

Enave-CT 100 P A14



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

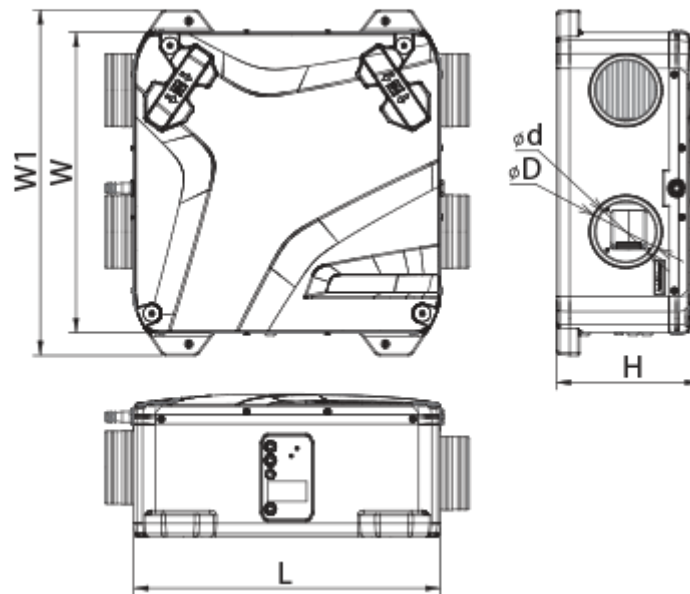
- Maximum airflow: 130
- Sound pressure level LpA at 3 m: 32
- Heat exchanger type: Counter flow
- Extract filter: G4 / Coarse >60%
- Supply filter: G4 / Coarse >60% (option F7 / ePM1 60%)
- Sound insulation
- Motor type: EC
- Enthalpy heat exchanger
- Control: Remote Control
- Casing material: EPP
-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

	Unit of measurement	Enave-CT 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	%	88
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Enthalpy
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)	78.6

SEC Class Cold	-	A+
Average - Specific energy consumption (SEC)	kWh/(m ² /a)	41.1
SEC Class Average	-	A
Warm - Specific energy consumption (SEC)	kWh/(m ² /a)	16.9
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	%	80
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	8776
The annual heating saved (AHS) Average	kWh/a	4486
The annual heating saved (AHS) Warm	kWh/a	2029
Sound power level	dB(A)	45
Declared typology	-	RVU BVU



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

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