

**MAKE UP AIR HANDLING UNITS WITH CROSS
FLOW HIGH EFFICIENCY HEAT RECOVERY**

HERU Series

Nominal air flows from 400 to 4.500m³/h



ErP
COMPLIANT

The heat recovery units of the HERU series are the complete and industrialized solution designed to provide a single system suitable for the renewal and purification of the air, of light commercial buildings, offices, hotels, commercial surfaces and in general medium and high crowded places of medium size so-called "light commercial".

The units of the HERU series are the innovative solution that meets the needs of modern buildings to obtain the best energy efficiency classes dictated by the European directive EPBD (current directive 2018/844/UE previously identified as 2010/31/UE: EPBD - Energy Performance Building Directive) fully embracing the principle of the "Smart Readiness Indicator" and can allow a wide use of renewable energy sources as expressed by the European directive RES (current directive 2018/2001/EU of the European parliament and of the council of 11 December 2018 on the promotion of the use of energy from renewable sources previously identified as Directive 2009/28/EU of the European Parliament and of the Council of 23 April 2009).

Air flows range

Size	HERU 400	HERU 700	HERU 1000	HERU 1500	HERU 2000	HERU 2500	HERU 3500	HERU 4500
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Fan sections

Type of fans		Brushless motors with variable speed drive integrated							
Number of fans	Nr	2							
Nominal Air Flow	m ³ /h	400	650	950	1300	1800	2500	3500	4500
Available Static Pressure	Pa	140	80	140	200	160	255	120	120
Unit Noise Levels									
Sound Power Level Lw (EN3747)	dB (A)	60.5	62.1	65.9	66.8	70.6	71.9	75.2	77.3
Sound Pressure Levels Lp at 3 m (EN3744)	dB (A)	39.2	40.8	43.9	45.1	47,7	48.9	52.5	54.1
Noise levels at the duct									
Sound Power Level Lw (EN3747)	dB (A)	69.1	71.8	77.3	77.9	82,1	86.2	86.5	87.4

Filters

Side	Fresh Air	Exh. Air
Filtration Class	ePM 1 - 70 % (F7)	ePM 10 - 50 % (M5)

Electrical data

Electric input		230 V / 1 / 50Hz					400 V / 3+N / 50Hz		
Max Electric Input	W	2 X 100	2 X 145	2 X 305	2 X 305	2 X 270	2 X 990	2 X 1100	2 X 1100
IP Protection		IP 20	IP 20	IP 20	IP 20	IP20	IP 20	IP 20	IP 20

NOTES:

Data refer to nominal values declared by the fan manufacturer

The units must be connected to the distribution air ducts

The performances have been verified with low pressure drop filters supplied "clean"