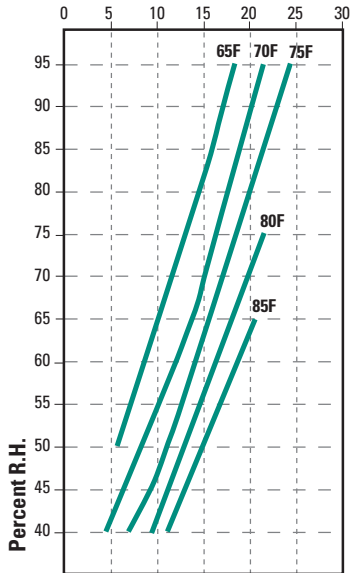


## DCA 1400 STANDARD DEHUMIDIFIER

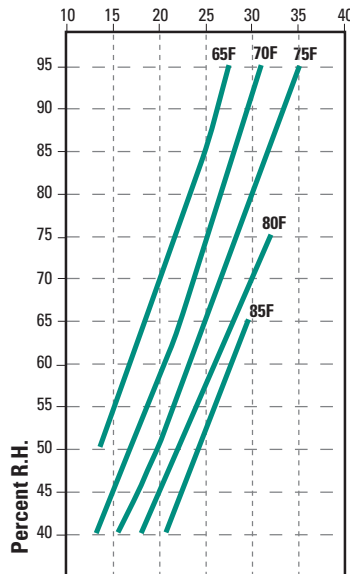
## DCA 1400WH WATER HEATING DEHUMIDIFIER

### 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

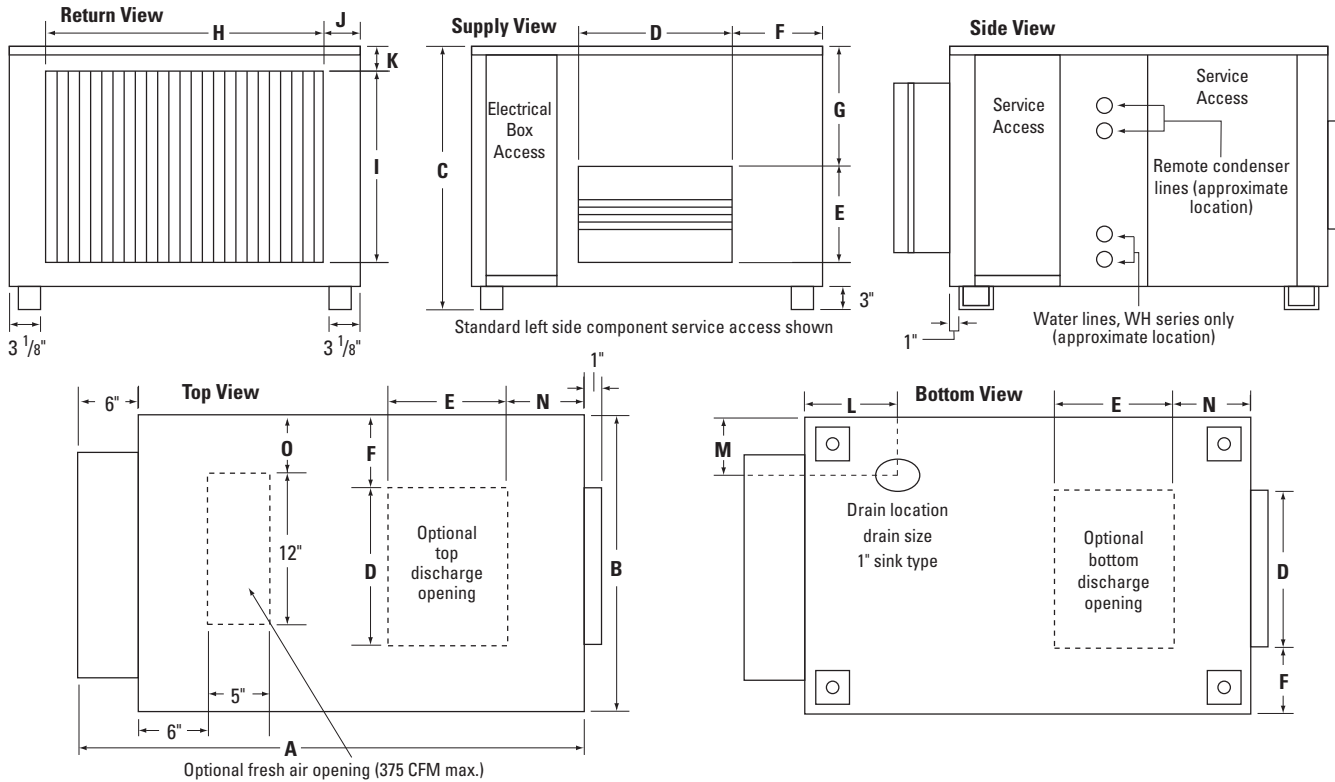
Performance	82DB / 50% R.H.	82DB / 60% R.H.	Notes
Moisture Removal LB/HR	13.7	17.3	1
Sensible Cooling, MBH	21.3	19.4	2
Net Reheat, MBH	23.3	27.5	3
Water Heating MBH	45.5	47.7	4

**Notes:**

1. Reheat mode assuming 1050 BTU/lb.
2. Cooling mode with remote air cooled condenser at 95F ambient.
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 factory.

# DCA1400 STANDARD DEHUMIDIFIER DCA1400WH WATER HEATING DEHUMIDIFIER

## DIAGRAMS



## PHYSICAL DIMENSIONS

	DCA1400	DCA1400WH		DCA1400	DCA1400WH		DCA1400	DCA1400WH		DCA1400	DCA1400WH		DCA1400	DCA1400WH
A	57 1/2	57 1/2	D	13 1/4	13 1/4	G	10 3/4	10 3/4	J	6	6	M	3 1/8	5
B	32 3/8	40 3/8	E	11 1/4	11 1/4	H	25	25	K	1 3/4	1 3/4	N	7	7
C	30 1/2	30 1/2	F	5	10 1/4	I	25 1/8	25 1/8	L	8	8	O	2	10

## DESIGN SPECIFICATIONS

Electrical	208/230V	208/230V	460V	575V
Phase/Hz	1/60	3/60	3/60	3/60
Compressor B.T.U.	36,500	36,500	36,500	36,500
Compressor RLA	18.4	11.4	5.7	4.7
Compressor LRA	95	77	39	31
Blower Motor H.P.	1.0	1.0	1.0	1.0
Blower Motor FLA	6.4	3.6	1.8	1.4
Unit FLA	26.2	16.4	8.2	6.7
Maximum Fuse Size	40	25	12	10
Minimum Circuit Ampacity	30.8	19.3	9.6	7.9
Operating kW	3.75	3.67	3.67	3.64

M.R. (82°F/50%).	13.7 lbs./Hr.	Drain Connection	1" Bar Drain
M.R. (82°F/60%).	17.3 lbs./Hr.	DCA1400 Weight	600 lbs.
CFM	1450	DCA1400WH Weight	710 lbs.
External Static Pressure	.050" H <sub>2</sub> O	Water Inlet O.D.	7/8"
Refrigerant	R-22 (Factory Charged-20 lbs.)	Water Outlet O.D.	7/8"
Compressor Type	Scroll	Water Flow G.P.M.	.50
Filter	1" Fiberglass	Pressure Drop (Ft. Wc)	4.0

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
- Motorized Bypass Damper
- Top or Bottom Discharge
- Extended Surface Filters 2" & 4"
- External Static Upgrade
- Remote Ready Delete
- Outdoor Installation Package
- Heresite Coated Coils
- 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.

**DCA** DEHUMIDIFIER CORPORATION OF AMERICA

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