

Enave-C 100 P A14



Heat recovery air handling units in sound- and heat-insulated casings

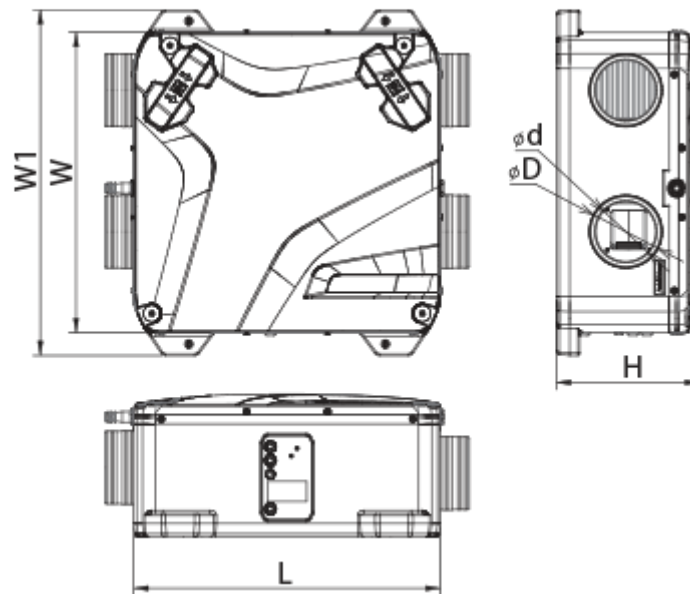
- Maximum airflow: 130
- Sound pressure level LpA at 3 m: 32
- Heat exchanger type: Counter flow
- Extract filter: G4 / Coarse >60%
- Supply filter: G4 / Coarse >60% (option F7 / ePM1 60%)
- Sound insulation
- Motor type: EC
- Control: Remote Control
- Casing material: EPP
- Humidity sensor: Optional
- CO2 sensor: Optional

	Unit of measurement	Enave-C 100 P A14
Connected air duct size	mm	100/125
Speed	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	38
Unit current	A	0.34
Maximum airflow	m ³ /h	130
Sound pressure level LpA at 3 m	dB(A)	32
Heat recovery efficiency, max	%	94
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Polystyrene
Weight	kg	8
Extract filter	-	G4 / Coarse >60%
Supply filter	-	G4 / Coarse >60% (option F7 / ePM1 60%)
Transported air temperature (max)	°C	40
Transported air temperature (min)	°C	-23
Ingress protection rating	-	IP22
Ingress protection rating of the drive	-	IP44
ErP compliance	-	2016, 2018
Cold - Specific energy consumption (SEC)	kWh/(m ² /a)	81

SEC Class Cold	-	A+
Average - Specific energy consumption (SEC)	kWh/(m ² /a)	42.3
SEC Class Average	-	A+
Warm - Specific energy consumption (SEC)	kWh/(m ² /a)	17.5
SEC Class Warm	-	E
Unit category	-	RVU
Type of ventilation unit	-	Bidirectional
Type of drive installed	-	Variable speed
Type of heat recovery system	-	Recuperative
Thermal efficiency of heat recovery	%	86
Maximum flow rate	m ³ /h	90
Electric power input	W	31
Reference flow rate	m ³ /s	0.018
Reference pressure difference	Pa	50
Specific power input (SPI)	W/(m ³ /h)	0.254
Control typology	-	Local demand control
Maximum internal leakage rates	%	2.8
Maximum external leakage rates	%	3
Cold - The annual electricity consumption (AEC)	kWh/a	716
Average - The annual electricity consumption (AEC)	kWh/a	179
Warm - Jährlicher Stromverbrauch (JSV)	kWh/a	134
Cold - The annual heating saved (AHS)	kWh/a	9019
The annual heating saved (AHS) Average	kWh/a	4610
The annual heating saved (AHS) Warm	kWh/a	2085
Declared typology	-	RVU BVU
Sound power level	dB(A)	45



Dimensions

ØD	Ød	H	W	L	W1	B
125	104	247	522	530	600	630







Accessories

Other accessories


Name	Photo	Description
SF 176x160x22 G4		Panel filter G4
SF 176x160x22 F7		F7 panel filter

Sensors


Name	Photo	Description
CO2-1		CO2 sensors
CO2-2		CO2 sensors
HR-S		Electro-mechanical humidistats
HV2		Humidity sensor

Condensation drainage


Name	Photo	Description
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SH-32		The hydraulic U-trap for condensate drainage from heat exchangers and coolers in ventilation and air conditioning systems
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For round ducts

Name	Photo	Description
KRV 125		Air damper for air flow cut-off in round air ducts

Electric actuators

Name	Photo	Description
Belimo LF230		The Belimo LF series actuators are designed for controlling air dampers with cross section up to 0.8 m ² performing protection functions