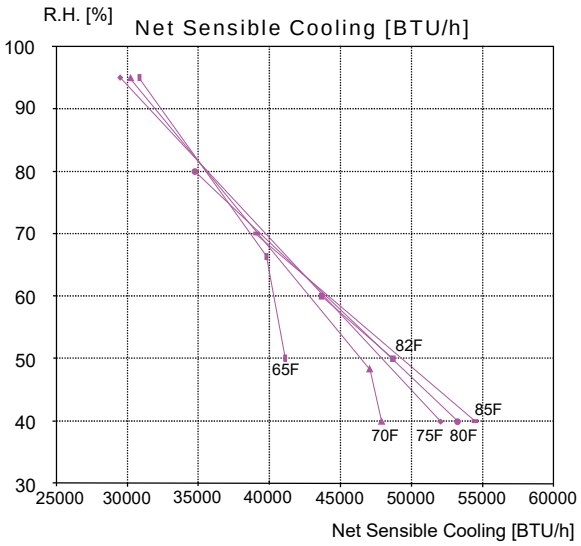
R-410A REFRIGERANT

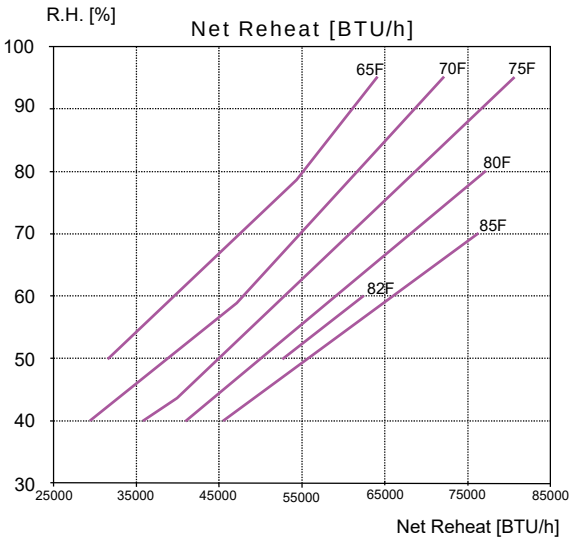
DCA 3300A AIR COOLED - NON WATER HEATING DEHUMIDIFIER

DCA 3300AWH WATER HEATING ASSIST DEHUMIDIFIER

PERFORMANCE







Performance	82DB / 50% R.H.	82DB / 60% R.H	Notes
Moisture Removal, LB/HR	31.3	39.8	1
Net Sensible Cooling, MBH	45.7	40.6	2
Net Reheat, MBH	52.6	62.4	3
Water Heating, MBH (Water Heating Models Only)	99.1	103.3	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 3300A AIR COOLED - NON WATER HEATING DEHUMIDIFIER

DCA 3300AWH 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.	82,500	83,000	83,000	83,000
Compressor RLA	32.1	25.0	12.2	9.0
Compressor LRA	185	164	100	78
Blower Motor HP	2.0	2.0	2.0	2.0
Blower Motor FLA	10.0	6.0	2.9	2.3
Unit FLA	43.6	32.5	15.9	12.0
Maximum Fuse Size	70	60	25	20
Minimum Circuit Amp.	51.7	38.8	19.0	14.3
Operating KW	8.33	8.18	8.12	8.10

CFM	3300
External Static Pressure	0.50” H_2O
Refrigerant	R-410A (Factory Charged 40 lbs.)
Compressor Type	Scroll
DCA 3300A Filter (Quantity: 2)	20” x 25” x 1” Fiberglass
DCA 3300AWH Filter (Quantity: 4)	20” x 25” x 1” Fiberglass
Drain Connection	1” Bar Drain
DCA 3300A Weight	900 lbs.
DCA 3300AWH Weight	1100 lbs.
Liquid Inlet [inches O.D.] (up to 50’)[1]	0.625
Hot Gas Outlet [inches O.D.] (up to 50’)[1]	0.875
Water Inlet [inches O.D.]	1.375
Water Outlet [inches O.D.]	1.375
Water Flow G.P.M.[2]	15.0
Pressure Drop (Ft. WC)[2]	8.2

[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
- ElectroFin Coated Coils
- Motorized Evaporator Bypass Damper (WH Models Only)

OPTIONAL FEATURES

- Right Side Component Service 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
- Remote Ready Delete
- Defrost Timer Package
- Control Options
- Space Heating Options Available
- Other Options Available

DEHUMIDIFIER CORPORATION OF AMERICA

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