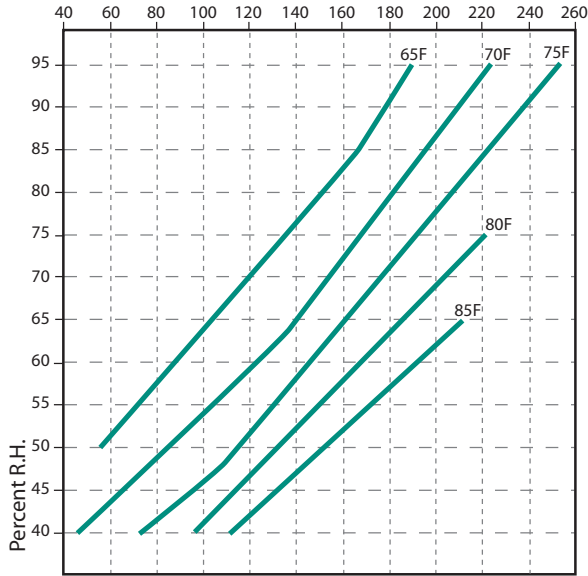


DCA 14000 STANDARD DEHUMIDIFIER

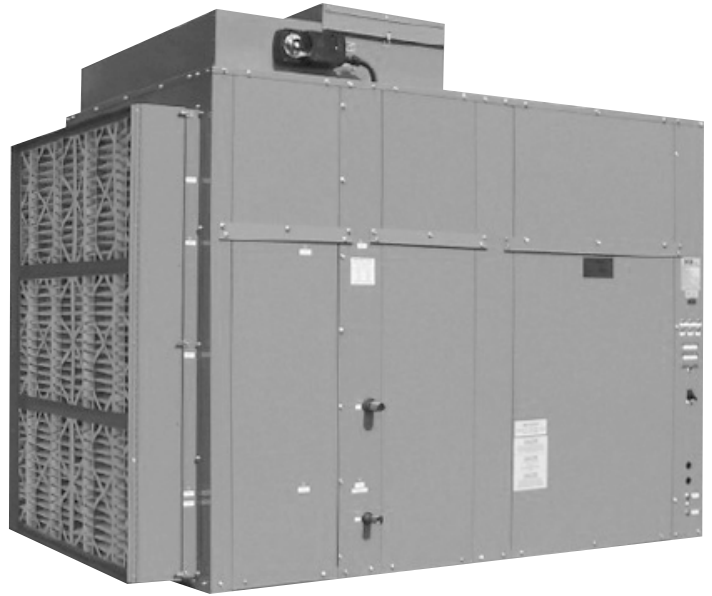
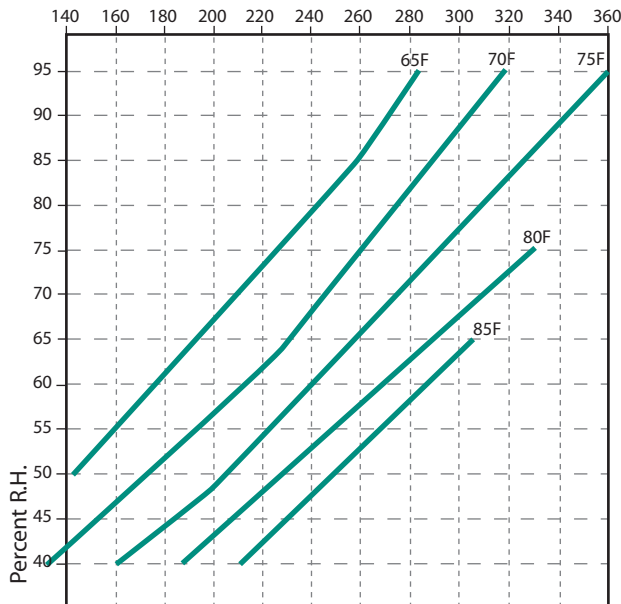
DCA 14000WH WATER HEATING DEHUMIDIFIER

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
- Dual Refrigeration Circuit Construction
- Dual Copeland Scroll Compressors
- Motorized Evaporator By-Pass Control
- Low Ambient Head Pressure Control
- Rifle Tube Refrigeration Coils
- TEFC Blower Motor
- Stainless Steel Condensate Drain Pan
- Standard Microprocessor Control System
- Water Cooled Condenser For Water Heating Or A/C Available
- Many Other Options Available
room heating while dehumidifying (see specifications).

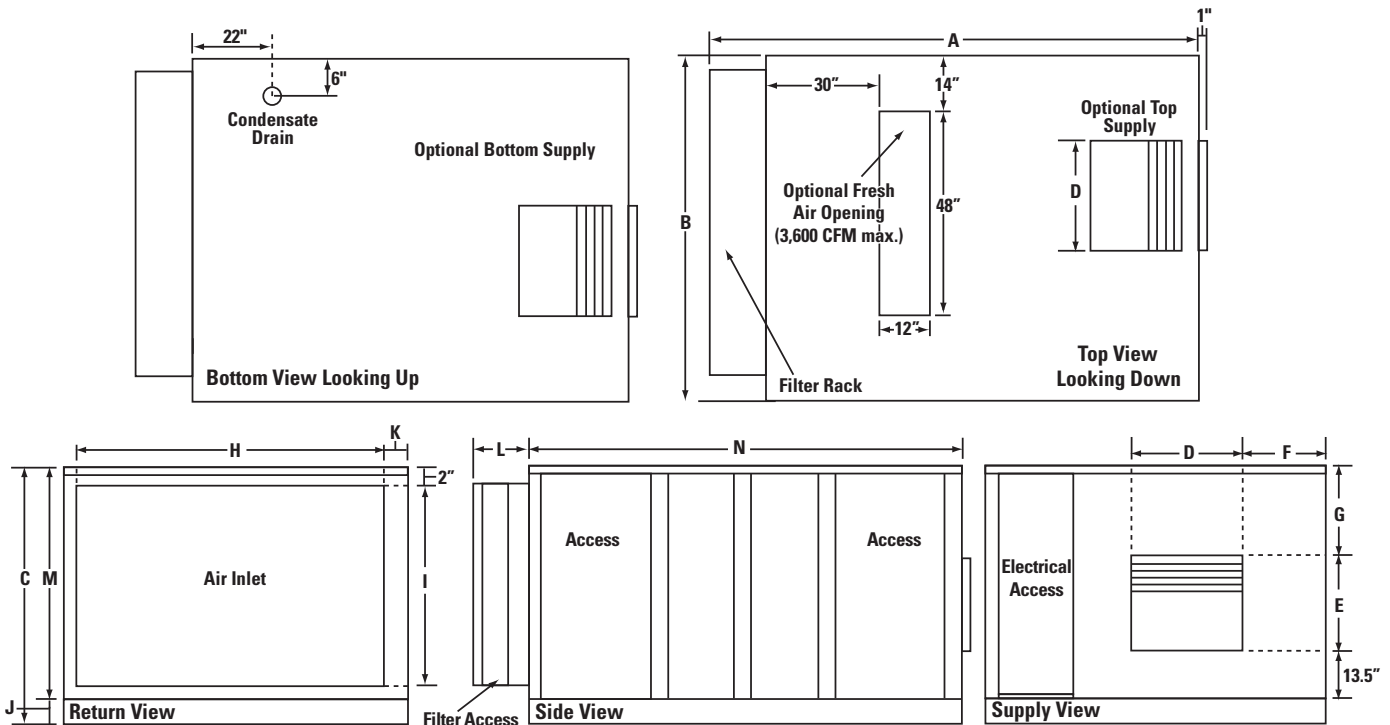
| Performance | 82DB / 50% R.H. | 82DB / 60% R.H. | Notes |
|------------------------|-----------------|-----------------|-------|
| Moisture Removal LB/HR | 140.8 | 178.0 | 1 |
| Sensible Cooling, MBH | 219.4 | 200.0 | 2 |
| Net Reheat, MBH | 241.0 | 283.4 | 3 |
| Water Heating - A, MBH | 234.6 | 245.9 | 4, 6 |
| Water Heating - B, MBH | 234.6 | 245.9 | 4, 6 |

Notes:

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

DCA14000 STANDARD DEHUMIDIFIER DCA14000WH WATER HEATING DEHUMIDIFIER

DIAGRAMS



PHYSICAL DIMENSIONS

| DCA14000 | | | | | | | | | |
|----------|---------|---|----|---|--------|---|-------|---|-----|
| A | 136 1/2 | D | 30 | G | 25 1/2 | J | 3 | M | 69 |
| B | 77 | E | 30 | H | 70 1/2 | K | 4 | N | 127 |
| C | 72 | F | 18 | I | 60 1/4 | L | 9 1/2 | | |

DESIGN SPECIFICATIONS

| Electrical | 208/230V | 460V | 575V |
|--------------------------|-----------|-----------|-----------|
| Phase/Hz | 3/60 | 3/60 | 3/60 |
| Compressor M.B.H. A/B | 190/190 | 190/190 | 190/190 |
| Compressor RLA A/B | 55.2/55.2 | 27.2/27.2 | 24.3/24.3 |
| Compressor LRA A/B | 425/425 | 187/187 | 148/148 |
| Blower Motor H.P. | 10.0 | 10.0 | 10.0 |
| Blower Motor FLA | 26.0 | 13.0 | 9.8 |
| Unit FLA | 138.3 | 68.4 | 59.3 |
| Maximum Fuse Size | 175 | 90 | 80 |
| Minimum Circuit Ampacity | 152.1 | 75.2 | 65.4 |
| Operating kW | 34.5 | 34.5 | 34.1 |

| | | | |
|----------------------------|------------------------|----------------------------|-------------|
| CFM | 13,600 | DCA14000 Weight | 5,200 lbs.* |
| External Static Pressure | 0.50" H ₂ O | Water Inlet O.D. A/B | 1.625/1.625 |
| Refrigerant R-22 Chare A/B | 80lbs./80lbs. | Water Outlet O.D. A/B | 1.625/1.625 |
| Compressor Type | Scroll | Water Flow G.P.M. A/B | 36.0/36.0 |
| Filter 9 each | 20" x 24" x 4" pleated | Pressure Drop (Ft. WC) A/B | 12.4/12.4 |
| Drain Connection | 1" Bar Drain | | |

*Weight shown is for basic unit with no options.
Contact factory for weight with options needed.

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
- Top or Bottom Discharge
- 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.

DCA DEHUMIDIFIER
CORPORATION
OF AMERICA

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