

izzi V.302/402 ERV STANDARD



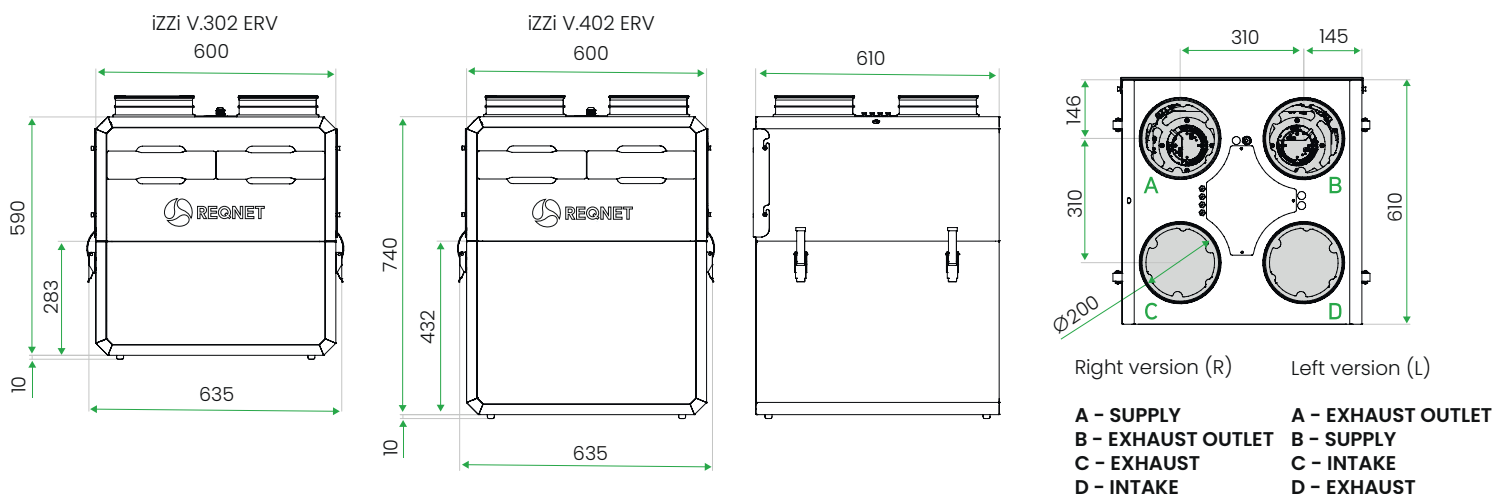
Description

izzi V.302/402 ERV STANDARD are compact units with an innovative modular design, which consist of two independent and interconnected parts - upper and lower. In the upper part, there are the main elements of the device, i.e. automation, **EC fans**, sensors and filters. In the lower suspended part, there is a **durable enthalpy exchanger** with a polymer membrane, which allows to recover, in addition to thermal energy, also moisture. The compact dimensions and well-thought-out design of izzi V.302/402 ERV STANDARD allow for easy installation on the wall, in a built-in wardrobe, above a washing machine or refrigerator.

Such an **installation can be done by one person on their own**. Izzi recuperators can be expanded with additional control elements such as a **constant flow module** or a **CO₂/hygro measurement module**.

The V series models have **connection spigots positioned vertically upwards**, which allows for wall or floor standing installation.

Dimensions



Equipment of the **izzi series** recuperators



EC fans



control panel



constant flow system (option)



built - in CO₂ and humidity sensor (option)



extensive automation



automatic by-pass 100%



universal mounting system



antimog box (option)



no condensation

Model	izzi V.302 ERV STANDARD			izzi V.402 ERV STANDARD		
Maximum air flow	300 m ³ /h at 150 Pa			400 m ³ /h at 150 Pa		
Heat recovery efficiency	up to 85%*					
Exchanger type	cross-current					
Exchanger variant	enthalpy (with moisture recovery)					
Exchanger material	plastic + polymer membrane					
Moisture recovery efficiency	up to 65%					
Maximum fan power	165 W			210 W		
Gears	I gear - 30% (90 m ³ /h at 50 Pa)	II gear - 60% (180 m ³ /h at 150 Pa)	III gear - 100% (300 m ³ /h at 50 Pa)	I gear - 30% (100 m ³ /h at 100 Pa)	II gear - 60% (250 m ³ /h at 100 Pa)	III gear - 100% (400 m ³ /h at 150 Pa)
Energy consumption	20 W	59 W	164 W	20 W	73 W	205 W
The sound power level emitted by the casing at a distance of 1 meter	dB(A)	35 dB(A)	43 dB(A)	28 dB(A)	38 dB(A)	48 dB(A)
Sound power level - nominal value	38 dB(A)			41 dB(A)		
Fans	radial Radical with DC EC motors					
Energy efficiency class	A**					
Bypass	automatic, isolated, 100% supply air bypass					
Anti-freeze system	vacuum, operating only below the temperature of -7°C					
Controller	3.2" LCD with color touch panel					
Connecting the controller to the device	Shielded cable 4x0.5*** (3 meters included)					
Filters	V.302/V.402 pleated class ePM10 ≥ 50%****/ M5*****					
Diameter of connection spigots	4 x Ø200 mm					
Condensate drain	not equipped					
Protection rating	IP 40					
Insulation class of the device	I					
Temperature measurement tolerance	+/- 2°C					
Supply voltage	230V (AC), 50Hz					
Weight (with dedicated rack)	26 kg			36 kg		
Dimensions (H x W x D)	336 x 889 x 630 mm			750 x 635 x 610 mm		

* Due to the enthalpy exchanger, izzi V.302/402 ERV recuperator does not meet the requirements of the „Clean Air 2019“ program for applications submitted before 15.05.2020.

** for a temperate climate in accordance with Directive 2009/125/EC and European Commission Regulation No. 1254/2014

*** over 10 m length recommended 4x0.75 (shielded)

**** according to EN779

***** according to ISO 16890

Flow characteristics

