

# VUT 300-2 E2V EC



Air handling units with heat recovery for cold climate

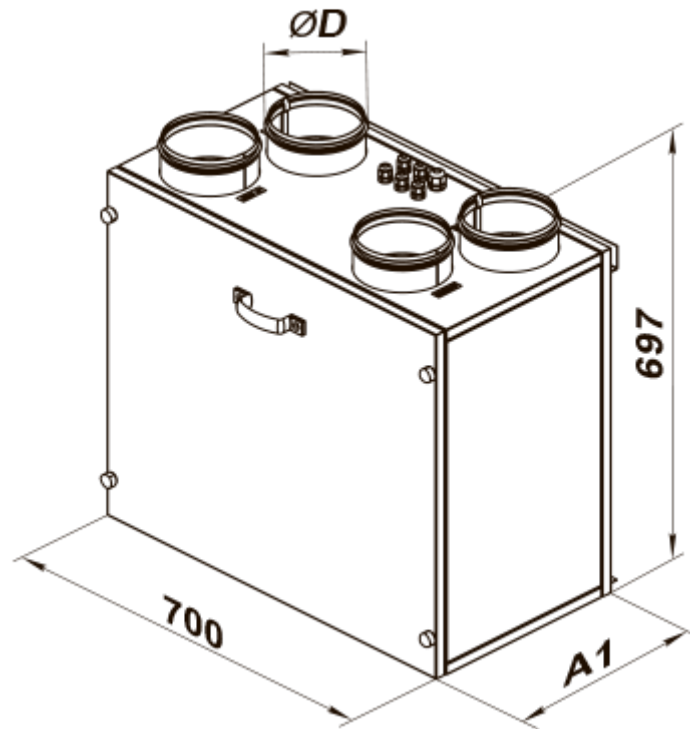
- Power of electrical reheater: 4000
- Maximum airflow: 300
- Sound pressure level LpA at 3 m: 37
- Heat exchanger type: Counter flow
- Extract filter: G4
- Supply filter: G4 (F7 опция), G4 (F7 option)
- Motor type: EC
- Reheater: Electric
- Control: Remote Control
- Casing material: Aluzinc

	Unit of measurement	VUT 300-2 E2V EC
Connected air duct size	mm	160
Phases	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50
Rated power	W	212
Power of electrical reheater	W	4000
Unit current	A	18.8
Maximum airflow	m <sup>3</sup> /h	300
Sound pressure level LpA at 3 m	dB(A)	37
Heat recovery efficiency, max	%	95
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Polystyrene
Weight	kg	38
Extract filter	-	G4
Supply filter	-	G4 (F7 опция), G4 (F7 option)
Transported air temperature (max)	°C	60
Transported air temperature (min)	°C	-39
Ambient air temperature min	°C	1
Ambient air temperature max	°C	40
Ambient air humidity max	%	80

Ingress protection rating	-	IP22
Ingress protection rating of the drive	-	IP44
ErP compliance	-	2016, 2018
Cold - Specific energy consumption (SEC)	kWh/(m <sup>2</sup> /a)	78.6
SEC Class Cold	-	A+
Average - Specific energy consumption (SEC)	kWh/(m <sup>2</sup> /a)	39.3
SEC Class Average	-	A
Warm - Specific energy consumption (SEC)	kWh/(m <sup>2</sup> /a)	14.1
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	%	89
Maximum flow rate	m <sup>3</sup> /h	270
Electric power input	W	205
Reference flow rate	m <sup>3</sup> /s	0.053
Reference pressure difference	Pa	50
Specific power input (SPI)	W/(m <sup>3</sup> /h)	0.529
Control typology	-	Local demand control
Maximum internal leakage rates	%	2.7
Maximum external leakage rates	%	2.7
Cold - The annual electricity consumption (AEC)	kWh/a	862
Average - The annual electricity consumption (AEC)	kWh/a	325
Warm - Jährlicher Stromverbrauch (JSV)	kWh/a	280
Cold - The annual heating saved (AHS)	kWh/a	9141
The annual heating saved (AHS) Average	kWh/a	4673
The annual heating saved (AHS) Warm	kWh/a	2113
Sound power level	dB(A)	57
Declared typology	-	RVU BVU







## Dimensions

ØD	A1
160	403





## Accessories

### For round ducts



Name	Photo	Description
<a href="#">SR 160/600</a>		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems
<a href="#">SR 160/900</a>		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems
<a href="#">SR 160/1200</a>		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems
<a href="#">SRF 160/600</a>		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems
<a href="#">SRF 160/900</a>		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems
<a href="#">SRF 160/2000</a>		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems

### For round ducts





Name	Photo	Description
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<a href="#">KOM 160</a>		Spring-loaded backdraft damper for round ducts
<a href="#">KOMu 160</a>		Spring-loaded backdraft damper for round ducts


### Sensors

Name	Photo	Description
<a href="#">CO2-1</a>		CO2 sensors
<a href="#">CO2-2</a>		CO2 sensors

### Electric actuators

Name	Photo	Description
<a href="#">Belimo LF24</a>		The Belimo LF series actuators are designed for controlling air dampers with cross section up to 0.8 m <sup>2</sup> performing protection functions
<a href="#">Belimo LF230</a>		The Belimo LF series actuators are designed for controlling air dampers with cross section up to 0.8 m <sup>2</sup> performing protection functions
<a href="#">Belimo TF24</a>		The actuators are designed for controlling air dampers with cross section up to 0.4 m <sup>2</sup> performing protection functions
<a href="#">Belimo TF230</a>		The actuators are designed for controlling air dampers with cross section up to 0.4 m <sup>2</sup> performing protection functions

### Other accessories

Name	Photo	Description
<a href="#">C 160</a>		The clamps are designed for quick and reliable mounting and connection of various round ventilation system components. Clamps are made of stainless and galvanized steel band