

Custom Installed, Whole-Boat Dehumidifier System

Reduce Moisture, Eliminate Boat Odor



RiteAire Marine™ dehumidifier system shown with Smart Automatic Humidistat



Wall-mounted Smart Automatic Humidistat



Drain line discharge



Secondary manual built-in humidistat controller

How It Works

The RiteAire Marine™ dehumidifier system draws in moist air through an optimum low point in the boat. The unit lowers the humidity by 30% per pass.

The system distributes the dry air via the ductwork to the main salon, multiple staterooms, and other yacht areas. The dry supply air mixes with moist air and recirculates this moist air back to the dehumidifier unit.

The cycle continues automatically, reducing humidity moisture, VOCs, odor, and mold spores from the yacht air until the set point on the humidistat is reached.

The humidistat control monitor is mounted on the wall. The smart monitor automatically senses the setpoint. The setpoint is usually set at 45%.

When it hits the setpoint, it automatically shuts off. When the humidity rises above 45%, the RiteAire dehumidifier automatically comes on and reduces the moisture back down to the setpoint.

“With the RiteAire Marine™ solution, the humidity level automatically stays at 45%. The yacht smells clean. No musty, damp air odor, typical of most yachts.

Air conditioners alone can't do the job. With a RiteAire Marine™ Dehumidifier you can feel the dry air difference immediately.”

— Jay Chatham, Backlash Marine Management, Viking 61

Key Benefits

- Prevents mold and odor
- Improves air quality
- Reduces humidity by 30% in each pass
- Controls moisture
- Protects custom interiors
- Smart Automatic Humidistat
- Quiet operation
- Dehumidifier unit dimensions: 12" W x 12" H x 22" D
- Weight: 55 lbs.
- Power: 110 VAC
- Draws 5.1 amps max
- Trained technical installation
- 2-year warranty and service guarantee

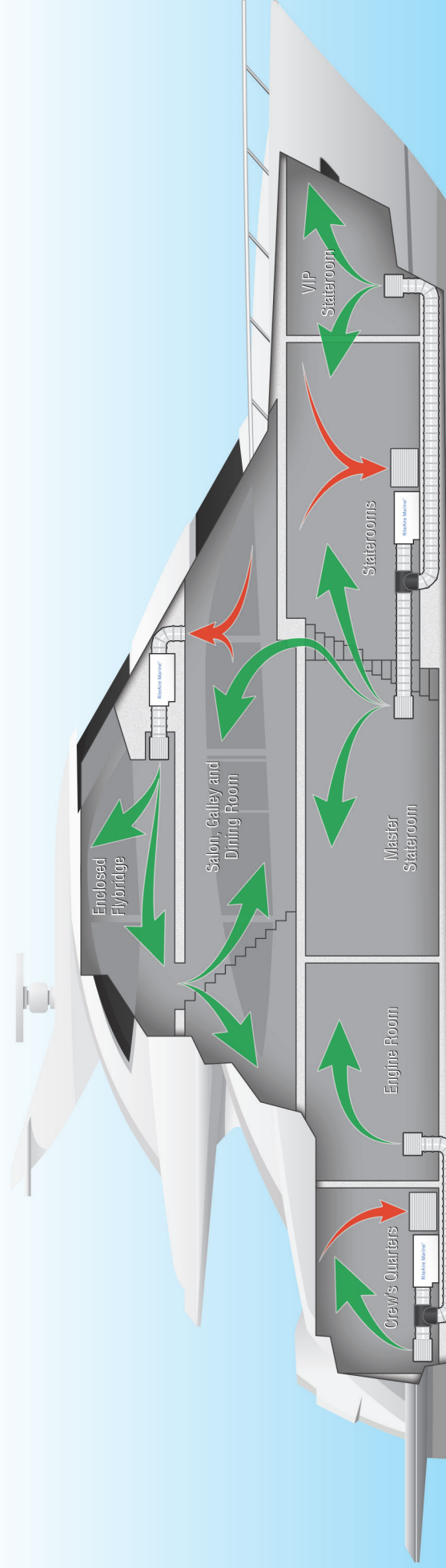
System Equipment

- Dehumidifier
- Humidistat control monitor
- Ductwork, plenums, grilles

RiteAire Marine Dehumidifier System Specifications

PART NO.	POWER	SUPPLY VOLTAGE	CURRENT DRAW	CIRCUIT REQUIREMENT	OPERATING RANGE	WATER REMOVAL	AIR FILTER	DRAIN CONNECTION	REFRIGERANT	DIMENSIONS (WITHOUT COLLARS OR DUCTING)	BLOWER
RAM2	580 Watt @ 80°F and 60% RH	115 VAC 1-Phase 60 Hz	5.1 Amps	15 Amps	50° F – 90° F	70 Lbs/Day @ 80°F and 60% RH	MERV-11 9" X 11" X 1"	3/4" Female NPT	R410A	12" Wide X 12.75" High X 22.5" Long	150 CFM @ 0.0" WG

Typical Installation for a 75-100' Boat



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Dehumidifier systems and air distribution components are not to scale, and are enlarged for presentation only.



Dry air supply



Humid air return

“It took away my watery eyes and runny nose, I was amazed. I am very pleased with the high-quality installation, performance and benefits of the RiteAire Marine™ Dehumidifier and would recommend it to any big boat owner.”

— Captain Mike Hunter, Princess Lily, Viking 66

“In addition to solving the wetness and odor problem, the RiteAire Marine™ system will save my owners a lot of time and money and keep their yachts in better condition.”

— Captain Pat Young, Viking 74