

**ECOR PRO offers a wide range
of Industrial and Commercial Dryers,
Swimming Pool Dehumidifiers.**



Industrial dryers for professional markets.



We reduce humidity.

Our range

Ecor Pro has developed a range of dehumidifiers for the professional market.

These products are in use by many blue-chip companies in Europe and they excel in performance and quality.

On our team are engineers, all with relevant backgrounds in applying dehumidifying technics for industrial applications.

Our range of commercial and swimming pool dehumidifiers:

-  **D 850 E & D 950 E**
-  **DH 8500 EW & DH 9500 EW**
-  **DSR-12 & DSR-20**
-  **D 1100**
-  **Big Yellow 65**
-  **DDH 2500**

The solution against humidity.

Our heater:

 **Big Red Heater**



The solution against cold.

52 - 61 L/day

This high capacity dehumidifier is for professional and commercial applications, helping to combat excess moisture in swimming pools, bathing and leisure areas, food preparation areas, stores, archives, museums, libraries and many more locations.

- Installed dehumidifier
- Electronic defrost control
- Rotary compressor
- Mains plug fitted
- Wall mounting bracket
- Free standing on 4 feet
- Electronic humidistat
- Washable air filter
- 2 speed fan
- Adjustable air louvers
- Power on indicator
- Drying indicator
- Digital humidity readout
- Electronic touch controls

TECHNICAL DATA

TYPE: Wall Fixed Industrial Dehumidifier		D850E/R410A	D950E/R410A
Mains		230 V / 50 Hz	
Power consumption	W	915	1360
Current (operation)	A	4,15	6,5
Current (at start)	A	20	22
Water extraction at	L/24h		
30 °C, 70 % RH		52	61
30 °C, 80 % RH		60	76
32 °C, 90 % RH		63	81
Refrigerating agent R410A*	g	540	700
Airflow (at high fan speed)	m³/h	650	830
Operating temperature	°C	7 - 35	
Dimensions w x d x h	mm	660 x 345 x 750	
Weight (net)	kg	37	39

Meets EEC directive 73/23/CE (LVD).

Specifications may change without prior notice.



The solution against humidity.

ECOR^{PRO}

47 - 57 L/day



Small dehumidifier, easy to handle with large capacity designed for commercial and industrial use.

Typical installation places include restaurants, bars, printing companies, indoor swimming pools, garages, stores, holiday homes and archives.



TECHNICAL DATA

TYPE: Industrial Dehumidifier		D8500EW	D9500EW
Mains		230 V / 50 Hz	
Power consumption	W	850	1200
Current (operation)	A	3,5	4,1
Current (at start)	A	20	22
Water extraction at	L/24h		
30 °C, 85 % RH		47	57
30 °C, 80 % RH		43	55
27 °C, 60 % RH		24	35
Refrigerating agent R410A	g	400	410
Airflow (at high fan speed)	m³/h	430	430
Operating temperature	°C	7 - 35	
Dimensions w x d x h	mm	500 x 306 x 680	
Weight (net /gross)	kg	25 / 26,5	26,5 / 28
Meets EEC directive 73/23/CE (LVD).		Specifications may change without prior notice.	

The solution against humidity.

86 - 134 L/day



This high capacity dehumidifier is for professional and commercial applications, helping to combat excess moisture in food preparation areas, bathing and leisure areas, stores, archives, museums, libraries and many more locations. Optional available as DSR ducted unit.



- Suitable for swimming pool surface area of 35-50 sq.m.
- Large capacity dehumidifier designed for commercial and industrial use
- Typical installation places include restaurant, bars, printing companies, indoor swimming pools, garages, stores, holiday homes, archives
- Cover can be removed if fitting is needed in recess or an air duct
- Optional humidistat

TECHNICAL DATA

TYPE: Commercial / Industrial Dehumidifier		DSR-12	DSR-20
Mains		230 V / 50 Hz	
Power consumption	W	1300	2600
Current (operation)	A	-	-
Current (at start)	A	-	-
Water extraction at 30 °C, 75 % RH	L/24h	86	134
Refrigerating agent R410A	g	-	-
Airflow (at high fan speed)	m³/h	1500	1500
Operating temperature	°C	5 - 35	
Dimensions w x h x d	mm	680 x 665 x 453	
Weight (net)	kg	68	78
Meets EEC directive 73/23/CE (LVD).		Specifications may change without prior notice.	

The solution against humidity.

81 L/day



Large Capacity Commercial Dehumidifier

- Large capacity dehumidifier designed to run commercial and industrial use
- Typical installation places include restaurants, bars, printing companies, indoor swimming pools, garages, stores, holiday homes, archives.



TECHNICAL DATA

TYPE: Large capacity Commercial / Industrial Dehumidifier		D1100
Mains		230 V / 50 Hz
Power consumption	W	1260
Current (operation)	A	-
Current (at start)	A	-
Water extraction at 32 °C, 90 % RH	L/24h	81
Refrigerating agent R410A	g	-
Airflow (at high fan speed)	m ³ /h	1000
Operating temperature	°C	7 - 35
Dimensions w x d x h	mm	680 x 260 x 1130
Weight (net)	kg	45
Meets EEC directive 73/23/CE (LVD).		Specifications may change without prior notice.

The solution against humidity.

Industrial desiccant dehumidifier

range for the flood & water damage professional, temporary humidity control, museums, research laboratories, dry air storage, small production processes, stores, sports halls, and manufacturing plants.

26 L/day



Process air duct diameter
(optional) 125 mm
Dry air delivery duct
diameter 125 mm
Exhaust air duct diameter 80 mm

- High efficiency Regen pre-dry technology
- Epoxy coated Zintec™ Construction
- Tubular exo-skeleton protection
- Ammeter
- TEI (Time-Elapsed Indicator)
- Remote control interface
- PTC regen heater
- Process air filter
- Optional inlet duct
- RadiCal™ low-noise fan technology
- Low-tension 'toothed' drive belt
- Dual ball bearing Desiccant wheel hub



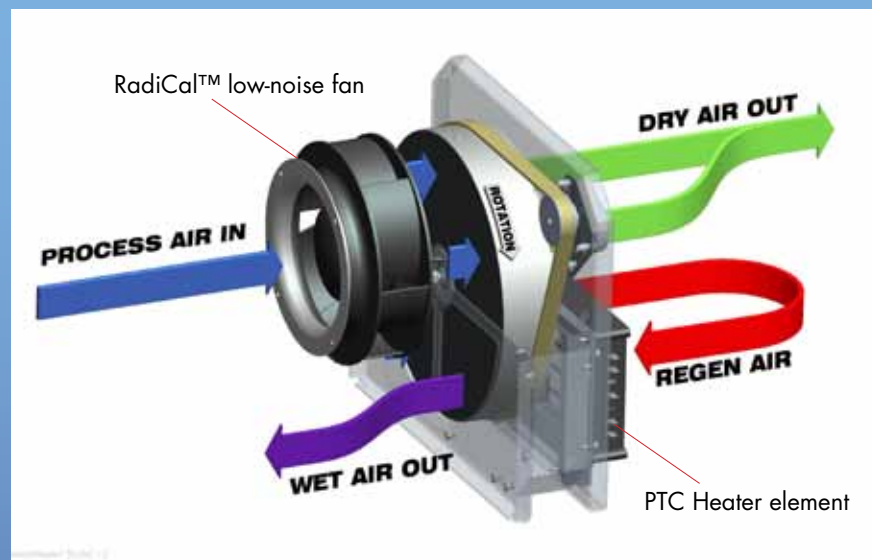
Our desiccant dehumidifier works according to the principle of adsorption. This guarantees a high level of performance and a high level of reliability. The desiccant works well at low temperature (-20°C).

TECHNICAL DATA

TYPE: Industrial Desiccant Dehumidifier		DDH2500
Mains		230 V / 50 Hz
Power consumption	W	1200
Current (operation)	A	4
Water extraction at 30 °C, 65 % RH	L/24h	26
Airflow (at high fan speed)	m³/h	250
Operating temperature	°C	-20 up to +40
Dimensions w x d x h	mm	350 x 455 x 340
Weight (net)	kg	16,5
Meets EEC directive 73/23/CE (LVD).		Specifications may change without prior notice.

The solution against humidity.

How does our Industrial Desiccant Dehumidifier work?



A fan blows air through a porous wheel of Desiccant material (water absorbing). The wheel rotates slowly in a housing that provides 3 separate air paths (Main, Regen & Post-cool) through the wheel. As it rotates, all parts of the wheel pass through each air path. In the main path (approx 60% of wheel area) process air passes through the wheel and is dried because the wheel absorbs its moisture, this air is then routed to the 'Dry-Air-Out' duct.

As the wheel rotates through the main air path, it becomes moisture-laden, it then rotates through the 'Regen' air path (approx 15% of wheel area), here, the air is heated before it passes through the wheel, the hot air, forces the moisture out of the wheel effectively drying it. This moisture laden air is then directed out through the 'Wet-Air-Out' duct.



- Process-air inlet duct is optional
- Wet-air-out should be ducted to an 'exhaust' area
- Dry-air-out should be ducted to the area to be dried.

Note, ducting depends on where unit is situated - if the unit is placed inside the area to be dried, the 'Dry-air-out' need not be ducted but the 'Process-air-in' and the 'Wet-air-out' must be ducted outside of that area.

As the 'Regen' process raises the wheel temperature, its ability to absorb moisture directly after this part of the process is diminished and it can cause unwanted temperature rise in the air-out, therefore the Ecor-Pro unit has a 'Post-cool' air path (approx 15% of wheel area).

Here, a small proportion of the process air is directed through this path and into the heater providing the Regen air. This has a double benefit, first, it cools the wheel making it more efficient for the main air path, second, it pre-heats the air going into the Regen process thus reducing the energy needed by the heater.

As the wheel rotates - so the process continues.

65 L/day



Building Dryer for use at construction sites.

- Digital Controls
- Delayed start-up system for safer operation and prolonged unit life
- Automatic defrost system
- 12 hour programmable timer
- Continuous drainage
- Washable air filter
- Handle and semi-pneumatic wheels for easy movement
- High impact resistant case

TECHNICAL DATA

TYPE: Commercial /Industrial Dehumidifier		BYD 65
Mains		230 V / 50 Hz
Power consumption	W	750
Current (operation)	A	3,3
Current (at start)	A	4,6
Water extraction at 30 °C, 80 % RH	L/24h	65
27 °C, 60 % RH		38
Refrigerating agent R410A	g	560
Airflow (at high fan speed)	m ³ /h	400
Operating temperature	°C	3 - 35
Dimensions w x d x h	mm	485 x 510 x 810
Weight (net)	kg	37

Meets EEC directive 73/23/CE (LVD).

Specifications may change without prior notice.

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ECOR PRO



Big Red Heat - Infrared Electric Cabinet Heater with Gold Halide Light

Powder coated metal cabinet with two quartz infrared elements and chemically polished reflectors for maximum heat emission.

Controllable power output by rocker switches on the side of the cabinet.

Features easy-rolling swivel castors with two locking castors fitted at the back. Suitable for a wide range of personal warming and restorative applications.

- 2 Strong Metal Quartz Heating Elements
- Tough Metal Construction
- High / Low settings (1500W / 3000W)
- Gold Halide Lights prevents cataracts

The solution against cold.

TECHNICAL DATA

TYPE: Infrared Electric Cabinet Heater	Big Red Heat	
Mains	230 V / 50 Hz	
Power consumption (1 element)	W	1500
Power consumption (2 elements)	W	3000
IP protection class	IP 20	
Dimensions w x h x d	mm	560 x 490 x 885
Weight (net)	kg	15,7
Meets EEC directive 73/23/CE (LVD). Specifications may change without prior notice.		