



DESCRIPTION

MICRA 150 is a single-room heat recovery unit designed to provide the ideal ventilation solution for residential and commercial premises. Most frequently used in bedrooms, living rooms, offices as well as apartments and small commercial places.

No need to connect to air ducts.

MICRA 150 delivers simple and efficient ventilation solution for any new or existing buildings.

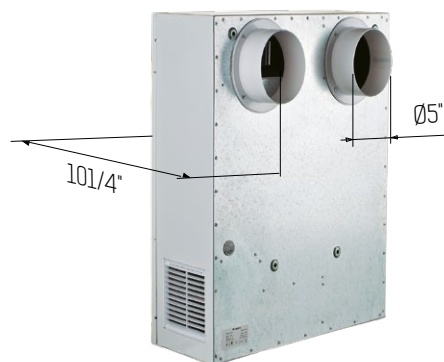
CASING

Metal polymer coated casing. 3/8" foamed synthetic rubber layer provides heat and sound insulation. The modern design matches any interior. The front panel opens with tools not necessary for easy access to servicing. The unit is fitted with a safety switch that cuts the power supply off when the panel is opened. Air is supplied to the unit and exhausted from the premise through two Ø5" air ducts.

AIR FILTRATION

Supply airflow is channeled through a MERV 7 filter to provide a healthier indoor environment. MERV 5 filter protects the core from household contaminants such as dust as the air is exhausted outside.

DIMENSIONS



MOTOR

High-efficient EC motors with external rotor and forward curved blades are designed for air supply and exhaust. The fan motors have built-in overheating protection and ball bearings for longer service life. Due to EC technologies Micra 150 is featured with low energy demand and reliable operation.

HEAT RECOVERY CORE

The unit incorporates a high-tech plate counter-flow polystyrene heat recovery core with a heat recovery efficiency of 85-88%. During heating season the heat exchanger utilizes the heat energy of extract air to warm up the incoming air while decreasing the operating load on the heating system. In warmer months, the supply air is cooled down by colder exhaust air.

CONTROL UNIT

The unit is equipped with a built-in LCD control panel and supplied with a remote control. Features three operation modes

- 1 speed – air capacity 35 CFM;
- 2 speed – air capacity 53 CFM;
- 3 speed – air capacity 71 CFM.

SUITABLE FOR:

Bathroom / kitchen / apartments / cottages / small offices.

PERFORMANCE

Model	MICRA 150		
Ventilation mode	1	2	3
Voltage	120 V / 60 Hz		
Maximum fan power [W]	8	27	51
Unit max. current without heating [A]	0.7		
Air capacity [CFM]	35	53	71
RPM [min ⁻¹]	450	780	2000
Noise level at 3 m distance [Sones]	1	1.3	1.8
Sensible recovery efficiency (SRE) [%]	88	87	85
Maximum transported air temperature [°F]	-13...+122		
Pipe diameter [inch]	5"		
Heat insulation thickness [inch]	3/8"		
Filter: extract	MERV 5		
Filter: intake	MERV 7		
Replacement filter kit	SF Micra 150		
Weight [lb]	44.09		

MODEL	QUANTITY	COMMENTS	PROJECT
			location:
			architect:
			engineer:
			contractor:
			submitted by: