

SPECIFICATIONS

Specifications	CD30-S	CD30-SE	Features	CD30-S	CD30-SE
Model No.	1142000	1142050	Model No.	1142000	1142050
Height	12" (300mm)	12" (300mm)	On/Off Control (Via The H/stat)	✓	✓
Width	12" (304mm)	14" (350mm)	Electronic Defrost Control	✓	✓
Depth	22" (550mm)	22" (550mm)	Temperature Sensitive Defrost	✓	✓
Weight	50 lbs (23kg)	55lbs (25kg)	Compressor Type	Reciprocating	Reciprocating
Voltage	110 V	110V	Fitted Mains Plug	✓	✓
Phase	1	1	Free Standing (Rubber Feet)	✓	✓
Frequency	60 Hz	60 Hz	Wall Mounting Bracket (✓ = Inc, O = Optional)	O	✓
Current	4 A	5 A	Adjustable Control Humidistat	✓	✓
Power	480W	510W	Hot Gas Defrost System	✓	✓
Airflow	170cfm (287m3/hr)	170cfm (287m3/hr)	Hours Run Meter	-	✓
Noise Level	47 dba	47 dba	Voltage Free Remote Alarm Connector	-	✓
Refrigerant	R134a	R134a	Carrying Handles	✓	✓
Effective Volume	3,000 cu.ft (85m3)	3,000 cu.ft (85m3)	Power On Indicator	-	✓
Extraction @ 65°F 60%RH	15 ppd	15 ppd	Concealed Humidistat (Alarm & Control)	-	✓
Efficiency @ 65°F 60%RH	1.35 l/kW	1.35 l/kW	Adjustable Alarm Humidistat	-	✓
Typical Extraction @ 80°F 60%	24 ppd	24 ppd	Epoxy Powder Coating	✓	✓
Typical Efficiency @ 80°F 60%	1.83 l/kW	1.83 l/kW	Gravity Drain (1/2" O/D)	✓	✓
Min Operating Temp	33°F (1°C)	33°F (1°C)			
Max Operating Temp	95°F (35°C)	95°F (35°C)			

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.

KEY DESIGN FEATURES

- Adjustable control humidistat to maintain the level of dryness
- A convenient drain point for condensate collection of hose attachment
- EIP's unique "Hot Gas" defrosting feature which automatically melts away frost buildup providing effective operation at low ambient temperatures
- Sturdy military-type carrying handles
- Totally enclosed coils in an epoxy-coated, heavy gauge steel case

CD30-SE - ADDITIONAL FEATURES

- Adjustable Alarm Humidistat and "voltage free" connector
- Power On Indicator
- Hours Run Meter provides accurate run time measuring
- Supplied Complete with wall mounting bracket



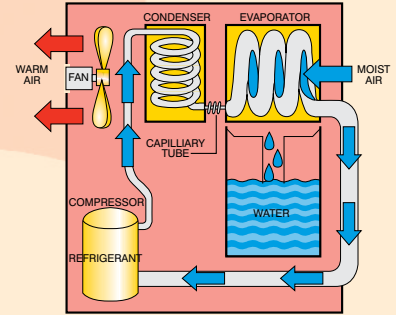
CD30-S & CD30-SE DEHUMIDIFIER



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

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 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	CD30-S	CD30-SE
Model No.	1142000	1142050
Crawl Spaces	✓	-
Warehouse	✓	✓
Basements	✓	✓
Factories	✓	✓
Water Damage Restoration	✓	-
Sports Halls	✓	-
Storage Areas	✓	✓
Laboratories	✓	✓

Applications	CD30-S	CD30-SE
Model No.	1142000	1142050
Oil Rigs	✓	✓
Agriculture	✓	-
Kitchens	✓	-
Pumping Stations	✓	✓
Hotel / Motel	✓	-
Stadiums	✓	✓
Ships / Barges	✓	-

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 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.

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 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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