



# MICRA 150

**PRODUCT  
SPECIFICATIONS**

**TECHNICAL  
DATA**

**SINGLE ROOM HRV UNITS**



## DESCRIPTION

MICRA 150 is a single-room heat recovery unit. It is designed to provide the ideal single-room ventilation of social and commercial premises, flats and cottages. MICRA 150 is the most suitable solution for arrangement of ready-made and refurbished premises. It has easy mounting without air ducts.

Five year warranty.

## CASING

Metal polymer coated casing. 3/8" foamed synthetic rubber layer provides heat- and sound-insulation. The modern unit design let it match well with any interior type. The front panel is easily opened for the unit servicing (e.g. for filter cleaning or replacement) and fitted with a protecting opening switch that cuts power supply off if the panel is opened. Air is supplied to the unit and exhausted from the premise through two Ø5" air ducts.

## AIR FILTRATION

Supply air flow is cleaned with built-in MERV 7 filter, and exhaust flow is cleaned with built-in MERV 5 filter.

The filters serve to provide supply of fresh air free of dust and prevent the unit components from soiling.

## 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 heat exchange efficiency 85-88%. In winter period the heat exchanger utilizes heat energy of extract air to warm up intake air and decrease the operating load on the heating system. In summer period supply air is cooled down by colder intake air.

## CONTROL UNIT

The unit is equipped with a control panel. The delivery set includes a remote control panel. The control system supports the following 3 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

Tel: 888-640-0925  
513-348-3853  
Fax: 513-268-4597

Sales@ventsus.com  
VentsUS.com  
11013 Kenwood Road, Cincinnati,  
Ohio 45242





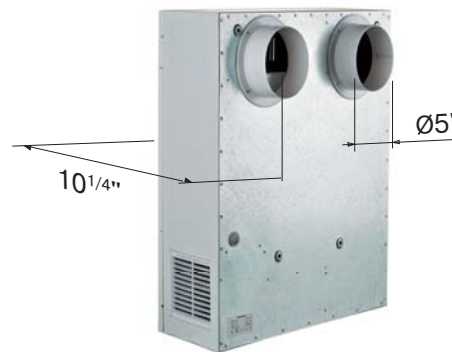
**PRODUCT SPECIFICATIONS**

**TECHNICAL DATA**

**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 <sup>-1</sup> ]	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		

**DIMENSIONS**



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

Tel: 888-640-0925  
513-348-3853  
Fax: 513-268-4597

Sales@ventsus.com  
VentsUS.com  
11013 Kenwood Road, Cincinnati,  
Ohio 45242

