



CD30-S / CD30-SE Dehumidifier

KEY DESIGN FEATURES



- Adjustable Control Humidistat
- Convenient Drain Point
- EIP's Unique Hot Gas Temperature Sensitive Defrost
- Sturdy Carrying Handles
- Totally Enclosed Coils
- Heavy Gauge Steel Case

CD30-SE Additional Features

- Status Indicators
- Adjustable Alarm Humidistat
- Voltage Free Alarm Signal
- Power On Indicator
- Hours Run Meter
- Wall Mounting Bracket

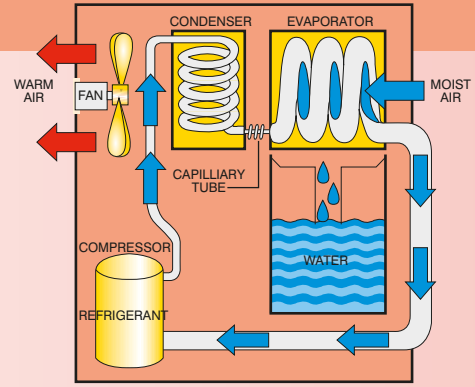
**HIGH CAPACITY • LOW TEMPERATURE • INDUSTRIAL INSTITUTIONS • RENTALS
CRAWL SPACES**

SPECIFICATIONS

SPECIFICATIONS	CD30-S	CD30-SE	FEATURES	CD30-S	CD30-SE
	11420GY-US	11420GS-US		11420GY-US	11420GS-US
Height	12" (300mm)	12" (300mm)	On/Off Control (Via The H/Stat)	✓	✓
Width	12" (304mm)	12" (304mm)	Power On Indicator		✓
Depth	22" (550mm)	22" (550mm)	Electronic Defrost Control	✓	✓
Weight	50 lbs (23kg)	50 lbs (23kg)	Temperature Sensitive Defrost	✓	✓
Voltage V / P / Hz	110 / 1 / 60	110 / 1 / 60	Hot Gas Defrost	✓	✓
Current	4A	4A	Status Indicators		✓
Power	480W	480W	Concealed Humidistat		✓
Airflow	170cfm (287m3/hr)	170cfm (287m3/hr)	Adjustable Control Humidistat	✓	✓
Noise Level	47dba	47dba	Adjustable Alarm Humidistat		✓
Refrigerant	R290	R290	Voltage Free Alarm Signal		✓
Effective Volume	3,000 cu.ft (85m3)	3,000 cu.ft (85m3)	Hours Run Meter		✓
Extraction @ 65°F 60%RH	15 ppd	15 ppd	Free Standing (Rubber Feet)	✓	✓
Efficiency @ 65°F 60%RH	1.35 l/kW	1.35 l/kW	Compressor Type	Recip	Recip
Typical Extraction @ 80°F 60%RH	24 ppd	24 ppd	Wall Mounting Bracket (O = Optional ✓ = Included)	O	✓
Typical Efficiency @ 80°F 60%RH	1.83 l/kW	1.83 l/kW	Carrying Handles	✓	✓
Min Operating Temperature	33°F (1°C)	33°F (1°C)	Mains Plug Fitted	✓	✓
Max Operating Temperature	95°F (35°C)	95°F (35°C)	Gravity Drain (1/2" I.D)	✓	✓
			Epoxy Powder Coating	✓	✓

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



APPLICATION

The EIPL CD30-S and CD30-SE units are high efficiency versions of the CD30 and CD30E heavy-duty, portable dehumidifiers which are at home in hostile industrial or marine environments. Both models are ideal for both permanent installation in remote pump stations, pipe galleries, electronic and mechanical equipment areas or for quick transport between job sites and problem areas.

You can rely on this durable unit to perform faithfully without complicated maintenance or costly downtime.

APPLICATIONS	CD30-S	CD30-SE
Crawl Spaces	✓	
Warehouses	✓	✓
Basements / Cellars	✓	✓
Laboratories	✓	✓
Pumping Stations	✓	✓
Hotel / Motel	✓	
Sports Halls	✓	
Offices	✓	✓
Oil Rigs	✓	✓

PROVEN PERFORMANCE

Under the operating conditions of 80°F and 60% Relative Humidity (AHAM standard, baseline used to compare the performance of industrial dehumidifiers), the CD30-S / CD30-SE units will remove more than 24 pints of harmful water vapor each day, additionally, nearly 4 gallons per day can be efficiently removed in an extreme environment.

The CD30-S / CD30-SE units are definitely not "another pretty face" but tough, self sufficient performers

THE DEHUMIDIFIER

EIPL dehumidifiers are effective solutions to environmental control problems. The CD 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 the condensate tray, before draining away through the condensate drain tube. In order for the water to flow in a gravity drainage system, the unit must be mounted higher than the drain. 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

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 CD30-S family the ideal choice for small spaces.

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 CD30-SE make the unit the ideal choice for installations where remote monitoring is required. The alarm humidistat can be adjusted and preset during the installation process and will provide means of identifying a high humidity condition. This unit is also supplied complete with a wall mount bracket and installation kit.



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