

## Recuperators

# IZZI V.302/402 ERV STANDARD



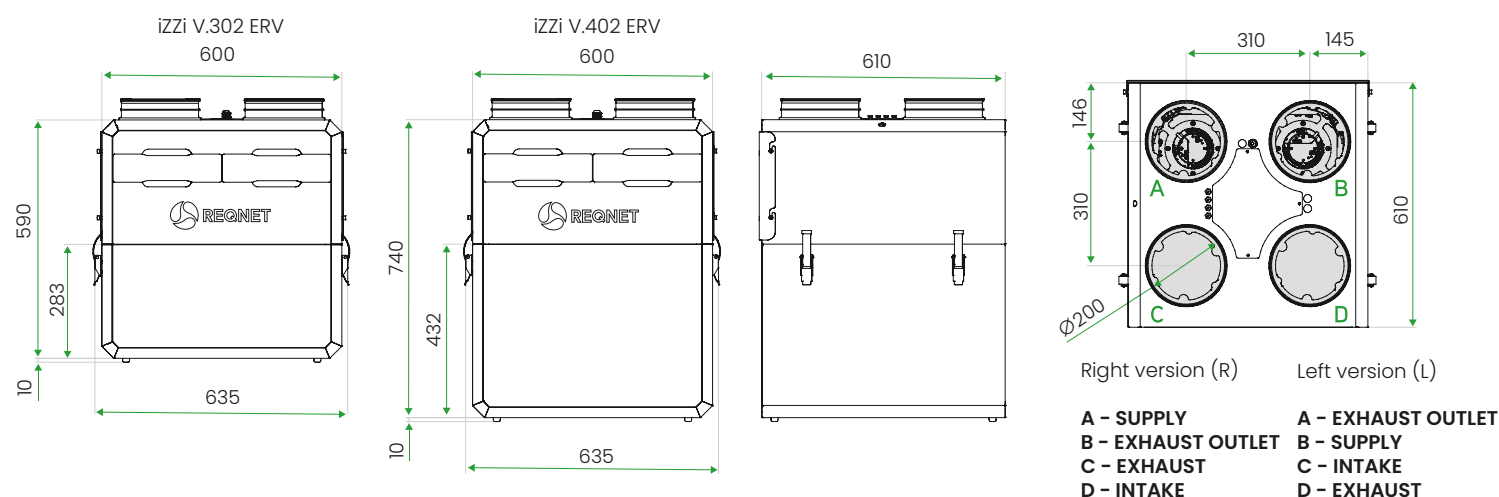
## Description

**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 **CO<sub>2</sub>/humidity 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 CO<sub>2</sub> and humidity sensor (option)



Extensive automation



Automatic by-pass 100%



Universal mounting system

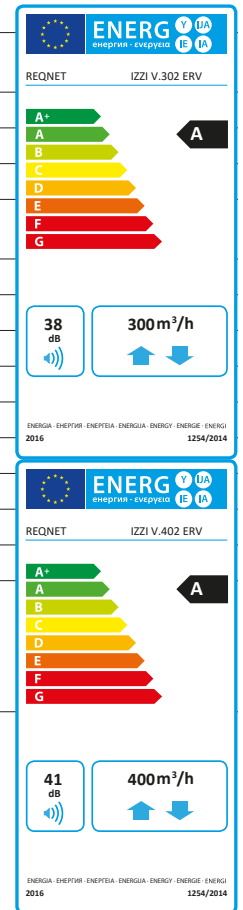


Antismog box (option)



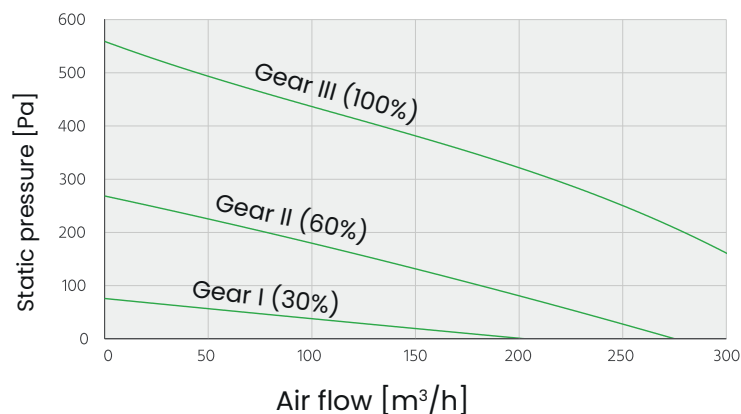
No condensation

Model	IZZI V.302 ERV STANDARD			IZZI V.402 ERV STANDARD		
Maximum air flow	300 m³/h at 150 Pa			400 m³/h at 150 Pa		
Heat recovery efficiency	up to 85%					
Exchanger type	cross-current					
Exchanger variant	ERV - enthalpy (with heat and moisture recovery)					
Exchanger material	plastic + polymer membrane					
Moisture recovery efficiency	up to 65%					
Maximum fan power	165 W			210 W		
Efficiency	I gear - 30% (90 m³/h at 50 Pa)	II gear - 60% (180 m³/h at 100 Pa)	III gear - 100% (300 m³/h at 150 Pa)	I gear - 30% (100 m³/h at 50 Pa)	II gear - 60% (250 m³/h at 100 Pa)	III gear - 100% (400 m³/h at 150 Pa)
Energy consumption	20 W	59 W	164 W	20 W	73 W	205 W
Sound power level emitted by the housing at 1 m	26 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 motor					
Energy efficiency class	A (for a temperate climate in accordance with Directive 2009/125/EC and European Commission Regulation No. 1254/2014)					
Bypass	automatic, isolated, 100% supply air bypass					
Anti-freeze system	vacuum, operating only below the temperature of - 7°C					
Control	3.2" LCD controller with color touch panel					
Controller-device connection	Shielded cable 4x0.5 (3 meters included) (over 10 m length recommended 4x0.75 - shielded)					
Filters	V.302/V.402 pleated class M5 (acc to EN779) / ePM10 ≥50% (acc to ISO16890)					
Connection spigots	4 x Ø200 mm					
Condensate drain	not equipped					
IP rating	IP 40					
Insulation class	I					
Supply voltage	230V (AC), 50Hz					
Housing material	stainless + composite board					
Weight (with dedicated rack)	26 kg			36 kg		
Dimensions (H x W x D)	600 x 645 x 610 mm			750 x 645 x 610 mm		
Accessories	3.2" color touchscreen display Insulated connection spigots (EPP) 4xØ200 mm Power cable 2.8 m long Controller cable 3 m long Stainless steel mounting bracket for wall/ceiling installation					
Optional peripheral devices	Constant airflow module CO2/humidity module IZZI SF200 filter box with preheater Ventilation push button Electric duct preheater Electric duct reheater GHE damper actuator Duct cooler					

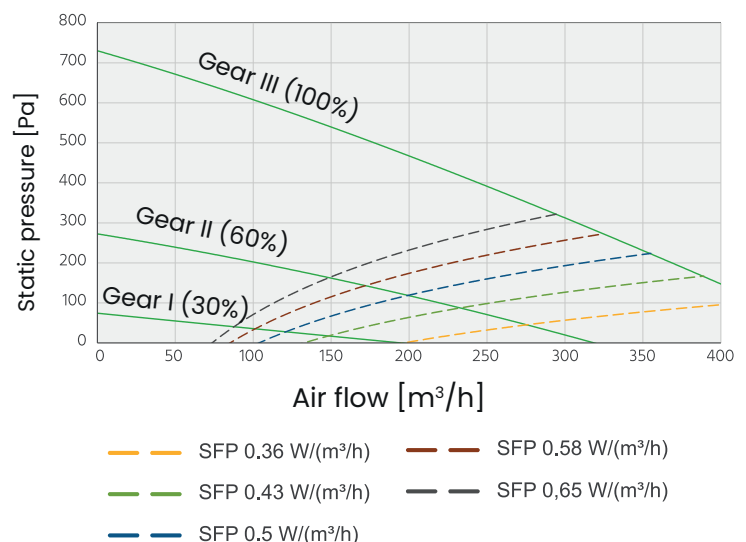


## Flow characteristics

izzi V.302 ERV



izzi V.402 ERV



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