

# SPECIFICATIONS

Specifications	CD35-S	CD35-SP	Features	CD35-S	CD35-SP
Model No.	10186SG-US	10186SP-US	Model No.	10186SG-US	10186SP-US
Height	22.0" (550mm)	22" (550mm)	On/Off Control (Via The H/stat)	✓	✓
Width	13.5" (345mm)	13.5" (345mm)	Electronic Defrost Control	✓	✓
Depth	14" (350mm)	14" (350mm)	Temperature Sensitive Defrost	✓	✓
Weight	57 lbs (29kg)	63lbs (28.5kg)	Compressor Type	Reciprocating	Reciprocating
Voltage	110 V	110V	Fitted Mains Plug	✓	✓
Phase	1	1	Castor Wheels	✓	✓
Frequency	60 Hz	60 Hz	Integral Water Container And Float	✓	-
Current	4 A	5 A	High Capacity Condensate Water Pump	-	✓
Power	350W	350W	Adjustable Control Humidistat	✓	✓
Airflow	170cfm (287m3/hr)	170cfm (287m3/hr)	Hot Gas Defrost System	✓	✓
Noise Level	47 dba	47 dba	Robust Carrying Handles	✓	✓
Refrigerant	R134a	R134a	Bucket Full Indicator	✓	-
Effective Volume	3,000 cu.ft (85m3)	3,000 ft3 (85m3)	Quiet Operation	✓	✓
Extraction @ 65°F 60%RH	15 ppd	15 ppd	Permanent Drain Facility	✓	-
Efficiency @ 65°F 60%RH	1.35 l/kW	1.35 l/kW	Hose Pipe - Quick Disconnect	-	✓
Typical Extraction @ 80°F 60%	24 ppd	24 ppd	Supplied with 7.8m length of hose	-	✓
Typical Efficiency @ 80°F 60%	1.83 l/kW	1.83 l/kW	Epoxy Powder Coating	✓	✓
Min Operating Temp	33°F (1°C)	33°F (1°C)			
Max Operating Temp	95°F (35°C)	95°F (35°C)			

## APPLICATION

The EIP CD35-S and CD35-SP high efficiency compact units, are surprisingly quite, yet have the features of many larger models. They are rugged enough for industrial shops and storerooms. Their attractive appearance makes them suitable for basement or garage applications. The CD35-SP is self contained with an automatic condensate pump; making it the ideal choice for the rental environment or water damage and restoration jobs for unattended, low maintenance installation is required.

## KEY DESIGN FEATURES

- Adjustable control humidistat to maintain the level of dryness
- Integral water container / bucket & float system
- Bucket Full indicator with automatic cutoff
- EIP's unique "Hot Gas" defrosting feature which automatically melts away frost buildup providing effective operation at low ambient temperatures
- Facility for permanent drainage with a convenient drain point
- Sturdy carrying handle and rolling castors for ease of mobility
- Totally enclosed coils in an epoxy-coated, heavy gauge steel case
- Galvanized chassis

## CD35-SP - ADDITIONAL FEATURES

- High capacity internal condensate pump
- Supplied with 25' length of hose
- Quick disconnect to reduce setup and dismantling time



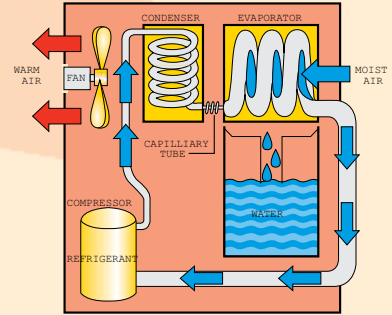
# CD35-S & CD35-SP DEHUMIDIFIER



**HIGH CAPACITY • LOW TEMPERATURE  
INDUSTRY • RENTAL YARDS • STORES • WATER RESTORATION**

# 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	CD35	CD35P
Model No.	10186SG-US	10186SP-US
Warehouse	✓	✓
Basements	✓	✓
Water Damage Restoration	✓	✓
De-Flooding	-	✓
Sports Halls	✓	✓
Storage Areas	✓	✓
Laboratories	✓	✓

Applications	CD35	CD35P
Model No.	10186SG-US	10186SP-US
Oil Rigs	✓	✓
Agriculture	✓	✓
Kitchens	✓	-
Pumping Stations	-	✓
Hotel / Motel	✓	✓
Stadiums	✓	-
Ships / Barges	✓	-

## PROVEN PERFORMANCE

The EIP CD35-S dehumidifier is a compact, stand alone unit which provides quiet, maintenance free service in extreme environments, without the cost, and irritation of coil freeze-up. This simple, yet effective solution is ideal for a damp basement or clammy locker rooms it can be easily transported to the problem area, and goes quietly to work.

The CD35-SP has all the qualities of the CD35-S; however the integral water container is replaced with a high capacity condensate pump. This unit is ideal for un-manned installations.

## 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 CD35-S family the ideal choice for many applications.

## THE DEHUMIDIFIER

EIPL dehumidifiers are effective solutions to environmental control problems. The CD 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 CD ranges 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.

The additional features of the CD35P make the unit the ideal choice for un-manned installations, as the condensate pump will pump the condensation into a toilet sink etc.

