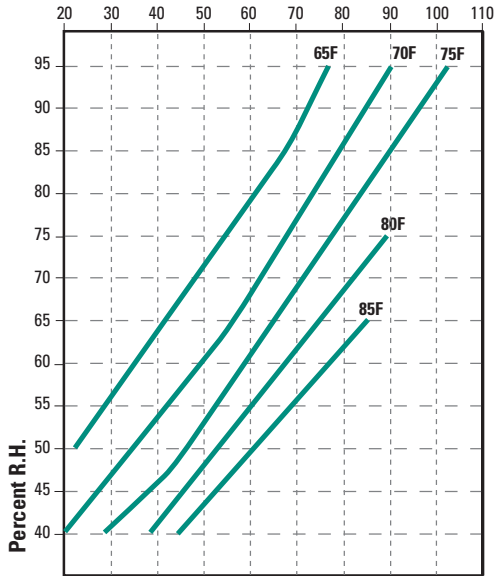


**DCA5400 STANDARD DEHUMIDIFIER**

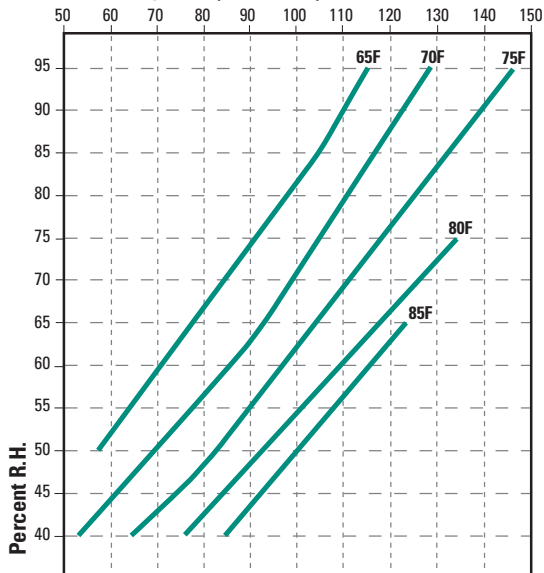
**DCA5400WH WATER HEATING DEHUMIDIFIER**

**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

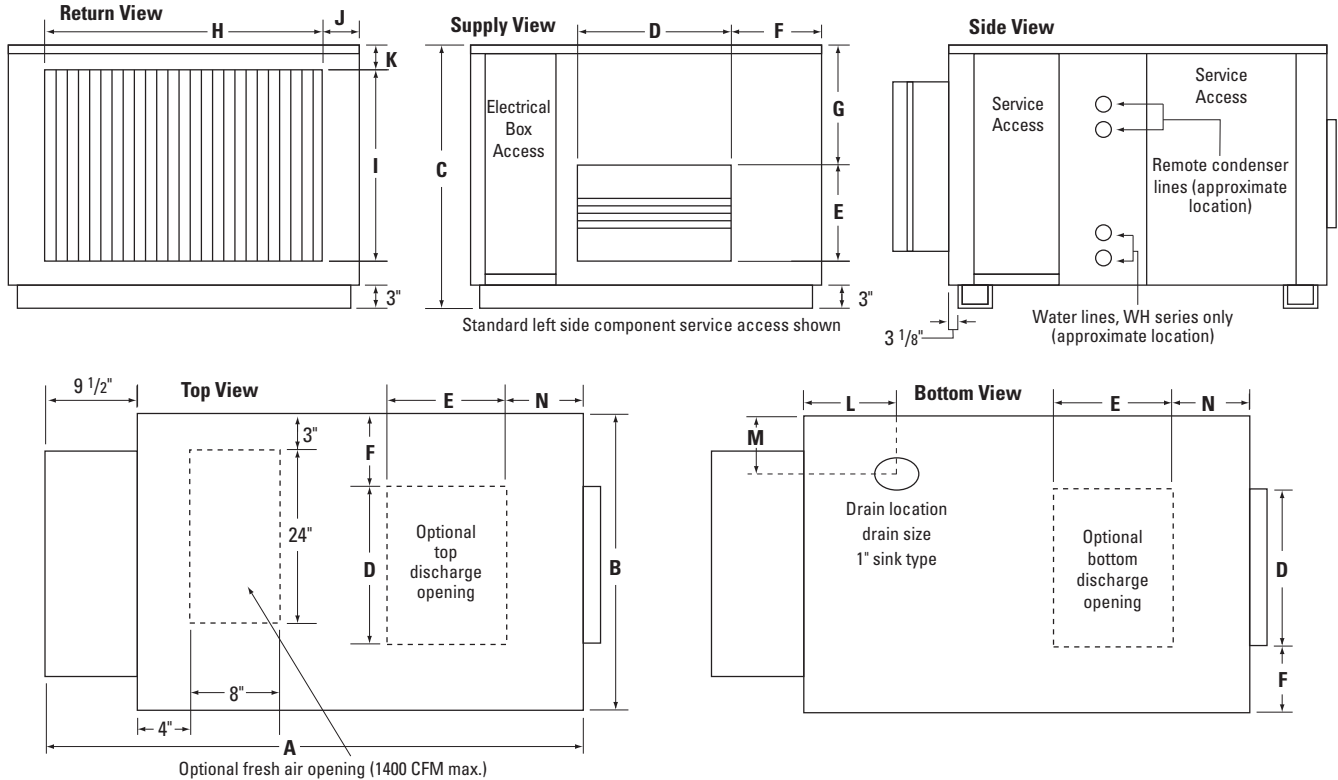
Performance	82DB / 50% R.H.	82DB / 60% R.H.	Notes
Moisture Removal LB/HR	57.0	72.1	1
Sensible Cooling, MBH	88.9	81.0	2
Net Reheat, MBH	97.4	114.8	3
Water Heating MBH	190.0	199.2	4

**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 Factory.

# DCA5400 STANDARD DEHUMIDIFIER DCA5400WH WATER HEATING DEHUMIDIFIER

## DIAGRAMS



## PHYSICAL DIMENSIONS

	DCA5400	DCA5400WH		DCA5400	DCA5400WH		DCA5400	DCA5400WH		DCA5400	DCA5400WH		DCA5400	DCA5400WH
<b>A</b>	74 1/2	74 1/2	<b>D</b>	18 5/8	18 5/8	<b>G</b>	4	4	<b>J</b>	4	4	<b>M</b>	5	5
<b>B</b>	55 1/4	55 1/4	<b>E</b>	16	16	<b>H</b>	50	50	<b>K</b>	4	4	<b>N</b>	8 1/2	8 1/2
<b>C</b>	49	49	<b>F</b>	7	7	<b>I</b>	40 1/4	40 1/4	<b>L</b>	13	13			

## DESIGN SPECIFICATIONS

Electrical	208/230V	460V	575V
Phase/Hz	3/60	3/60	3/60
Compressor B.T.U.	154,000	154,000	154,000
Compressor RLA	47.1	25.0	19.9
Compressor LRA	350	158	125
Blower Motor H.P.	5.0	5.0	5.0
Blower Motor FLA	13.4	6.7	5.4
Unit FLA	62.0	32.5	26.0
Maximum Fuse Size	100	50	40
Minimum Circuit Ampacity	73.8	38.8	31.0
Operating kW	15.30	15.30	15.30

M.R. (82°F/50%)	. . . . .	.56.1 lbs./Hr.	Drain Connection	. . . . .	.1" Bar Drain
M.R. (82°F/60%)	. . . . .	.70.5 lbs./Hr.	DCA5400 Weight	. . . . .	.1650 lbs.
CFM	. . . . .	.5300	DCA5400WH Weight	. . . . .	.1750 lbs.
External Static Pressure	. . . . .	.0.50" H <sub>2</sub> O	Water Inlet O.D.	. . . . .	.1 5/8"
Refrigerant	. . . . .	R-22 (Factory Charged-65 lbs.)	Water Outlet O.D.	. . . . .	.1 5/8"
Compressor Type	. . . . .	Scroll	Water Flow G.P.M.	. . . . .	.24.0
Filter	. . . . .	.1" Fiberglass	Pressure Drop (Ft. Wc)	. . . . .	.10.7

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
- Extended Surface Filters 2" & 4"
- Outdoor Installation Package
- 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.

**W53 N550 HIGHLAND DRIVE  
P.O. BOX 0917  
CEDARBURG, WI 53012  
PHONE: 262-377-7501  
FAX: 262-377-7502  
E-MAIL: info@dehumidifiercorp.com**



**WEBSITE: [www.dehumidifiercorp.com](http://www.dehumidifiercorp.com)**