



# FIVING®

Slovak manufacturer

30 years in the business

Inverter compressor



Ventilation units with recuperator  
and heat pump, in power versions:

2 000, 3 000, 5 000 m<sup>3</sup>/h

## VENTILATION UNITS

The Vesna type equipment primarily provides for the heating and ventilation of living and operating spaces in the winter and transition periods. Thanks to the reversible heat pump circuit, the device is also able to meet the requirement for complete air conditioning of ventilated living spaces in the summer. The device integrates all the corresponding elements for an efficient and flexible way of hot air heating, ventilation and cooling.

**HRC A-A** Heating Recuperation Cooling Air - Air

**ISE** Intelligent Smart Effectiveness

**CAQ** Controll air Quality

**CCA** Cloud Controll Anywhere

## VESNA - basic division according to use

### RECOVERY

Compact ventilation unit with heat recovery. Provides: ventilation - air quality and maintaining the temperature in the room. High operational efficiency is ensured by a high-efficiency heat exchanger.

HRC A-A

ISE

CAQ

CCA

### COMFORT

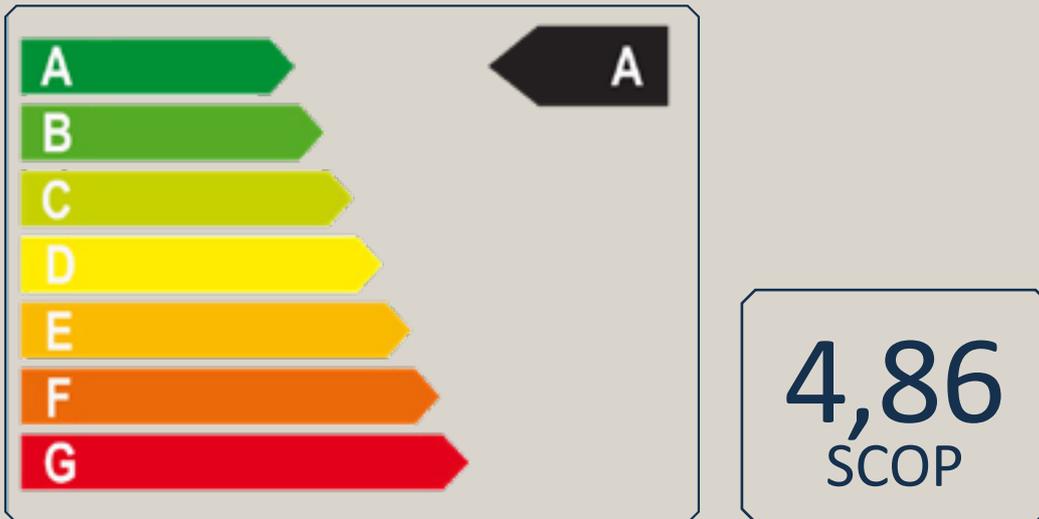
Compact ventilation unit with heat recovery and heat pump. Provides: ventilation and maintenance of temperature and air quality in the room. The high efficiency of heating and cooling air is ensured by a built-in reversible heat pump with an inverter compressor with variable power.

HRC A-A

### POOL

Compact ventilation unit with heat recovery and heat pump. Provides: ventilation and dehumidification and maintenance of temperature and humidity in the room. The built-in heat pump with a variable power inverter compressor ensures high air heating efficiency. Usage: pool halls spas, private pools, wellness ...

HRC A-A



**SCOP - Seasonal Coefficient Of Performance**

Determines the efficiency of the heat pump. Simplified, the power [kW] delivered to the heating system at a consumption (power consumption) of 1 kW by the heat pump. **SCOP 4,86 = 486 % efficiency.**



**Immediate disposal of pathogens by air disinfection. Protection from viruses, fungi, including SARS COV-2**

Vesna heat pumps are equipped with an Inverter compressor



We offer comprehensive solutions



Customer benefits: Ventilation, cooling, heating, filtration and air disinfection in operations, restaurants, offices, kitchens, wellness....





The construction of the cabinet is common to all three versions. Frame - is made of its own profiles with a divided thermal bridge. The shaped profile of the frame and steel corners ensures the rigidity and stability of the structure. The sandwich panel filled with 40 mm thick mineral wool ensures excellent thermal insulation properties and noise attenuation. Removable panels provide easy access to all parts of the device from the front. Surface treatment - outer side for all powder-coated versions. Inner side for HP C and R version - galvanized, HP P version - stainless steel sheet.

	<b>VESNA R - RECOVERY</b>	<b>2 000</b>	<b>3 000</b>	<b>5 000</b>
	WIDTH	2 141 mm	2 141 mm	2 499 mm
	HEIGHT *	1 734 mm	1 938 mm	1 938 mm
	DEPTH	663 mm	816 mm	1 275 mm
	WEIGHT	470 kg	590 kg	770 kg
	<b>VESNA HP - C - COMFORT</b>	<b>2 000</b>	<b>3 000</b>	<b>5 000</b>
	WIDTH	2 141 mm	2 141 mm	2 499 mm
	HEIGHT *	1 734 mm	1 938 mm	1 938 mm
	DEPTH	663 mm	816 mm	1 275 mm
	WEIGHT	540 kg	670 kg	870 kg
	<b>VESNA HP - P - POOL</b>	<b>2 000</b>	<b>3 000</b>	<b>5 000</b>
	WIDTH	2 141 mm	2 141 mm	2 499 mm
	HEIGHT *	1 734 mm	1 938 mm	1 938 mm
	DEPTH	663 mm	816 mm	1 275 mm
	WEIGHT	540 kg	670 kg	870 kg

\* Height of the device without base feet and connecting expansion sleeves

## Vesna R- Recovery

Compact ventilation unit with heat recovery. Provides: Ventilation - air quality and maintaining the temperature in the room. High operational efficiency is ensured by a high-efficiency heat exchanger. Usage: offices, restaurants, shops, fitness, changing rooms, kitchens...

Parameters	2 000	3 000	5 000
Nominal air output	2 000 m <sup>3</sup> /h	1 500 - 3 000 m <sup>3</sup> /h	5 000 m <sup>3</sup> /h
Nominal work output	1 000 - 2 000 m <sup>3</sup> /h	1 500 - 3 000 m <sup>3</sup> /h	2 500 - 5 000 m <sup>3</sup> /h
Nominal external pressure (reserve)	250 (80) Pa	250 (400) Pa	250 (200) Pa
Plate heat exchanger efficiency (dry)	80,7 %	82,9 %	82 %
Heat gain of the recuperator	21,6 kW	33 kW	54,6 kW
Electical input <sup>1</sup>	1,4 kW	1,9 kW	3,6 kW
Variant with electric heating - power by EH <sup>2</sup>	9 kW	9 kW	14 kW

## Vesna HP - C - Comfort

Compact ventilation unit with heat recovery and heat pump. Provides: Ventilation, dehumidification and maintenance of temperature and air quality in the room. High efficiency of heating and cooling of air is ensured by a built-in reversing pump with an inverter compressor with variable power. Usage: offices, restaurants, shops, fitness, changing rooms, kitchens...

Parameters	2 000	3 000	5 000
Nominal air output	2 000 m <sup>3</sup> /h	3 000 m <sup>3</sup> /h	5 000 m <sup>3</sup> /h
Working range of air output	1 000 - 2 000 m <sup>3</sup> /h	1 500 - 3 000 m <sup>3</sup> /h	2 500 - 5 000 m <sup>3</sup> /h
Nominal external pressure (reserve)	250 (150) Pa	250 (400) Pa	250 (250) Pa
Cooling capacity A32	7,2 kW / 8,8 kW	10,9 kW / 13,2 kW	18,2 kW / 22,0 kW
Heating output Heat pump A2 / 22	7,6 kW	11,5 kW	15,7 kW
Heating output Heat pump A-7/22	11,5 kW	13,5 kW	22,0 kW
Electrical input when heated with a heat pump	3,7 kW	5,2 kW	6,6 kW
Variant with electric heating - EO <sup>2</sup> output	9 kW	9 kW	9 kW

## Vesna HP - P - Pool

Compact ventilation unit with heat recovery and heat pump. Provides: Ventilation, dehumidification and maintenance of room temperature and humidity. The built-in pump with an inverter compressor with variable power ensures high air heating efficiency. Usage: pool halls, spas, private pools, wellness...

Parameters	2 000	3 000	5 000
Nominal air output	2 000 m <sup>3</sup> /h	3 000 m <sup>3</sup> /h	5 000 m <sup>3</sup> /h
Nominal external pressure (reserve)	250 (150) Pa	250 (400) Pa	250 (250) Pa
Dehumidification performance <sup>4</sup>	7,3 kg/h	10,9 kg/h	18,3 kg/h
Dehumidification performance <sup>5</sup>	12,9 kg/h	19,4 kg/h	33,2 kg/h
Heating output Heat pump A-15/30	11,5 kW	13,5 kW	22,0 kW
Electrical input when heated with a heat pump <sup>1</sup>	3,7 kW	5,2 kW	6,6 kW
Variant with electric heating - EO performance <sup>2</sup>	9 kW	9 kW	14 kW

(1) Power consumption without electric heating

(2) Add the electric heating input to the nominal input

(4) At outdoor temperature + 5 °C, 85% rH and indoor temperature 30 °C, 54% rH at 30% outdoor air

(5) at an outside temperature of + 32 °C, 38% rH and an inside temperature of 32 °C, 54% rH at 100% outside air



We offer comprehensive solutions

FIVING is a manufacturing company that, since its inception in 1992, has been engaged in the development, production, installation and servicing of its own ventilation and air conditioning equipment. The company currently employs more than 70 employees. The total area of the production area occupies the area of the football stadium. FIVING places great emphasis on the quality of its products and services and for this reason has an ISO 9001 quality management system and ISO 14001 environmental management in place.

FIVING offers solutions in the field of air conditioning, technological cooling, heating, measurement and regulation of heating, ventilation for various types of buildings in the industrial and residential spheres. We offer comprehensive and efficient solutions aimed at reducing operating costs and maximum efficiency and effectiveness of the designed systems.

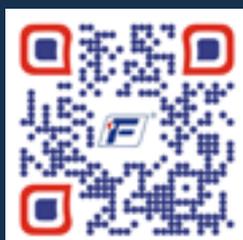




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