K100-E & K100-H DEHUMIDIFIER

SPECIFICATIONS

Specifications	K100-E	K100-H
Model No.	10185GE-US	10185GH-US
Height	27” (692mm)	27” (692mm)
Width	18” (464mm)	18” (464mm)
Depth	22” (580mm)	22” (580mm)
Weight	116lbs (53kg)	116lbs (53kg)
Voltage	110V	110V
Phase	1	1
Frequency	60 Hz	60 Hz
Current	16 A	16 A
Power	1090 W	1090 W
Airflow	700cfm (1190m3/hr)	700cfm (1190m3/hr)
Noise Level	66 dba	66 dba
Refrigerant	R407c	R407
Effective Volume	10,594 cu.ft (300m3)	10,594 cu.ft (300m3)
Typical Extraction	97 ppd	97 ppd
Min Operating Temp	33°F (1°C)	33°F (1°C)
Max Operating Temp	95°F (35°C)	95°F (35°C)

Features	K100-E	K100-H
Model No.	10185GE-US	10185GH-US
Rotary ON/OFF Switch	✔	✔
Electronic Humidity Control	✔	✔
Smartphone Interface	✔	X
Datalogging Facility	✔	X
Reverse Cycle Defrost System	✔	✔
Electronic Defrost Control	✔	✔
Compressor Type	Recip	Recip
Fitted Mains Plug	✔	✔
Free Standing	✔	✔
Wall Mounting Bracket (✔ = Inc, O = Optional)	O	O
High Capacity Water Pump (20ft Vertical Lift)	✔	✔
High Level Cut-out Switch	✔	✔
Epoxy Powder Coating	✔	✔

APPLICATION

The EIPL K100 range of dehumidifiers are versatile workhorse, designed to eliminate high humidity problems in harsh environments. Warehouses, storage rooms, electrical and communications switching stations, locker rooms, basements, pumping stations, offshore oil rigs and active and laid-up marine vessels have all found this rugged range of units to be more than adequate for the tasks.

The impressive K100 can be easily moved from site to site, or can be permanently mounted and ducted to suit a variety of applications.

KEY DESIGN FEATURES

- Electronic Humidistat and sensor
- Integral high lift condensate pump
- EIPL’s unique “Reverse Cycle” defrosting system, for effective operation in low ambient temperatures.
- Standard 115V power requirements for operation in any location.
- Option wall mounting bracket
- Rubber Anti Vibration feet
- Duct flanges

K100-E ADDITIONAL FEATURES

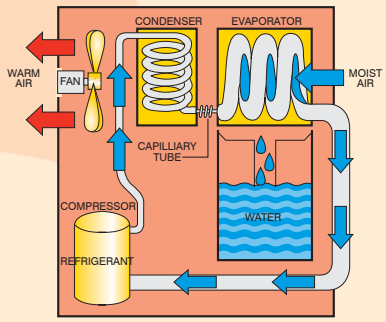
- Smartphone interface
- Datalogging facility

INC

A FULL RANGE OF HIGH CAPACITY LOW TEMPERATURE DEHUMIDIFIERS FOR INDUSTRY, INSTITUTIONS, RENTAL HOMES

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, it's 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	K100-E	K100-H
Model No.	10185GE-US	10185GH-US
Warehouse	✔	✔
Basements	✔	✔
Factories	✔	✔
Sports Halls	✔	✔
Storage Areas	✔	✔
Laboratories	✔	✔
Oil Rigs	✔	✔

Applications	K100P	K100-H
Model No.	10185GE-US	10185GH-US
Agriculture	✔	✔
Kitchens	✔	✔
Pumping Stations	✔	✔
Hotel / Motel	✔	✔
Stadiums	✔	✔
Ships / Barges	✔	✔

PROVEN PERFORMANCE

Because of EIPL's unique "Reverse Cycle" defrosting feature, the K100 units will function smoothly in temperatures down to 33°F without frost build-up. Designed to survive under adverse conditions and to deliver the goods, this unit will effectively remove more than ninety pints of airborne water vapor per day under standard conditions (80°F, 60%RH), and will exceed 20 gallons per day under extreme conditions found in problem environments.

THE PROBLEM

Excess humidity in your crawl space, warehouse, office, factory or shop results in corrosion, mold growth and rotting. Enormous costs are incurred every year through damage to inventory and through inflated building maintenance costs as a result of dampness. Even if your building seems dry during the day, at night when the temperature falls the humidity rises and the condensation process begins. The compact physical size and high performance, makes the K100P the ideal choice.

THE DEHUMIDIFIER

EIPL dehumidifiers are effective solutions to environmental control problems. The K100P 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 the condensate tray, which is equipped with an internal condensate pump for easy removal of collected moisture. 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 K100P range of units are equipped with an internal humidistat, they automatically switch on and off to save energy and expense by maintaining the desired level of humidity with intermittent operation.

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