



# CS90-E & CS90-H



PUMP



CONTROL HUMIDISTAT



HOT GAS DEFROST



SMARTPHONE INTERFACE

WAREHOUSES • FACTORIES • SPORTS HALLS  
STORAGE AREAS • AGRICULTURE • SHIPS •

## WHY THE NEED FOR A DEHUMIDIFIER?

The EIPL CS90 commercial/industrial dehumidifier was designed to provide energy efficient humidity control in a wide range of applications including offices, laboratories, apartments, storage areas, restaurants, bars, museums, locker rooms, computer, telecommunication rooms and basements. It is a quiet, high efficiency, high capacity unit designed to suit your HVAC needs.

The range of EIPL dehumidifiers are ideally suited to prevent condensation from forming on windows, walls and ceilings by removing excess moisture. They will also stop mold and mildew and eliminate rust and corrosion. .

## KEY DESIGN FEATURES

Adjustable electronic humidistat to maintain the level of dryness, Integral high lift condensate pump, EIP's unique "Hot Gas" defrosting feature which automatically melts away frost buildup providing effective operation at low ambient temperatures.

Rugged, epoxy powder-coated steel chassis and housing, Adjustable humidistat for fully automatic operation, High efficiency rotary compressor, Simplicity of installation and operation with a standard 230V plug, Carrying handles, Inlet Air Filter.



## CS90-H/E

EIPL dehumidifiers are effective solutions to environmental control problems. The CS 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.

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 CS ranges of units are equipped with an internal electronic humidistat, they automatically switch on and off to save energy and expense by maintaining the desired level of humidity with intermittent operation.

The small compact size of the CS90 products, and remote monitoring feature (via a smartphone app) of the CS90-E, make the unit the ideal choice for installations where access is limited i.e. loft installations, crawl spaces etc.

## APPLICATIONS:

APPLICATIONS	CS90
Offices	✓
Shops	✓
Restaurants	✓
Warehouses	✓
Basements	✓
Factories	✓
De-Flooding	✓
Sports Halls	✓
Storage Areas	✓
Swimming Pools	✓

## FEATURES INCLUDE:

SPECIFICATIONS	CS90-H 10590GH-GB	CS90-E 10590GE-GB
Electronic Humidity Control	✓	✓
Smartphone Interface	X	✓
Datalogging Facility	X	✓
ON/OFF Control	✓	✓
Reverse Cycle Defrost	✓	✓
Electronic Defrost Control	✓	✓
High Lift Condensate Pump	✓	✓
Power On Indicator	✓	✓
Free Standing	✓	✓
Wall Mounting Bracket	○	○
High Level Safety Cut-Out Switch	✓	✓
Washable Air Filter	✓	✓
Internal Safety Float Switch	✓	✓
Epoxy Powder Coating	✓	✓
All Steel Construction	✓	✓

## TECHNICAL DATA:

SPECIFICATIONS	CS90-H 10590GH-GB	CS90-E 10590GE-GB
Height (mm)	381	381
Width (mm)	356	356
Depth (mm)	559	559
Weight (kg)	38	38
Voltage (V)	230	230
Current (A)	3	3
Phase	1	1
Frequency (Hz)	50	50
Power (kW)	0.68	0.68
Airflow (m3/h)	390	390
Noise Level (dba)	50	50
Refrigerant	R407c	R407c
Effective Volume (m3)	250	250
Typical Extraction (27°C 60%RH) (lt/day)	30	30
Min Op Temp (°C)	3	3
Maxi Op Temp (°C)	35	35