

HIGH EFFICIENCY DEHUMIDIFICATION

Quest Hi-E DRY 195 dehumidifiers are designed and built with emphasis on efficiency and durability. They remove up to seven pints of water per kilowatt hour, while most comparable units in the industry remain at only two to three pints.

The high-efficiency design of Hi-E DRY 195 dehumidifiers offer more than just dramatically reduced utility costs. The larger water removal capacity from a smaller, more efficient refrigeration system eliminates the need for 220-volt circuits in many applications.

The smaller refrigeration system allows Hi-E DRY 195 dehumidifiers to cost less than other commercial dehumidifiers of equal capacity. This high efficiency dehumidifier utilizes refrigeration to cool the incoming air stream below its dew point as it passes through the dehumidification (evaporator) coil. This cooling results in the removal of moisture (latent heat) and reduction in temperature (sensible heat).

The cooled and dried air is used to precool the incoming air stream resulting in up to a 200 percent increase in overall efficiency. After the precooling stage the processed air is reheated by passing through the condenser coil. The latent heat removed by the evaporator coil is returned to the air stream at this stage as sensible heat, resulting in an overall temperature increase from the incoming air.



WATER REMOVAL PINTS/DAY

370 pints	90°F, 90%
293 pints	80°F, 80%
195 pints	80°F, 60% (AHAM)
160 pints	70°F, 60%
120 pints	70°F, 50%
97 pints	55°F, 75%
63 pints	60°F, 50%
35 pints	45°F, 70%

PERFORMANCE

°F %RH	80 60	75 50
Water Removal (P/Day)	195	138
Efficiency (P/kWh)	5.4	4.1
Energy Factor (L/kWh)	2.6	1.9

ELECTRICAL

°F %RH	80 60
Supply Voltage	110-120
Current Draw	13.1A
MCA*	18.9A
MOP*	30
Recommended Breaker Size	20A
Power	1,500W
Power Cord	14 ga NEMA 5-20p
CFM	610
BTU (Total)	14,200
BTU (Heat of Condensation)	9,000
BTU (Motor Load)	5,200

SPECS

Control Type	Onboard
Refrigerant Type	R410a
Refrigerant Amount	2 lb
Weight	130 lb
Air Filter MERV Rating	MERV-11
Dimensions	20" x 16" x 2"
Drain Port Connection	1/4" ID
Operating Temperature	56 F Min - 110 F Max



FEATURES

- + Added dehumidification where and when you need it with casters for easy transport
- + Extended reach with 10-foot power cord
- + Onboard digital dehumidistat
- + 30-foot drain hose with internal pump capable of lifting condensate 17 feet
- + Widest operating range of temperature and relative humidity
- + Auto-restart after loss of power

Specifications are subject to change without notice. Drawings are not to scale. *See manual for details on MCA/MOP.