



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 a standard 5 year warranty for refrigeration coils and compressors.

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.

COMPRESSORS

DCA dehumidifiers feature 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 offers a leasing program through an equipment finance group that provides a responsive, flexible and secure source of capital for purchasing your dehumidification system.

VALUE-DRIVEN QUALITY, BUILT HERE

We have the best warranty in the industry and the highest quality components, all built by American craftsmen and at a competitive price. This is what we mean when we say “Value-Driven Quality, Built Here.”



*DCA 2500Y 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-454B**

SPECIFICATIONS AT A GLANCE

MODEL	MOISTURE REMOVAL LBS/HR ¹		NET SENSIBLE COOLING MBH ²		NET REHEAT MBH ³		POOL WATER (WH) MBH ⁴	
	82F/50% rh	82F/60% rh	82F/50% rh	82F/60% rh	82F/50% rh	82F/60% rh	82F/50% rh	82F/60% rh
DCA650Y & WH	5.9	7.5	9.6	8.5	10.1	12.1	20.1	20.8
DCA900Y & WH	8.9	11.4	14.0	12.4	15.0	17.8	29.4	30.5
DCA1500Y & WH	13.4	17.2	20.8	18.5	22.3	26.5	43.9	45.6
DCA2000Y & WH	18.5	23.6	28.6	25.4	30.6	36.5	60.2	62.5
DCA2500Y & WH	23.2	29.9	37.1	32.8	38.5	46.1	76.7	79.6
DCA3000Y & WH	29.1	37.1	44.8	39.7	48.6	57.8	94.4	97.9
DCA3300Y & WH	31.1	39.4	46.3	41.3	52.3	61.8	99.8	103.8
DCA3600Y & WH	34.1	43.2	51.3	45.5	56.6	67.1	109.1	113.3
DCA4100Y & WH	39.2	49.8	59.7	53.3	65.9	78.0	126.9	131.8
DCA4800Y & WH	45.9	58.6	72.3	63.7	77.3	91.9	150.8	155.9
DCA5500Y & WH	51.5	65.5	79.5	70.1	86.8	102.8	167.6	174.4
DCA6500Y & WH	59.1	75.9	92.9	82.1	97.5	116.5	191.6	199.0
DCA7000Y & WH	67.7	85.9	103.5	91.7	114.1	134.9	219.2	227.6

AIR COOLED & POOL WATER HEATING DUAL CIRCUIT 18 TON TO 30 TON **R-454B**

SPECIFICATIONS AT A GLANCE

MODEL	MOISTURE REMOVAL LBS/HR ¹		NET SENSIBLE COOLING MBH ²		NET REHEAT MBH ³			POOL WATER (WH) MBH ^{4,5}	
	82F/50% rh	82F/60% rh	82F/50% rh	82F/60% rh	82F/50% rh	82F/60% rh		82F/50% rh	82F/60% rh
DCA8000Y & WH	78.3	99.6	119.4	106.5	131.9	156.0	Circuit A Only ⁵	126.9	131.8
DCA9000Y & WH	91.7	117.2	144.6	127.3	154.6	183.8	Circuit A Only ⁵	150.8	155.9
DCA11000Y & WH	103.0	131.0	159.1	141.5	173.5	205.6	Circuit A Only ⁵	167.6	174.4
DCA14000Y & WH	135.4	171.9	207.1	183.3	228.1	269.9	Circuit A Only ⁵	219.2	227.6

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 pool 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-454B**

MODEL	LENGTH	WIDTH	HEIGHT	WEIGHT	AVAILABLE VOLTAGE AND PHASE*
DCA650Y	49 ¼	32	30 ½	365	208/230-1-60
DCA650Y-WH	56	32	30 ½	410	
DCA900Y	56	32	30 ½	420	208/230-1-60 ; 208/230, 460-3-60
DCA900Y-WH	56	40	30 ½	475	
DCA1500Y	56	32	30 ½	470	208/230-1-60 ; 208/230, 460, 575-3-60
DCA1500Y-WH	56	40	30 ½	580	
DCA2000Y	56	40	30 ½	540	
DCA2000Y-WH	66	45	34 ½	700	
DCA2500Y	56	40	30 ½	580	
DCA2500Y-WH	66	45	34 ½	745	
DCA3000Y	66	45	34 ½	750	
DCA3000Y-WH	74 ½	55	49	955	
DCA3300Y	66	45	34 ½	900	208/230, 460, 575-3-60
DCA3300Y-WH	74 ½	55	49	1100	
DCA3600Y	66	45	35	900	
DCA3600Y-WH	74 ½	55	49	1250	
DCA4100Y	74 ½	55	49	1260	
DCA4100Y-WH	74 ½	55	49	1500	
DCA4800Y	74 ½	55	49	1320	
DCA4800Y-WH	74 ½	55	49	1580	
DCA5500Y	74 ½	55	49	1360	
DCA5500Y-WH	74 ½	55	49	1640	
DCA6500Y	97	55	49	1550	
DCA6500Y-WH	97	55	49	1800	
DCA7000Y	97	55	49	1600	
DCA7000Y-WH	97	55	49	1880	

AIR COOLED & POOL WATER HEATING DUAL CIRCUIT 18 TON TO 30 TON **R-454B**

MODEL	LENGTH	WIDTH	HEIGHT	WEIGHT	AVAILABLE VOLTAGE AND PHASE*
DCA8000Y	97	55	70	2500	208/230, 460, 575-3-60
DCA8000Y-WH	97	55	70	2850	
DCA9000Y	97	55	70	2900	
DCA9000Y-WH	97	55	70	3300	
DCA11000Y	136 ½	77	72 ⅝	3500	
DCA11000Y-WH	136 ½	77	72 ⅝	3800	
DCA14000Y	136 ½	77	72 ⅝	4000	
DCA14000Y-WH	136 ½	77	72 ⅝	4000	

*50Hz Available Upon Request

FEATURES FOR SWIMMING POOL ROOM & COMMERCIAL HORIZONTAL DEHUMIDIFIERS

STANDARD FEATURES

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



DCA 2500Y-WH POOL WATER HEATING 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)



DCA 11000Y AIR COOLED UNIT

SWIMMING POOL ROOM & COMMERCIAL VERTICAL DEHUMIDIFIER

AIR COOLED & POOL WATER HEATING **R-454B**

SPECIFICATIONS AT A GLANCE

MODEL	MOISTURE REMOVAL LBS/HR ¹		NET SENSIBLE COOLING MBH ²		NET REHEAT MBH ³		POOL WATER (WH) MBH ⁴	
	82F/50% rh	82F/60% rh	82F/50% rh	82F/60% rh	82F/50% rh	82F/60% rh	82F/50% rh	82F/60% rh
DCA650YV & WH	5.9	7.5	9.6	8.5	10.1	12.1	20.1	20.8
DCA900YV & WH	8.9	11.4	14.0	12.4	15.0	17.8	29.4	30.5
DCA1500YV & WH	13.4	17.2	20.8	18.5	22.3	26.5	43.9	45.6
DCA2000YV & WH	18.5	23.6	28.6	25.4	30.6	36.5	60.2	62.5
DCA2500YV & WH	23.2	29.9	37.1	32.8	38.5	46.1	76.7	79.6
DCA3000YV & WH	29.1	37.1	44.8	39.7	48.6	57.8	94.4	97.9
DCA3300YV & WH	31.1	39.4	46.3	41.3	52.3	61.8	99.8	103.8
DCA3600YV & WH	34.1	43.2	51.3	45.5	56.6	67.1	109.1	113.3

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 pool water temperature.

UNIT DIMENSIONS, WEIGHT AND VOLTAGE

MODEL	LENGTH	WIDTH	HEIGHT	WEIGHT	AVAILABLE VOLTAGE AND PHASE*
DCA650YV	34	40	71 5/8	520	208/230-1-60
DCA650YV-WH	34	40	71 5/8	600	
DCA900YV	34	40	71 5/8	570	208/230-1-60 ; 208/230, 460-3-60
DCA900YV-WH	34	40	71 5/8	650	
DCA1500YV	34	40	71 5/8	585	208/230-1-60 ; 208/230, 460, 575-3-60
DCA1500YV-WH	34	40	71 5/8	660	
DCA2000YV	34	40	71 5/8	660	
DCA2000YV-WH	34	40	71 5/8	740	
DCA2500YV	34	40	71 5/8	700	
DCA2500YV-WH	34	40	71 5/8	760	
DCA3000YV	34	40	71 5/8	710	
DCA3000YV-WH	34	40	71 5/8	770	
DCA3300YV	34	43 1/2	80 1/8	850	208/230, 460, 575-3-60
DCA3300YV-WH	34	43 1/2	80 1/8	1020	
DCA3600YV	34	43 1/2	80 1/8	950	208/230, 460, 575-3-60
DCA3600YV-WH	34	43 1/2	80 1/8	1070	

*50Hz Available Upon Request

FEATURES FOR SWIMMING POOL ROOM & COMMERCIAL VERTICAL DEHUMIDIFIERS

STANDARD FEATURES

- Industry Leading Warranty 3 Years
- ElectroFin™ Coated Coils
- Remote Condenser Ready
- ETL Listed
- Low Ambient Head Pressure Control
- Stainless Steel Condensate Pans
- Rifled Tube Refrigeration Coils
- Hot Gas By-Pass
- TEFC or ODP 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 3300YV-WH POOL WATER HEATING UNIT

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



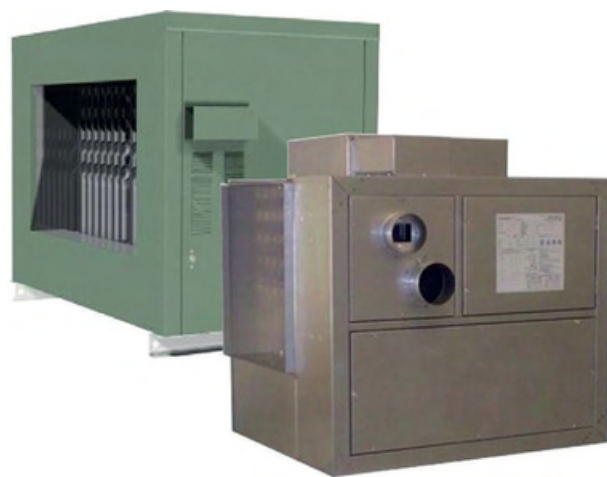
SLIP-IN DUCT HEATERS

- 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
- 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: 100,000 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: 100,000 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



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 installation
- Horizontal discharge
- ElectroFin™ coated coil, standard feature
- Full-flooding system (-20F capability)
- For 95F to 105F ambient in standard configurations



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:

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About Us

Founded in 1995, Dehumidifier Corporation of America (DCA) is a U.S. 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

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- Connect with DCA -

