



The DCA Advantage

THE DCA ADVANTAGE

VALUE AND QUALITY LEADER

Dehumidifier Corporation of America is the premier source for dehumidification systems. With a commitment to constant improvement, our expert engineers work with the latest cutting edge technology to create tailored dehumidification solutions for every project. Made right here in the United States, our products offer the highest quality at competitive prices.

DCA WARRANTY

We offer the best standard warranty in the industry - three full years on all parts and one year on controls. DCA provides standard 5 year warranty for refrigeration coils and 3 year compressor warranties.

DCA SPECIFICATIONS

COATED COILS

Each DCA dehumidifier leaves the factory with ElectroFin[™] coated refrigeration coils. This is a standard feature on every unit; it's not an 'optional adder' as with all other manufacturers.

COPELAND COMPRESSORS™

DCA dehumidifiers feature Copeland scroll compressors for reliable high-efficiency performance.

CENTRIFUGAL BLOWERS

All fans are double-width, double-inlet, belt-driven, forward curve, low RPM type. Permanently lubricated ball bearings are designed to provide at least 200,000 hours of average life.





PIONEERS IN THE INDUSTRY

The core members of DCA were pioneering dehumidification technology going all the way back to 1979. Founded in 1995, DCA is totally dedicated to dehumidification. This specialized field is best served by a company whose primary mission is that of solving every conceivable dehumidification challenge. Dehumidifier Corporation of America takes pride in offering the best possible product line incorporating the latest proven technology at the most competitive price in the industry.

NON-PROPRIETARY CONTROLS

All dehumidifier systems are paired with 'non-proprietary controls.' Customers may provide their own factory approved controls. While replacement controllers are available from DCA, service contractors may purchase 'off the shelf' when necessary in an emergency situation.

AMERICAN MADE - COMPLIES WITH 'MADE IN AMERICA ACT'

Dehumidifier Corporation of America dehumidifiers are compliant with the requirements of the Buy American Act and proudly made in the U.S.A. at our Cedarburg, Wisconsin facility.

DCA LEASING PROGRAM

Different customers have different needs and many times when making a considerable investment, such as dehumidification system, leasing is a viable option that should be considered. DCA has partnered with AILCO, an equipment finance group, that provides a responsive, flexible and secure source of capital for purchasing your dehumidification system.

VALUE DRIVEN QUALITY, BUILT HERE

The best warranty in the industry, the highest quality components, built by American craftsmen, all at a competitive price, this is what we mean when we say, "Value Driven Quality, Built Here."



DCA 2500T AIR COOLED ROOF TOP UNIT WITH BOTTOM SUPPLY & RETURN

APPLICATIONS

SWIMMING POOL ROOM DEHUMIDIFIERS

DCA swimming pool room dehumidifiers are designed to be multi-functional systems that can provide space heating and cooling, as well as assist with pool water heating. The engineering team at DCA creates solutions ranging from large-scale hotel swimming pools to smaller residential pools and therapy pools. DCA designs and manufactures commercial dehumidifiers to address factors such as continuous blower operation, tempered outdoor make-up air, pool room exhaust fans and proper rejection of condensate to floor drains.

CUSTOM DEHUMIDIFIERS

Storage rooms, drying applications, manufacturing processes, and fresh water treatment facilities are just a few examples where DCA custom dehumidifiers control excess moisture. Let our engineering department custom design a dehumidifier for your humidity problem.





100% OUTDOOR AIR (OA) DEHUMIDIFIERS

Dehumidification of make-up air is essential for indoor air quality. Most often, air conditioning systems can not properly dehumidify the moisture-laden fresh air. A DCA 100% Outdoor Air dehumidification system may be just what you need. Our 100% OA units can pre-treat the makeup air by removing the moisture from the air stream before it enters the building.

REPLACEMENT DEHUMIDIFIERS

DCA offers replacement dehumidification systems for most swimming pool rooms. Many DCA dehumidifier models can directly replace existing units from other manufacturers, eliminating the need to "re-invent the wheel" when you need a replacement. As you consider your replacement strategy, take advantage of DCA's more-than-35 years of experience in pool room dehumidification, along with our industry-leading, 3-year warranty on all of our well-engineered systems.



INDOOR GROW HOUSE DEHUMIDIFICATION SYSTEMS

For indoor grow house applications, operators need to maintain ideal growing conditions in order to maintain high-quality, high-yield crops. DCA provides users with customized dehumidification systems that are engineered to meet the specific needs of their individual grow houses. Let our expert engineers custom design a solution that will provide an environment for superior crop production.

COMMERCIAL & INDUSTRIAL DEHUMIDIFIERS

DCA designs and manufactures industrial dehumidifiers that remove air moisture to meet specifications where air conditioning systems typically cannot. DCA's industrial dehumidifiers perform critical roles across a range of industries where maintaining relative humidity and dew point are a necessity. Our high-quality and economically priced dehumidifiers are available in horizontal or vertical cabinet construction, with capacities ranging from 1.5 to 30 nominal tons with 650 to 14,000 CFM of supply air.

SWIMMING POOL ROOM & COMMERCIAL HORIZONTAL DEHUMIDIFIER

AIR COOLED & POOL WATER HEATING 1.5 TON TO 15 TON **R-407C** SPECIFICATIONS AT A GLANCE

| | MOISTURE LBS/ | | NET SENSIBLE COOLING MBH ² | | NET REHEAT MBH ³ | | POOL WATER (WH) MBH ⁴ | |
|---------------|------------------|------------|--|------------|-----------------------------|------------|----------------------------------|------------|
| MODEL | 82F/50% rh | 82F/60% rh | 82F/50% rh | 82F/60% rh | 82F/50% rh | 82F/60% rh | 82F/50% rh | 82F/60% rh |
| DCA650T & WH | 6.9 | 8.9 | 10.1 | 9.0 | 11.4 | 13.7 | 21.6 | 22.7 |
| DCA900T & WH | 9.7 | 12.5 | 14.3 | 12.7 | 16.0 | 19.3 | 30.5 | 32.0 |
| DCA1500T & WH | 14.7 | 18.9 | 21.6 | 19.2 | 24.3 | 29.1 | 46.2 | 48.4 |
| DCA2000T & WH | 18.6 | 24.0 | 27.5 | 24.4 | 30.9 | 36.9 | 58.6 | 61.4 |
| DCA2500T & WH | 26.1 | 33.6 | 38.4 | 34.1 | 43.2 | 51.7 | 82.0 | 86.0 |
| DCA3000T & WH | 26.1 | 33.6 | 38.4 | 34.1 | 43.2 | 51.7 | 82.0 | 86.0 |
| DCA3300T & WH | 32.4 | 41.8 | 47.8 | 42.4 | 53.7 | 64.3 | 102.0 | 106.9 |
| DCA3600T & WH | 37.4 | 48.2 | 55.1 | 48.9 | 62.0 | 74.2 | 117.6 | 123.4 |
| DCA4100T & WH | 42.1 | 54.3 | 62.2 | 55.2 | 69.9 | 83.6 | 132.6 | 139.1 |
| DCA4800T & WH | 49.7 | 64.1 | 73.3 | 65.1 | 82.4 | 98.6 | 156.4 | 164.0 |
| DCA5500T & WH | 56.5 | 72.8 | 83.3 | 73.9 | 93.6 | 112.0 | 177.7 | 186.3 |
| DCA7000T & WH | 72.0 | 92.8 | 106.2 | 94.2 | 119.4 | 142.8 | 226.5 | 237.5 |

AIR COOLED & POOL WATER HEATING DUAL CIRCUIT 18 TON TO 30 TON **R-407C** SPECIFICATIONS AT A GLANCE

| | | E REMOVAL /HR1 | NET SENSIBLE COOLING MBH ² | | NET REHEAT MBH ³ | | | | NTER (WH) H ^{4, 5} |
|----------------|------------|-------------------|--|------------|-----------------------------|------------|-----------|------------|--------------------------------|
| MODEL | 82F/50% rh | 82F/60% rh | 82F/50% rh | 82F/60% rh | 82F/50% rh | 82F/60% rh | | 82F/50% rh | 82F/60% rh |
| DCA8000T & WH | 84.3 | 108.7 | 124.4 | 110.3 | 139.8 | 167.3 | Circuit A | 132.6 | 139.1 |
| | | | | | | | Circuit B | 132.6 | 139.1 |
| DCA9000T & WH | 99.5 | 128.2 | 146.7 | 130.1 | 164.9 | 197.3 | Circuit A | 156.4 | 164.0 |
| | | | | | | | Circuit B | 156.4 | 164.0 |
| DCA11000T & WH | 113.0 | 145.6 | 166.6 | 147.8 | 187.3 | 224.1 | Circuit A | 177.7 | 186.3 |
| | | | | | | | Circuit B | 177.7 | 186.3 |
| DCA14000T & WH | 144.0 | 185.6 | 212.4 | 188.4 | 238.7 | 285.6 | Circuit A | 226.5 | 237.5 |
| | | | | | | | Circuit B | 226.5 | 237.5 |

¹ Reheat mode assuming 1050 BTU/lb. ² Cooling mode with remote air cooled 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 pool water usually only circuit A is required.

UNIT DIMENSIONS, WEIGHT AND VOLTAGE

AIR COOLED & POOL WATER HEATING 1.5 TON TO 15 TON R-407C

| | I | I | l | | |
|------------|---------------------------------------|-------|---------------------------------------|--------|---------------------------------------|
| MODEL | LENGTH | WIDTH | HEIGHT | WEIGHT | AVAILABLE VOLTAGE AND PHASE* |
| DCA650T | 49 ¹ / ₄ | 32 | 30 ¹ / ₂ | 365 | 200/220 1 60 |
| DCA650TWH | 56 | 32 | 30 ¹ / ₂ | 410 | 208/230-1-60 |
| DCA900T | 56 | 30 | 30 ¹ / ₂ | 420 | |
| DCA900TWH | 56 | 40 | 30 ¹ / ₂ | 475 | 208/230-1-60 ; 208/230, 460-3-60 |
| DCA1500T | 56 | 32 | 30 ¹ / ₂ | 470 | |
| DCA1500TWH | 56 | 40 | 30 ¹ / ₂ | 580 | |
| DCA2000T | 56 | 40 | 30 ¹ / ₂ | 540 | |
| DCA2000TWH | 66 | 45 | 34 ¹ / ₂ | 700 | 208/230-1-60 ; 208/230, 460, 575-3-60 |
| DCA2500T | 56 | 40 | 30 ¹ / ₂ | 580 | 208/250-1-00, 208/250, 400, 575-5-00 |
| DCA2500TWH | 66 | 45 | 34 ¹ / ₂ | 745 | |
| DCA3000T | 66 | 45 | 34 ¹ / ₂ | 750 | |
| DCA3000TWH | 74 ¹ / ₂ | 55 | 49 | 950 | |
| DCA3300T | 66 | 45 | 34 ¹ / ₂ | 900 | 208/230, 460, 575-3-60 |
| DCA3300TWH | 74 ¹ / ₂ | 55 | 49 | 1100 | 2087250, 460, 575-5-60 |
| DCA3600T | 66 | 45 | 35 | 900 | |
| DCA3600TWH | 74 ¹ / ₂ | 55 | 49 | 1250 | 208/230, 460, 575-3-60 |
| DCA4100T | 74 ¹ / ₂ | 55 | 49 | 1260 | 208/230, 400, 575-5-00 |
| DCA4100TWH | 74 ¹ / ₂ | 55 | 49 | 1500 | |
| DCA4800T | 74 ¹ / ₂ | 55 | 49 | 1320 | |
| DCA4800TWH | 74 ¹ / ₂ | 55 | 49 | 1580 | |
| DCA5500T | 74 ¹ / ₂ | 55 | 49 | 1360 | 208/230, 460, 575-3-60 |
| DCA5500TWH | 74 ¹ / ₂ | 55 | 49 | 1640 | 200/230, 400, 373-3-00 |
| DCA7000T | 97 | 55 | 49 | 1600 | |
| DCA7000TWH | 97 | 55 | 49 | 1880 | |

AIR COOLED & POOL WATER HEATING DUAL CIRCUIT 18 TON TO 30 TON R-407C

| MODEL | LENGTH | WIDTH | HEIGHT | WEIGHT | AVAILABLE VOLTAGE AND PHASE* |
|----------------|---------------------------------|-------|--------|--------|------------------------------|
| DCA8000T & WH | 97 | 55 | 70 | 2500 | |
| DCA9000T & WH | 97 | 55 | 70 | 2900 | |
| DCA11000T & WH | 136 ¹ / ₂ | 77 | 72 5/8 | 3500 | 208/230, 460, 575-3-60 |
| DCA14000T & WH | 136 ¹ / ₂ | 77 | 72 5/8 | 4000 | |

*50Hz Available Upon Request

AIR COOLED & POOL WATER HEATING 1.5 TON TO 15 TON **R-410A** SPECIFICATIONS AT A GLANCE

| | MOISTURE LBS/ | EREMOVAL /HR1 | NET SENSIBLE COOLING MBH ² | | NET REHEAT MBH ³ | | POOL WATER (WH) MBH ⁴ | |
|---------------|------------------|------------------|--|------------|-----------------------------|------------|----------------------------------|------------|
| MODEL | 82F/50% rh | 82F/60% rh | 82F/50% rh | 82F/60% rh | 82F/50% rh | 82F/60% rh | 82F/50% rh | 82F/60% rh |
| DCA650A & WH | 6 | 7.8 | 9.4 | 8.3 | 10.4 | 12.5 | 20 | 20.8 |
| DCA900A & WH | 9.2 | 11.8 | 13.8 | 12.2 | 15.6 | 18.7 | 29.8 | 31 |
| DCA1500A & WH | 13.9 | 17.8 | 20.6 | 18.2 | 23.2 | 27.7 | 42.2 | 46 |
| DCA2000A & WH | 18.9 | 24.3 | 28.2 | 25.1 | 31.5 | 37.6 | 60.3 | 63.1 |
| DCA2500A & WH | 23.9 | 30.8 | 36.4 | 32 | 39 | 47 | 76 | 79.2 |
| DCA3000A & WH | 28.1 | 36 | 42.6 | 37.8 | 46.5 | 55.7 | 89.3 | 93.6 |
| DCA3300A & WH | 31.3 | 39.8 | 45.7 | 40.6 | 52.6 | 62.4 | 99.1 | 103.3 |
| DCA3500A & WH | 36.4 | 46.0 | 52.2 | 46.6 | 62.6 | 73.6 | 116 | 120.9 |
| DCA3600A & WH | 34.3 | 43.5 | 53.2 | 44.7 | 57.3 | 68.0 | 110.8 | 112.8 |
| DCA4100A & WH | 39.9 | 51.1 | 59.1 | 51.9 | 66.6 | 79.4 | 126.2 | 131.1 |
| DCA4400A & WH | 41 | 52.6 | 59.7 | 53.1 | 68.4 | 81.7 | 129.9 | 135.5 |
| DCA4800A& WH | 46.7 | 60.2 | 71.6 | 63 | 78.1 | 93.5 | 150.3 | 156.3 |
| DCA5500A & WH | 52.4 | 67.6 | 78.7 | 68.8 | 87.3 | 104.6 | 166.4 | 172.3 |
| DCA6500A & WH | 60.1 | 77.3 | 92 | 81.3 | 99.6 | 119.4 | 191.6 | 199.9 |
| DCA7000A & WH | 68.9 | 87.9 | 102.3 | 91.1 | 116 | 138 | 218.7 | 228.9 |

AIR COOLED & POOL WATER HEATING DUAL CIRCUIT 18 TON TO 30 TON **R-410A** SPECIFICATIONS AT A GLANCE

| | | REMOVAL /HR1 | NET SENSIBLE COOLING MBH ² | | NET REHEAT MBH ³ | | | POOL WATER (MBH ^{4, 5} | |
|----------------|------------|-----------------|--|------------|-----------------------------|------------|-----------|-------------------------------------|------------|
| MODEL | 82F/50% rh | 82F/60% rh | 82F/50% rh | 82F/60% rh | 82F/50% rh | 82F/60% rh | | 82F/50% rh | 82F/60% rh |
| DCA8000A & WH | 79.9 | 102.1 | 118.1 | 103.9 | 133.3 | 158.7 | Circuit A | 126.2 | 131.1 |
| | | | | | | | Circuit B | 126.2 | 131.1 |
| DCA9000A & WH | 98.2 | 120.4 | 143.2 | 126.1 | 156.3 | 186.9 | Circuit A | 150.3 | 156.3 |
| | | | | | | | Circuit B | 150.3 | 156.3 |
| DCA11000A & WH | 104.8 | 135.2 | 157.3 | 137.5 | 174.5 | 209.2 | Circuit A | 166.4 | 172.3 |
| | | | | | | | Circuit B | 166.4 | 172.3 |
| DCA14000A & WH | 137.8 | 175.7 | 204.5 | 182.3 | 232.1 | 276 | Circuit A | 218.7 | 228.9 |
| | | | | | | | Circuit B | 218.7 | 228.9 |

¹ Reheat mode assuming 1050 BTU/lb. ² Cooling mode with remote air cooled 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 pool water usually only circuit A is required.

UNIT DIMENSIONS, WEIGHT AND VOLTAGE

AIR COOLED & POOL WATER HEATING 1.5 TON TO 15 TON R-410A

| MODEL | LENGTH | WIDTH | HEIGHT | WEIGHT | AVAILABLE VOLTAGE AND PHASE* |
|------------|---------------------------------------|-------|---------------------------------------|--------|---------------------------------------|
| | | | | | , |
| DCA650A | 49 ¹ / ₄ | 32 | 30 ¹ / ₂ | 365 | 208/230-1-60 |
| DCA650AWH | 56 | 32 | 30 ¹ / ₂ | 410 | 200,230 + 00 |
| DCA900A | 56 | 32 | 30 ¹ / ₂ | 420 | 208/230-1-60 ; 208/230, 460-3-60 |
| DCA900AWH | 56 | 40 | 30 ¹ / ₂ | 475 | 200/230 1 00 , 200/230 , 400 3 00 |
| DCA1500A | 56 | 32 | 30 ¹ / ₂ | 470 | |
| DCA1500AWH | 56 | 40 | 30 ¹ / ₂ | 580 | |
| DCA2000A | 56 | 40 | 30 ¹ / ₂ | 540 | |
| DCA2000AWH | 66 | 45 | 34 ¹ / ₂ | 700 | |
| DCA2500A | 56 | 40 | 30 ¹ / ₂ | 580 | 208/220 1 60 208/220 460 575 2 60 |
| DCA2500AWH | 66 | 45 | 34 ¹ / ₂ | 745 | 208/230-1-60 ; 208/230, 460, 575-3-60 |
| DCA3000A | 66 | 45 | 34 ¹ / ₂ | 750 | |
| DCA3000AWH | 74 ¹ / ₂ | 55 | 49 | 950 | |
| DCA3300A | 66 | 45 | 34 ¹ / ₂ | 900 | |
| DCA3300AWH | 74 ¹ / ₂ | 55 | 49 | 1100 | |
| DCA3500A | 74 ¹ / ₂ | 55 | 49 | 1200 | 200/220 1 60 |
| DCA3500AWH | 74 ¹ / ₂ | 55 | 49 | 1500 | 208/230-1-60 |
| DCA3600A | 66 | 45 | 35 | 900 | |
| DCA3600AWH | 74 ¹ / ₂ | 55 | 49 | 1250 | |
| DCA4100A | 74 ¹ / ₂ | 55 | 49 | 1260 | 208/230, 460, 575-3-60 |
| DCA4100AWH | 74 ¹ / ₂ | 55 | 49 | 1500 | |
| DCA4400A | 74 ¹ / ₂ | 55 | 49 | 1300 | 208/230-1-60 |
| DCA4400AWH | 74 ¹ / ₂ | 55 | 49 | 1550 | 208/230-1-60 |
| DCA4800A | 74 ¹ / ₂ | 55 | 49 | 1320 | |
| DCA4800AWH | 74 ¹ / ₂ | 55 | 49 | 1580 | |
| DCA5500A | 74 ¹ / ₂ | 55 | 49 | 1360 | |
| DCA5500AWH | 74 1/2 | 55 | 49 | 1640 | |
| DCA6500A | 97 | 55 | 49 | 1550 | 208/230, 460, 575-3-60 |
| DCA6500AWH | 97 | 55 | 49 | 1800 | |
| DCA7000A | 97 | 55 | 49 | 1600 | |
| DCA7000AWH | 97 | 55 | 49 | 1880 | |

AIR COOLED & POOL WATER HEATING DUAL CIRCUIT 18 TON TO 30 TON R-407C

| MODEL | LENGTH | WIDTH | HEIGHT | WEIGHT | AVAILABLE VOLTAGE AND PHASE* |
|----------------|---------------------------------|-------|--------|--------|------------------------------|
| DCA8000A & WH | 97 | 55 | 70 | 2500 | |
| DCA9000A & WH | 97 | 55 | 70 | 2900 | 208/220 460 575 2 60 |
| DCA11000A & WH | 136 ¹ / ₂ | 77 | 72 5/8 | 3500 | 208/230, 460, 575-3-60 |
| DCA14000A & WH | 136 ¹ / ₂ | 77 | 72 5/8 | 4000 | |

*50Hz Available Upon Request

FEATURES FOR SWIMMING POOL ROOM & COMMERCIAL HORIZONTAL DEHUMIDIFIERS R-407C AND R-410A

STANDARD FEATURES

- Industry Leading Warranty 3 Years
- ElectroFin[™] Coated Coils
- Remote Condenser Ready
- MET Listed
- Low Ambient Head Pressure Control
- Stainless Steel Condensate Pans
- Rifled Tube Refrigeration Coils
- Hot Gas By-Pass
- TEFC Electric Motor



DCA 2500T-WH POOL WATER HEATING UNIT



DCA 11000T AIR COOLED UNIT

OPTIONAL FEATURES

- Pool Water Heating
- Gas and Electric Duct Heaters
- Hot Water Coils
- Water Source A/C
- Outdoor Installation packages
- Curb Friendly Rooftop Installation
- Various Controls Options
- Building Management Systems Compatible (BMS)

SWIMMING POOL ROOM & COMMERCIAL VERTICAL DEHUMIDIFIER

AIR COOLED & POOL WATER HEATING **R-407C** SPECIFICATIONS AT A GLANCE

| | MOISTURE | REMOVAL /HR1 | NET SENSIBLE COOLING MBH ² | | NET REHEAT MBH ³ | | POOL WATER (WH) MBH ⁴ | |
|----------------|------------|-----------------|--|------------|-----------------------------|------------|----------------------------------|------------|
| MODEL | 82F/50% rh | 82F/60% rh | 82F/50% rh | 82F/60% rh | 82F/50% rh | 82F/60% rh | 82F/50% rh | 82F/60% rh |
| DCA650TV & WH | 6.9 | 8.9 | 10.1 | 9.0 | 11.4 | 13.7 | 21.6 | 22.8 |
| DCA900TV & WH | 9.7 | 12.5 | 14.3 | 12.7 | 16.0 | 19.3 | 30.5 | 32.0 |
| DCA1500TV & WH | 14.7 | 18.9 | 21.6 | 19.2 | 24.3 | 29.1 | 46.2 | 48.4 |
| DCA2000TV & WH | 18.6 | 24.0 | 27.5 | 24.4 | 30.9 | 36.9 | 58.6 | 61.4 |
| DCA2500TV & WH | 26.1 | 33.6 | 38.4 | 34.1 | 43.2 | 51.7 | 82.0 | 86.0 |
| DCA3000TV & WH | 26.1 | 33.6 | 38.4 | 34.1 | 43.2 | 51.7 | 82.0 | 86.0 |
| DCA3300TV & WH | 32.4 | 41.8 | 47.8 | 42.4 | 53.7 | 64.3 | 102.0 | 106.9 |
| DCA3600TV & WH | 37.4 | 48.2 | 55.1 | 48.9 | 62.0 | 74.2 | 117.6 | 123.4 |

¹ Reheat mode assuming 1050 BTU/lb. ² Cooling mode with remote air cooled condenser at 95F. ³ Defined as sum of latent and compressor input. Use Dehumidifier for supplemental heat only. ⁴ Assuming 85F entering water temperature.

UNIT DIMENSIONS, WEIGHT AND VOLTAGE

| MODEL | LENGTH | WIDTH | HEIGHT | WEIGHT | AVAILABLE VOLTAGE AND PHASE* |
|--------------|--------|---------------------------------------|--------------------|--------|---------------------------------------|
| DCA650TV | 34 | 40 | 71 ⁵ /8 | 520 | 208/230-1-60 |
| DCA650TV-WH | 34 | 40 | 71 ⁵ /8 | 600 | 208/250-1-00 |
| DCA900TV | 34 | 40 | 71 ⁵ /8 | 570 | 208/230-1-60 ; 208/230, 460-3-60 |
| DCA900TV-WH | 34 | 40 | 71 ⁵ /8 | 650 | 208/230-1-60 , 208/230, 460-3-60 |
| DCA1500TV | 34 | 40 | 71 ⁵ /8 | 585 | |
| DCA1500TV-WH | 34 | 40 | 71 ⁵ /8 | 660 | |
| DCA2000TV | 34 | 40 | 71 ⁵ /8 | 660 | |
| DCA2000TV-WH | 34 | 40 | 71 ⁵ /8 | 740 | 208/220 1 60, 208/220 460 575 2 60 |
| DCA2500TV | 34 | 40 | 71 ⁵ /8 | 700 | 208/230-1-60 ; 208/230, 460, 575-3-60 |
| DCA2500TV-WH | 34 | 40 | 71 ⁵ /8 | 760 | |
| DCA3000TV | 34 | 40 | 71 ⁵ /8 | 710 | |
| DCA3000TV-WH | 34 | 40 | 71 ⁵ /8 | 770 | |
| DCA3300TV | 34 | 43 ¹ / ₂ | 80 ¹ /8 | 850 | |
| DCA3300TV-WH | 34 | 43 ¹ / ₂ | 80 ¹ /8 | 1020 | 208/230, 460, 575-3-60 |
| DCA3600TV | 34 | 43 ¹ / ₂ | 80 ¹ /8 | 950 | 208/220 460 575 2 60 |
| DCA3600TV-WH | 34 | 43 ¹ / ₂ | 80 ¹ /8 | 1070 | 208/230, 460, 575-3-60 |

*50Hz Available Upon Request

AIR COOLED & POOL WATER HEATING **R-410A** SPECIFICATIONS AT A GLANCE

| | MOISTURE LBS/ | REMOVAL | NET SENSIBLE COOLING MBH ² | | NET REHEAT MBH ³ | | POOL WATER (WH) MBH⁴ | |
|----------------|------------------|------------|--|------------|-----------------------------|------------|----------------------|------------|
| MODEL | 82F/50% rh | 82F/60% rh | 82F/50% rh | 82F/60% rh | 82F/50% rh | 82F/60% rh | 82F/50% rh | 82F/60% rh |
| DCA650AV & WH | 6 | 7.8 | 9.4 | 8.3 | 10.4 | 12.5 | 20 | 20.8 |
| DCA900AV & WH | 9.2 | 11.8 | 13.8 | 12.2 | 15.6 | 18.7 | 29.8 | 31 |
| DCA1500AV & WH | 13.9 | 17.8 | 20.6 | 18.2 | 23.2 | 27.7 | 44.2 | 46 |
| DCA2000AV & WH | 18.9 | 24.3 | 28.2 | 25.1 | 31.5 | 37.6 | 60.3 | 63.1 |
| DCA2500AV & WH | 23.9 | 30.8 | 36.4 | 32 | 39 | 47 | 76 | 79.2 |
| DCA3000AV & WH | 28.1 | 36 | 42.6 | 37.8 | 46.5 | 55.7 | 89.3 | 93.6 |
| DCA3300AV & WH | 31.3 | 39.8 | 45.7 | 40.6 | 52.6 | 62.4 | 99.1 | 103.3 |
| DCA3500AV | 36.4 | 46.0 | 52.2 | 46.6 | 62.6 | 73.6 | 116 | 120.9 |
| DCA3600AV & WH | 34.3 | 43.5 | 53.2 | 44.7 | 57.3 | 68.0 | 110.8 | 112.8 |

¹ Reheat mode assuming 1050 BTU/lb. ² Cooling mode with remote air cooled condenser at 95F. ³ Defined as sum of latent and compressor input. Use Dehumidifier for supplemental heat only. ⁴ Assuming 85F entering water temperature.

UNIT DIMENSIONS, WEIGHT AND VOLTAGE

| MODEL | LENGTH | WIDTH | HEIGHT | WEIGHT | AVAILABLE VOLTAGE AND PHASE* |
|--------------|--------|--------------------------------|--------------------|--------|---------------------------------------|
| DCA650AV | 34 | 40 | 71 ⁵ /8 | 520 | 208/220.1.60 |
| DCA650AV-WH | 34 | 40 | 71 ⁵ /8 | 600 | 208/230-1-60 |
| DCA900AV | 34 | 40 | 71 ⁵ /8 | 570 | 208/220 1 60 208/220 460 2 60 |
| DCA900AV-WH | 34 | 40 | 71 ⁵ /8 | 650 | 208/230-1-60 ; 208/230, 460-3-60 |
| DCA1500AV | 34 | 40 | 71 ⁵ /8 | 585 | |
| DCA1500AV-WH | 34 | 40 | 71 ⁵ /8 | 660 | |
| DCA2000AV | 34 | 40 | 71 ⁵ /8 | 660 | |
| DCA2000AV-WH | 34 | 40 | 71 ⁵ /8 | 740 | |
| DCA2500AV | 34 | 40 | 71 ⁵ /8 | 700 | 208/230-1-60 ; 208/230, 460, 575-3-60 |
| DCA2500AV-WH | 34 | 40 | 71 ⁵ /8 | 760 | 2087230-1-00, 2087230, 400, 373-3-00 |
| DCA3000AV | 34 | 43 ¹ / ₂ | 80 ¹ /8 | 800 | |
| DCA3000AV-WH | 34 | 43 ¹ / ₂ | 80 ¹ /8 | 900 | |
| DCA3300AV | 34 | 43 ¹ / ₂ | 80 ¹ /8 | 850 | |
| DCA3300AV-WH | 34 | 43 ¹ / ₂ | 80 ¹ /8 | 1020 | |
| DCA3500AV | 34 | 43 ¹ / ₂ | 80 ¹ /8 | 950 | 208/230-1-60 |
| DCA3600AV | 34 | 43 ¹ / ₂ | 80 ¹ /8 | 950 | 208/230, 460, 575-3-60 |
| DCA3600AV-WH | 34 | 43 ¹ / ₂ | 80 ¹ /8 | 1070 | 200/230, 400, 373-3-00 |

*50Hz Available Upon Request

FEATURES FOR SWIMMING POOL ROOM & COMMERCIAL VERTICAL DEHUMIDIFIERS R-407C AND R-410A

STANDARD FEATURES

- Industry Leading Warranty 3 Years
- ElectroFin[™] Coated Coils
- Remote Condenser Ready
- MET Listed
- Low Ambient Head Pressure Control
- Stainless Steel Condensate Pans
- Rifled Tube Refrigeration Coils
- Hot Gas By-Pass
- TEFC Electric Motor

OPTIONAL FEATURES

- Pool Water Heating
- Gas and Electric Duct Heaters
- Hot Water Coils
- Water Source A/C
- Various Controls Options
- Building Management
 Systems Compatible (BMS)



DCA 3300TV-WH POOL WATER HEATING UNIT Sensible cooling capacities rated at 95F ambient

DEHUMIDIFIER ACCESSORIES

ADD-ON ELECTRIC DUCT HEATERS

DIRECT-MOUNTED DUCT HEATERS

- Direct mounting only for indoor installation
- Economical source for supplemental or primary heat
- Shipped loose for field installation
- Standard 2 stage heat
- SCR controls available

SLIP-IN DUCT HEATERS

- Slip-in duct only for indoor or outdoor installation — outdoor installation require NEMA 4 enclosure
- Economical Source for supplemental or primary heat
- Shipped loose for field installation
- Standard 2 Stage heat
- SCR controls available

ADD-ON GAS DUCT HEATERS

INDOOR SEPARATED COMBUSTION DUCT HEATERS

- Designed for primary room heating source
- Non-residential, commercial applications only
- Separated combustion
- Stainless steel heat exchanger, burners, drip pan
- Capacities: 75,000 to 400,000 btu/hr for Nat or LP

OUTDOOR POWER VENTED DUCT HEATERS

- Designed for primary room heating source
- Commercial applications
- Residential applications with outdoor dehumidifier installations
- Stainless steel heat exchanger, burners, drip pan
- Capacities: 75,000 to 400,000 btu/hr for Nat or LP





DEHUMIDIFIER ACCESSORIES

HUMIDITY & TEMPERATURE CONTROLS

UNIVERSAL CONTROLLERS

- TCI-W22 Universal Controller
 - Commercial or residential applications
 - Easy to use graphical interface
 - Non-proprietary
 - For use with wall or duct mounted sensors
- TCX2 Universal Controller
 - Commercial or residential applications
 - Easy to use graphical interface
 - Non-proprietary
 - For use with wall or duct mounted sensors
 - BACnet (MS/TP only), MODBUS or stand-alone application

COMBINATION HUMIDITY & TEMPERATURE CONTROLLERS

- VP-3600 Controller
 - For residential applications
 - Attractive wall-mounted case
 - Fully programmable
 - Non-proprietary
 - Built-in sensors, standard
 - Remote sensor ready
 - Remote Internet Access with RedLINK Gateway
 - Auto-changeover heating and cooling





| HOME FA Syst Outdoo | N SYSTEM MEN tem: Cool or: 80°/55% | |
|---------------------------|--|---------|
| 1ND00R - | Fallow S ⁵⁴ Humidity | set 72° |

DEHUMIDIFIER ACCESSORIES CONTINUED

REMOTE CONDENSERS

LARKIN STYLE

- Single and dual circuit systems from 1.5 ton to 30 ton
- For outdoor installation
- Vertical or horizontal discharge
- ElectroFin[™] coated coil available (for seacoast installations)
- Full-flooding system (-20F capability)
- For 95F to 105F ambient in standard configurations



ORC STYLE

- Single circuit systems from 1.5 ton to 6 ton
- For outdoor or indoor installation

 indoor installation must be ducted to outdoors
- Horizontal discharge
- ElectroFin[™] coated coil, standard feature
- Full-flooding system (-20F capability)
- For 95F to 105F ambient in standard configurations



OUR PARTNERS

CONTROL SYSTEMS

JOHNSON CONTROLS CONTROL SYSTEMS

HEATCRAFT - LARKIN

REMOTE CONDENSERS

DELL HEATRIX MANUFACTURING ELECTRIC HEATERS

MODINE

GAS FIRED DUCT FURNACES



ELECTRIC MOTORS

PARKER - SPORLAN DIVISION REFRIGERATION COMPONENTS

CONTACT & WARRANTY

ONLINE WEB SUPPORT

- Pool Room and Commercial Calculation Forms
- Interactive Product Guide
- All Equipment Specifications and Unit Drawings
- Product Brochures
- Technical Support
- All Print Material

FACTORY SUPPORT

- Engineering to provide solutions to your application or problem
- Unit Selection and Quotation
- Factory Start-Ups Available
- Start-ups are Mandatory for 15 Tons and up!!
- Field Technical Support: Mon. Fri.

CONTACT US

8:00 A.M. TO 5:00 P.M. CST

FEEL FREE TO CALL US:

PHONE: 262.377.7501 | TOLL FREE: 888.883.7602

E-MAIL US:

INFO@DEHUMIDIFIERCORP.COM

WEBSITE:

WWW.DEHUMIDIFIERCORP.COM

About Us

Founded in 1995, Dehumidifier Corporation of America (DCA) is a US corporation dedicated to the field of dehumidification. This is a very specialized field best served by companies whose primary mission is that of solving every conceivable dehumidification challenge.

Dehumidifier Corporation of America takes pride in offering the best possible product line incorporating the latest proven technology at the most competitive prices in the industry. Our engineering staff is available to you at every step of the dehumidification process, from defining the problem, evaluating the moisture load, and matching the right dehumidification system to achieve the desired results.

Dehumidifier Corporation of America's mission is to solve our customer's dehumidification problems while offering the highest quality products at a competitive price, employing the latest proven technology and built to the highest standards by American craftsmen.

Contact Us

Resource Library

Dehumidifier Corporation of America

W53 N550 Highland Drive Cedarburg, WI 53012 Toll Free: 888.883.7602 Ph: 262.377.7501 www.dehumidifiercorp.com



- Connect with DCA ·

