

# PD120 & PD200 DEHUMIDIFIER

## SPECIFICATIONS

Specifications	PD120	PD200
Model No.	1028200	1028250
Height	17.5" (445mm)	17.5" (445mm)
Width	27.0" (690mm)	27.0" (690mm)
Depth	26.0" (660mm)	26.0" (660mm)
Weight	176 lbs (80kg)	176lbs (80kg)
Voltage	110 V	220V
Phase	1	1
Frequency	60 Hz	60 Hz
Current	9.2 A	10.6 A
Power	1000 W	2250 W
Airflow – Low Speed	261 cfm (445 m3/hr)	585 cfm (995 m3/hr)
Airflow – High Speed	491 cfm (835 m3/hr)	664 cfm (1130 m3/hr)
Noise Level	69 dba	73 dba
Refrigerant	R407c	R407c
Effective Volume	10,594 cu.ft (300m3)	21,188 cu.ft (600 m3)
Typical Extraction (80°F 80% RH)	110 ppd	190 ppd
Heat Recovery	9,350 BTU	15,500 BTU
Minimum Operating Temp	33°F (1°C)	33°F (1°C)
Maximum Operating Temp	95°F (35°C)	95°F (35°C)

Features	PD120	PD200
Model No.	1028200	1028250
On/Off Control (Via The Humidistat)	✓	✓
Electronic Defrost Control	✓	✓
Temperature Sensitive Defrost	✓	✓
Compressor Type	Rotary	Reciprocating
Fitted Mains Plug	✓	✓
Fan Speeds	2	2
Fan Type	Centrifugal	Centrifugal
Duct Flanges - (✓ = Inc, O = Optional)	O	O
Adjustable Control Humidistat	✓	✓
Reverse Cycle Defrost	✓	✓
Carrying Handles	✓	✓
Remote Humidistat	✓	✓
Epoxy Powder Coating	✓	✓
Gravity Drain (1/2" O/D)	✓	✓
Washable Air Filter	✓	✓

## APPLICATION

EIPI's dehumidifiers clear the air in damp interior spaces. Condensation is removed from windows, walls and ceilings. Stuffy air is drawn off and dry air is pumped back in. You simply set the dial and air humidity remains at the desired level. EIPI's range of dehumidifiers are energy savers.

## KEY DESIGN FEATURES

- Adjustable control humidistat to maintain the level of dryness.
- A convenient drain point for condensate collection or hose attachment.
- EIP's unique temperature sensitive, "Reverse Cycle" defrosting feature which automatically melts away frost buildup providing effective operation at low ambient temperatures.
- Quite, 2 speed fan.
- Self-contained for quick and easy installation – No duct work required.
- Can be ducted if desired.
- Sturdy military-type carrying handles
- Totally enclosed coils in an epoxy-coated, heavy gauge steel case.

## ADDITIONAL FEATURES

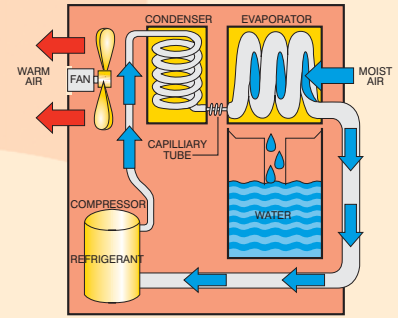
Optional inlet / outlet duct flanges.



**HIGH CAPACITY, LOW TEMPERATURE DEHUMIDIFIERS FOR  
 INDUSTRY, INSTITUTIONS, SWIMMING POOL, RENTALS & HOME**

# HOW A DEHUMIDIFIER WORKS

1. Air is drawn into the unit by a fan
2. Air passes over a cold surface
3. As the air is cooled, its moisture condenses
4. Water falls into the container
5. Air is re-heated by the heat recovery system
6. Air passes back into room 2°C warmer and considerably dryer
7. Defrost system automatically de-ices unit as necessary
8. Unit switches off automatically when container is full
9. When the unit achieves the selected level of dryness it switches off automatically



Applications	PD120	PD200
Model No.	1028200	1028250
Swimming Pools	✓	✓
Residential Pools	✓	✓
Therapeutic Pools	✓	✓
Spas	✓	✓
Whirlpools	✓	✓
Sports Halls	✓	✓
Health & Fitness Centres	✓	✓

Applications	PD120	PD200
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Aerobic Rooms	✓	✓
Racquetball / Hand Ball Courts	✓	✓
Workout Areas	✓	✓
Locker Room	✓	✓
Laundry Rooms	✓	✓
Warehouses	✓	✓
Stadiums	✓	✓

## PROVEN PERFORMANCE

The PD range of dehumidifiers are available in 2 sizes, 1HP & 2HP, providing adequate building blocks to allow correct sizing for all applications. Both units are equipped with temperature sensitive defrost, this unique feature ensures full drying capacity across the wide operating temperature range. Underside runners, with predrilled mounting points, along with optional duct flanges ensures installation time is kept to a minimum.

## THE PROBLEM

Chemicals and water vapor from your pool are constantly evaporating into the air increasing your humidity level. This high, humid air, will soak its way through anything, and equally as bad condense on your walls, roof, floor and windows causing corrosion, wood rot, mold and bacteria growth and an unhealthy environment. To protect your property investment, you need to dry out your home and keep it dry all year long with a properly sized pool or spa dehumidifier.

## THE DEHUMIDIFIER

EIPL dehumidifiers are effective solutions to environmental control problems. The PD ranges of units are high capacity dehumidifiers, made to operate at high efficiencies by removing moisture from the air through the refrigeration process. The fan draws the moist air through the cold evaporator coil, which cools the air below its dew point. Moisture forms on the evaporator coil and is collected in condensate tray before draining away through the condensate tube. The cooled air then passes through the hot condenser coil where it is reheated using the same energy removed during the cooling phase, plus the additional heat generated by the compressor. The air is, therefore, discharged from the dehumidifier at a slightly higher temperature with a lower absolute humidity than that which entered. Continuous circulation of air through the dehumidifier gradually reduces the relative humidity within the area. Because the PD ranges of units are equipped with an external, remote humidistat, they automatically switch on and off to save energy and expense by maintaining the desired level of humidity with intermittent operation.

The optional duct mounting flanges, reduces the installation time when connecting



Ebac Industrial Products Incorporated, 700 Thimble Shoals Blvd.  
Suite 109, Newport News, VA 23606-2575

Tel: (757) 873-6800 Fax: (757) 873-3632 www.ebacusa.com

