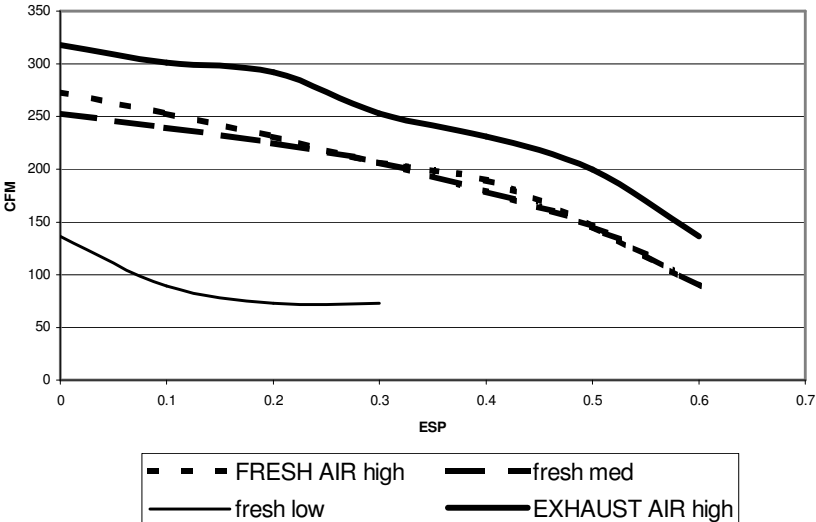


# NU-AIR

VENTILATION SYSTEMS INC.  
MANUFACTURER OF HEAT AND ENERGY RECOVERY VENTILATORS

## NU305 PRODUCT INFORMATION SHEET

NU305



**CABINET:** The case is constructed of 14 ga aluminum with a white enamel finish. The cabinet is fully insulated with 1" foil faced fiberglass insulation.

**HEAT EXCHANGER CORE:** The core is polypropylene with optional enthalpy core.

**BLOWERS:** Two forward curve, dual inlet impellers using permanently sealed bearings.

**DEFROST METHOD:**

*Damper Defrost* - Outdoor air temperature is continuously monitored. When below freezing, a timed defrost cycle is activated. A damper closes the fresh air from outside port and opens a fifth port which brings warm air through the core for a predefined time cycle. Following this the HRV runs normally for 36 minutes. The cycle is repeated until the outdoor air rises above 0 °C (32 °F).

*Fan shut down defrost* - Outdoor air temperature is continuously monitored. When below freezing, a timed defrost cycle is activated. The supply fan shuts down for a predefined time cycle while the exhaust fan continues to move warm air through the core. Following this the HRV runs normally for 20 minutes. The cycle is repeated until the outdoor air rises above 0 °C (32 °F).

**ADDITIONAL FEATURES:**

- Microprocessor based fuzzy logic
- Optional internal dehumidistat
- 24 V connection for remote 20 minute timer (Max. 6), continuous/intermittent/off switching, remote dehumidistat
- Built in furnace interlock relay commands furnace blower when HRV is on
- Selectable Arctic Defrost Mode for -30°C (-22°F) and colder
- Low speed adjustment range approximately 40-70% of high speed
- 24V circuit protection with self resetting fuse
- Drain and hanger kit included
- Polyester air filters included

AIR FLOW	292 cfm @ 0.2 in. w.c. 137 l/s @ 100 Pa
DUCT SIZE	8 in. dia 203 mm
CORE SIZE (L x W x D)	14 x 14 x 14 in. 356 x 356 x 356 mm
CABINET SIZE (L x H x D)	36 x 23 x 17 in. 914 x 584 x 432 mm
WATTS	170
VOLTS	115
TEMPERATURE EFFECTIVENESS	70 %

**WARRANTY:** Subject to applicable consumer protection legislation Nu-Air Ventilation Systems Inc. warrants that the unit will be free from defective materials and workmanship for a period of two (2) years provided installation is in accordance with the instructions, 15 year warranty on plastic cores, and one year for enthalpy.

Note: Nu-Air reserves the right to change specifications without notice.