

PD120-D | 50-D | 220-D DEHUMIDIFIER

SPECIFICATIONS

Specifications	PD120-D	PD120-D	PD150-D	PD220-D	Features	PD Range
Model No.	10154GY-US	10155GY-US	10156GY-US	10157GY-US	Model No.	Various
Height	17.5" (445mm)	17.5" (445mm)	17.5" (445mm)	17.5" (445mm)	Local Isolator	✓
Width	27.5" (700mm)	27.5" (700mm)	27.5" (700mm)	27.5" (700mm)	Remote Touch Panel Interface	✓
Depth	26.0" (660mm)	26.0" (660mm)	26.0" (660mm)	26.0" (660mm)	Remote Humidistat Option	✓
Weight	165 lbs (75kg)	165lbs (75kg)	165 lbs (75kg)	165lbs (75kg)	Internal Humidistat & Control	✓
Voltage	110V	220V	220V	220V	System Status Indicators	✓
Phase	1	1	1	1	Internal Diagnostics Menu	✓
Frequency	60 Hz	60 Hz	60 Hz	60 Hz	Recirculation Mode	✓
Current	10.0A	4.7A	8.3A	9.6A	Electronic Defrost Control	✓
Power	1000W	1000W	1800W	2100 W	Temperature Sensitive Defrost	✓
Airflow – Low Speed	261cfm (445m3/hr)	585cfm (995m3/hr)	585cfm (995m3/hr)	585cfm (995m3/hr)	Compressor Type	Rotary
Airflow – High High	491cfm (835m3/hr)	664cfm (1130 m3/hr)	664cfm (1130 m3/hr)	664cfm (1130 m3/hr)	Fitted Mains Plug	✓
Noise Level	69dba	69dba	69 dba	73 dba	Fan Speeds	2
Refrigerant	R425c	R32	R32	R32	Fan Type	Centrifugal
Effective Volume	10,595ft ³ (300 m ³)	10,595ft ³ (300 m ³)	15,800ft ³ (450 m ³)	21,200ft ³ (600 m ³)	Duct Flanges	✓
Typical Extraction (80°F 60% RH)	120ppd	120ppd	145ppd	190ppd	Reverse Cycle Defrost	✓
Typical Extraction (80°F 80% RH)	140ppd	140ppd	170ppd	220ppd	Epoxy Powder Coating	✓
Heat Recovery	9,350 BTU	9,350 BTU	9,350 BTU	15,500 BTU	Gravity Drain (1/2" O/D)	✓
Min Operating Temp	33°F (1°C)	33°F (1°C)	33°F (1°C)	33°F (1°C)	Cartridge Air Filter	✓
Max Operating Temp	95°F (35°C)	95°F (35°C)	95°F (35°C)	95°F (35°C)		

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 %RH and air humidity remains at the desired level. EIPI's range of dehumidifiers are energy savers.

KEY DESIGN FEATURES

- Adjustable digital control humidistat.
- Remote Humidistat Option.
- Status Indicators & Diagnostics Menu
- Easy to change, cartridge air filter
- EIPI'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
- Can be ducted if desired.
- Totally enclosed coils in an epoxy-coated, heavy gauge steel case.

ADDITIONAL FEATURES

Remote Humidistat Interface

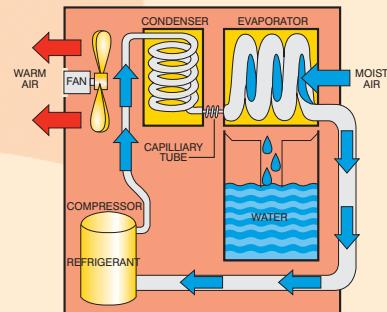
Remote Touch Control Panel Interface



HIGH CAPACITY, LOW TEMPERATURE DEHUMIDIFIERS FOR INDUSTRY,
INSTITUTIONS, SWIMMING POOL

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 drier
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	
Basements	✓
Residential Pools	✓
Therapeutic Pools	✓
Spas	✓
Whirlpools	✓
Sports Halls	✓
Health & Fitness Centres	✓

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

PROVEN PERFORMANCE

The PD digital range of dehumidifiers are available in 3 sizes, 1hp, 1.5hp & 2hp, providing adequate building blocks to allow correct sizing for all applications. All versions 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 DEHUMIDIFIER

EIPL dehumidifiers are effective solutions to environmental control problems. The PD digital range 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.

The PD range are all supplied with an internal humidistat as standard, and will operate as a stand alone unit, or installed into a ducted system.

A remote Interface is available allowing connection to either a remote humidistat, which has voltage free contacts, or the EIPL remote touch panel which incorporates an internal humidity sensor and also facility for an external humidity sensor. This panel also provides local indication of the remote dehumidifiers status & operation.



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