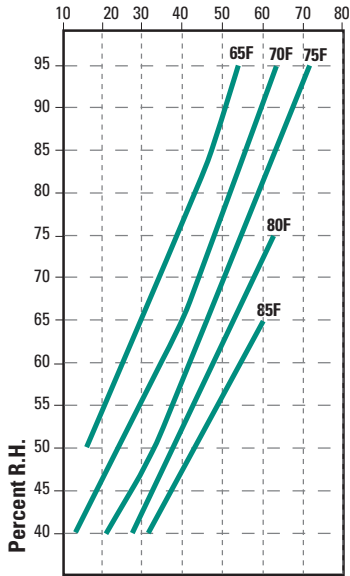


DCA3800 STANDARD DEHUMIDIFIER

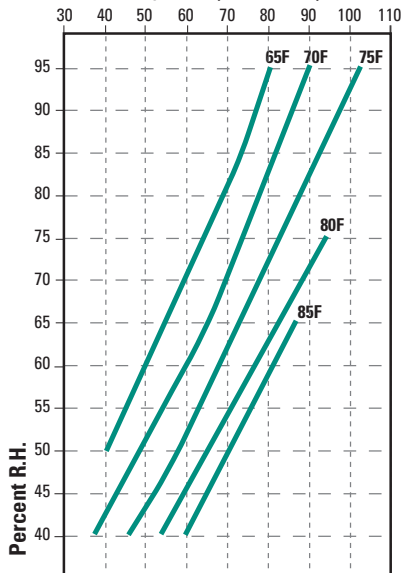
DCA3800WH WATER HEATING DEHUMIDIFIER

PERFORMANCE

Moisture Removal LB/HR (see note 1)



Net Reheat, MBH (see note 3)



FEATURES

- MET Laboratory Safety Listed To UL 1995
- 3 Year Parts Warranty
- Remote Condenser Ready
- Rifle Tube Refrigeration Coils
- Copeland Scroll Compressor
- Stainless Steel Condensate Drain Pan
- Low Ambient Head Pressure Control
- Powder Coated, Galvannealed Steel Cabinets
- TEFC Blower Motor
- Many Control Systems Available
- Many Make Up Air Provisions Available
- Water Cooled Condenser For Water Heating Or A/C Available
- Many Other Options Available

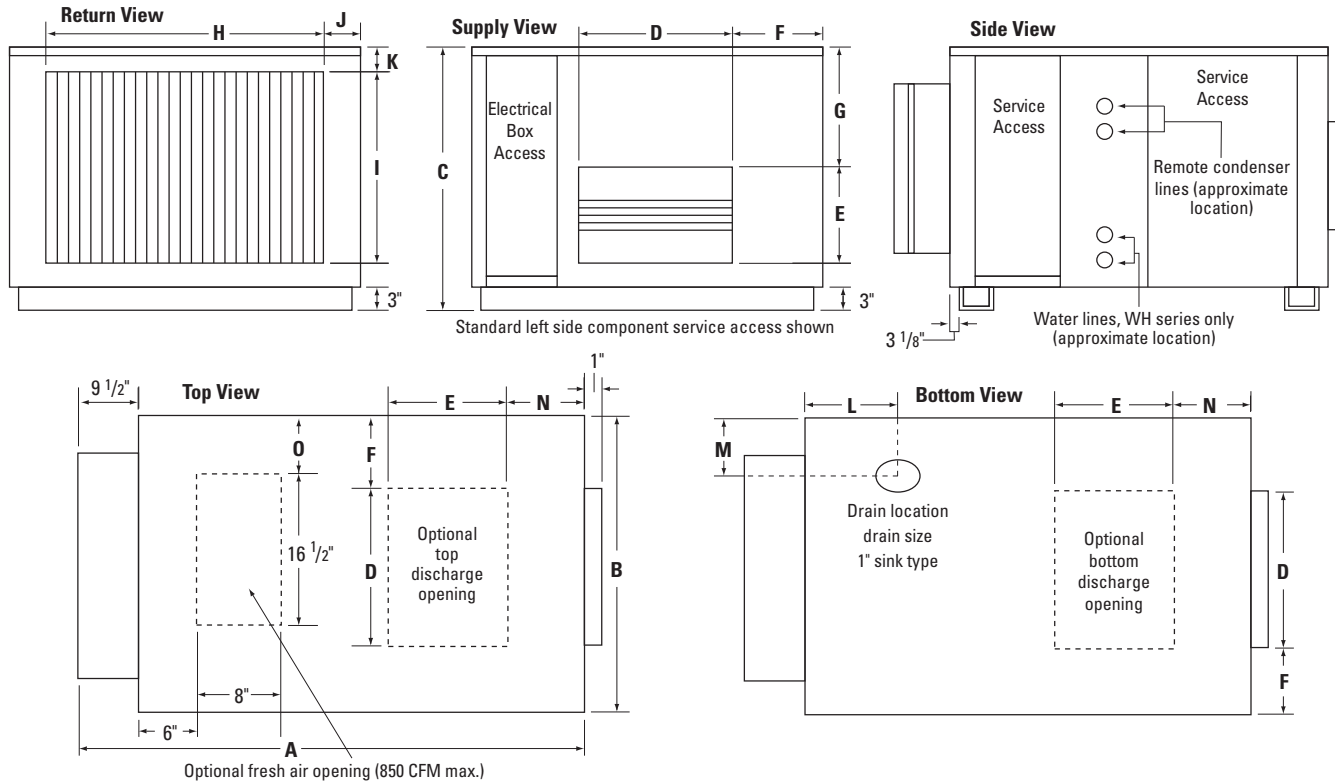
Performance	82DB / 50% R.H.	82DB / 60% R.H.	Notes
Moisture Removal LB/HR	40.0	50.6	1
Sensible Cooling, MBH	62.4	56.8	2
Net Reheat, MBH	68.5	80.5	3
Water Heating MBH	133.2	139.7	4

Notes:

1. Reheat mode assuming 1050 BTU/lb.
2. Cooling mode with remote air cooled condenser at 95.
3. Defined as sum of latent and compressor input. Use Dehumidifier for supplemental heat only.
4. Assuming 80F entering water temperature.
5. For conditions and data not shown contact the FAC.

DCA3800 STANDARD DEHUMIDIFIER DCA3800WH WATER HEATING DEHUMIDIFIER

DIAGRAMS



PHYSICAL DIMENSIONS

	DCA3800	DCA3800WH		DCA3800	DCA3800WH		DCA3800	DCA3800WH		DCA3800	DCA3800WH		DCA3800	DCA3800WH
A	74 1/2	74 1/2	D	18 5/8	18 5/8	G	4	4	J	4	4	M	5	5
B	55 1/4	55 1/4	E	16	16	H	50	50	K	4	4	N	8 1/2	8 1/2
C	49	49	F	7	7	I	40 1/4	40 1/4	L	13	13	O	6	4

DESIGN SPECIFICATIONS

Electrical	208/230V	460V	575V
Phase/Hz	3/60	3/60	3/60
Compressor B.T.U.	108,000	108,000	108,000
Compressor RLA	34.3	17.5	13.2
Compressor LRA	232	125	100
Blower Motor H.P.	2.0	2.0	2.0
Blower Motor FLA	6.2	3.1	2.5
Unit FLA	42.0	21.4	16.4
Maximum Fuse Size	70	35	25
Minimum Circuit Ampacity	50.6	25.8	19.7
Operating kW	9.75	9.75	9.75

M.R. (82°F/50%)	.....	.38.6 lbs./Hr.	Drain Connection	.....	.1" Bar Drain
M.R. (82°F/60%)	.....	.49.5 lbs./Hr.	DCA3800 Weight	.....	.1350 lbs.
CFM	.....	.3800	DCA3800WH Weight	.....	.1450 lbs.
External Static Pressure	.....	.0.50" H ₂ O	Water Inlet O.D.	.....	.1 3/8"
Refrigerant	.....	.R-22 (Factory Charged-25 lbs.)	Water Outlet O.D.	.....	.1 3/8"
Compressor Type	.....	.Scroll	Water Flow G.P.M.	.....	.17.0
Filter	.....	.1" Fiberglass	Pressure Drop (Ft. Wc)	.....	.6.7

Above data based on 50% RH + Return Air 82°F and Pool Water at 80°F

OTHER INFORMATION

OPTIONS: (Consult Factory)

- Right Side Component Access
- Outdoor Air Assembly with Damper & Filter Make Up
- Top or Bottom Discharge
- Extended Surface Filters 2" & 4"
- Outdoor Installation Package
- Outdoor Air Assembly with Damper & Filter Make Up
- External Static Upgrade
- Heresite Coated Coils
- Motorized Bypass Damper
- Remote Ready Delete
- Defrost Timer Package
- Other

CAUTIONS: The reheat capacity rating includes latent recovery and heat of compression. It is recommended that dehumidifiers 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.

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