



RH-Cube™ 18 SP Swimming Pool Dehumidifier

450 pints (213 liters) Per Day



Why install a dehumidification system for an indoor swimming pool?

If not controlled, water evaporation from indoor pools create high indoor humidities which can make your pool-side stay feel oppressive and uncomfortable, and can even lead to cardio-vascular problems. Furthermore, with high humidity there is a risk of condensation forming on metal fixtures, exterior walls and glass surfaces resulting in the formation of mold and corrosion. Mold poses a serious threat to human health. Both mold and corrosion can damage buildings and lead to costly repairs.

All these potentially harmful effects brought on by excessive humidity can be avoided through proper dehumidification. DewAir's RH-Cube 18 SPw controls humidity levels to ensure a comfortable, healthy atmosphere for everyone while helping to maintain your home.





RH-Cube 18 SP

The RH-Cube 18 SP is a high efficiency split-air dehumidifier. When paired with a 2-ton air conditioning condenser, and for an entry air condition of 80°F / 60%RH, the RH-Cube 18SP removes 19 lbs/hr water while using only 2.2kW of power.

Longevity

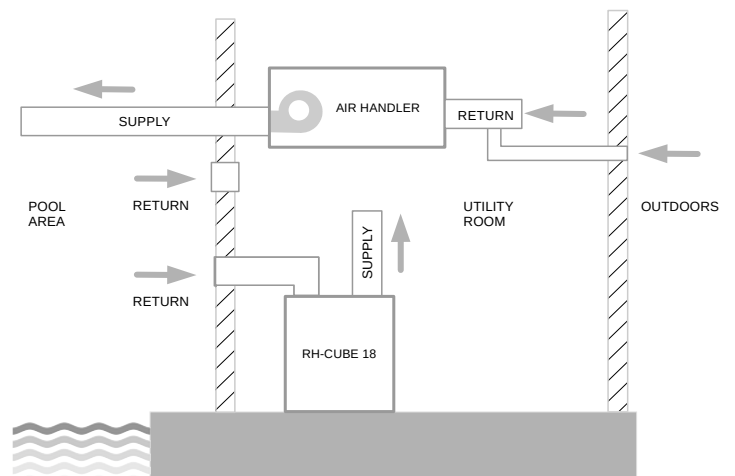
All components are treated to prevent corrosion and to tolerate the chemicals of a pool environment.

Warranty

5 years for the compressor, and 1 year for all other parts.

Ease of Installation

There are many ways to integrate the RH-Cube 18SPw into an HVAC system. The simplest is to place the unit in the HVAC utility room with a single return duct connecting the RH-Cube 18SPw to the pool area and with the RH-Cube 18SPw's supply venting into the utility room where it is allowed to mix with the air handler's return air for distribution throughout the pool area.

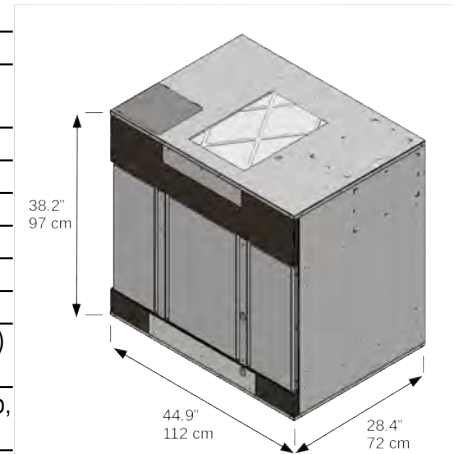


Support

Our support team will work with you via email, phone, or video conferencing to ensure a smooth problem-free installation.

RH-CUBE™ 18 DEHUMIDIFIER

Part Number	DA-900-0001
Typical Power Consumption	340 Watts @ 80°F and 60% RH
Blower power, STP performance	336W (0.44 HP), 610 CFM @ 0" WG, 545 CFM @ 0.2" WG (50 Pascals), 500 CFM @ 0.35 WG (87 Pascals)
Supply Voltage, Cord	115 VAC - 1 phase, 60 Hz, 6 foot cord (grounded)
Power Circuit (Max Current Draw)	15 A breaker (Max draw 3.2A)
Drain connection	3/4" (19 mm) NTP threaded female
Control Device (not included)	Dehumidistat
Output Control Power	24 VAC up to 30 VA to power dehumidistat control
Blower Switch	Auto or always on
Return Duct (air into RH-Cube)	Required Minimum: 3 foot duct. Opening on top is 12" (30.5 cm) x 18" (46 cm)
Supply Duct (air out of RH-Cube)	Duct optional but recommended. Cutout choice on left, right, top, and back. 8" (20.5 cm) x 14" (35.6 cm)
Other blower duct system connect	Refer to installation manual for several options
Service Access Left Side	Connection pipes, electrical control, blower switch
Service Access Front	Evaporator coil, four heat exchangers, filter cover
Service Access Top	Electrical components box
Air Filter(standard recommended)	Camfil 24 x 16 x 2 30/30 MERV 8 Part # 049880-016
Filter Maintenance	Inspect every 1-2 months, replace every 3-4 months or as needed
Alternative Air Filter (premium)	Camfil 24 x 16 x 2 30/30 Dual 9 Part # 0406331-016
Equipment Weight, Ship Weight	Equipment 260 lbs (117 Kg), Ship 300 lbs (136 Kg)
Minimum maneuvering weight	Approx 180 lbs (81 Kg) If needed, two front panel doors are easily opened so the 4 heat exchangers weighing 20 lbs each can be removed at client site to reduce final positioning weight, then reinserted.
Equipment Dimensions (incl. pipes)	44.0" x 28.4" x 38.2" 112 cm x 72 cm x 97 cm
Shipping Dimensions	47.0" x 32.0" x 44.0" 120 cm x 82 cm x 112 cm
Capacity	from 630 to 20,000 Btu/hr/15°F.T.D



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