



# ENERG

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NIBE

ERS 10-500



48

dB



410 m<sup>3</sup>/h



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## Technical Product Fiche

Suppliers name	NIBE
Model identification	ERS 10-500
Specific energy consumption SEC kWh/(m <sup>2</sup> *a) for: cold, average, warm climates	SECcold: -71,47 ; SECaverage : -34,03 ; SECwarm: -9,95
RVU/NRVU/Unidirectional / Bidirectional	RVU - Bidirectional
Type of drive installed	EC motor with 0-100 % modulation range
Type of heat recovery (recuperative, regenerative, non)	Recuperative
Thermal efficiency of heat recovery %	86
Maximum airflow (m <sup>3</sup> /h)	410
Electric Power input of fan drive at maximum airflow - W	255
Sound Power level Lwa at reference airflow (dB(A))	48
Reference airflow rate (m <sup>3</sup> /s)	0,0797
Reference pressure difference (min. 50Pa) – (Pa)	50
Specific power input at reference airflow – SEL/SPI (W/ m <sup>3</sup> /h)	0,36
Control factor	0,95
Declared maximum internal and external leakage rates (%)	Internal: 2,2% ; External: 1,3%
Mixing rate of non ducted bidirectional ventilation units	Not applicable
Position and description of visual filter warning	After a specific time the display will tell that it is time to clean the filters or replace them with new ones.
Instructions for installing supply/exhaust grilles i facade for unidirectional devices	Not applicable
Internet adress for pre-/disassembly instructions	<a href="http://www.nibe.eu">www.nibe.eu</a> (manual)
Sensitivity for pressure variation for units without ducts + and - 20Pa	Not applicable
For non ducted units - the indoor/outdoor air tightness in (m <sup>3</sup> /h)	Not applicable
The annual electricity consumption AEC per 100 m <sup>2</sup> (kWh electricity /a) for climates : Average, Warm, Cold	AECcold=993 ; AECaverage=456 ; AECwarm=411
The annual heating saved AHS in primary energy (kWh prim/a) per 100 m <sup>2</sup> for climates : Average, Warm, Cold	AHScold=8758 ; AHSaverage=4477 AHSwarm=2024