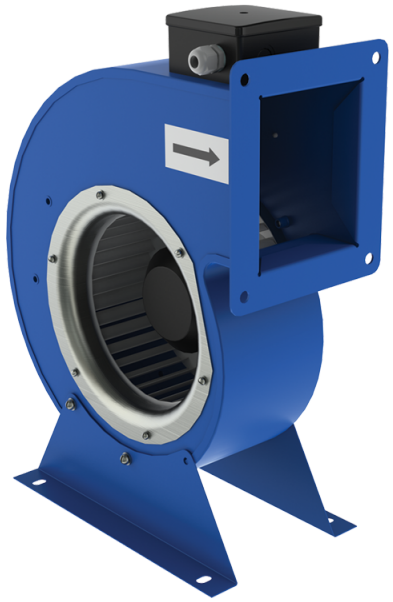
VCU 2E 140x60



Scroll-type single-inlet centrifugal fans powered by external rotor motor

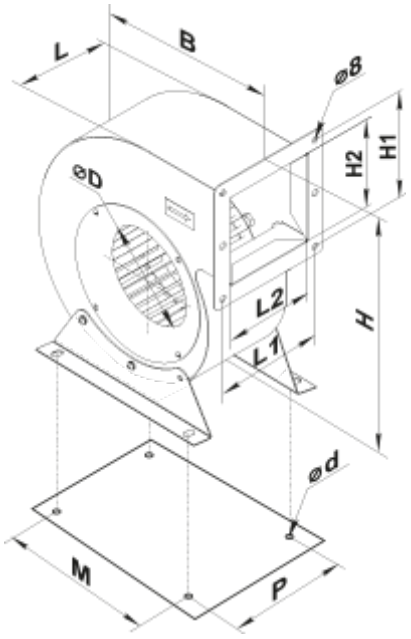
- Maximum airflow: 515
- Sound pressure level LpA at 3 m: 68
- Motor type: AC
- Impeller type: Centrifugal forward curved blades
- Casing material: Coated steel

	Unit of measurement	VCU 2E 140x60
Speed	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50
Rated power	W	148
Unit current	A	0.64
Maximum airflow	m^3/h	515
Sound pressure level LpA at 3 m	dB(A)	68
Weight	kg	3.7
Transported air temperature (max)	°C	45
Transported air temperature (min)	°C	-25
Ingress protection rating	-	IPX4
Ingress protection rating of the drive	-	IP44
ErP compliance	-	2016, 2018
Cold - Specific energy consumption (SEC)	$kWh/(m^2/a)$	52.4
SEC Class Cold	-	A+
Average - Specific energy consumption (SEC)	$kWh/(m^2/a)$	25.3
SEC Class Average	-	C
Warm - Specific energy consumption (SEC)	$kWh/(m^2/a)$	9.8
SEC Class Warm	-	F
Unit category	-	RVU

Type of ventilation unit	-	Unidirectional
Type of drive installed	-	Variable speed
Type of heat recovery system	-	None
Maximum flow rate	m^3/h	520
Electric power input	W	148
Reference flow rate	m^3/s	0.101
Reference pressure difference	Pa	50
Specific power input (SPI)	$W/(m^3/h)$	0.224
Control typology	-	Local demand control
Maximum external leakage rates	%	2.7
Cold - The annual electricity consumption (AEC)	kWh/a	118
Average - The annual electricity consumption (AEC)	kWh/a	118
Warm - Jährlicher Stromverbrauch (JSV)	kWh/a	118
Cold - The annual heating saved (AHS)	kWh/a	5536
The annual heating saved (AHS) Average	kWh/a	2830
The annual heating saved (AHS) Warm	kWh/a	1280
Declared typology	-	RVU UVU
Sound power level	dB(A)	68

Dimensions

ØD	B	H	H1	H2	L	L1	L2	P	M	d
140	243	287	125	92.5	86	110	78.4	116	150	9



Accessories

Speed controllers

Name	Photo	Description
RS-2 N		Speed controller
RS-1,5 V		Speed controller
RS-1,5 N		Speed controller
RS-1 V		Speed controller
RS-1 N		Speed controller
RS-1-400		Speed controller
RS-1-300		Speed controller
RS-2 V		Speed controller
RS-2,5 N		Speed controller
RS-2,5 V		Speed controller
RS-1,5-PS		Used in ventilation systems for switching on/off and speed control of single-phase fan motors with voltage control
RS-2,5-PS		Used in ventilation systems for switching on/off and speed control of single-phase fan motors with voltage control
RS-4,0-PS		Used in ventilation systems for switching on/off and speed control of single-phase fan motors with voltage control
RS-3,0-T		Applied in ventilation systems for speed switching ON/OFF and speed control of single-phase power-controlled motors

RS-5,0-T		Applied in ventilation systems for speed switching ON/OFF and speed control of single-phase power-controlled motors
RS-3,0-TA		Applied in ventilation systems for switching ON/OFF and speed controlling of single-phase power-controlled motors
RS-5,0-TA		Applied in ventilation systems for switching ON/OFF and speed controlling of single-phase power-controlled motors
RSA5E-2-P		Speed control enables not only selecting the comfortable ventilation mode for the periodically visited premises but reducing the energy consumption for the ventilation
RSA5E-2-M		Speed controls enables not only selecting the comfortable ventilation mode for the periodically visited premises but reducing the energy consumption for the ventilation
RSA5E-3-M		Speed controls enables not only selecting the comfortable ventilation mode for the periodically visited premises but reducing the energy consumption for the ventilation
RSA5E-4-M		Speed controls enables not only selecting the comfortable ventilation mode for the periodically visited premises but reducing the energy consumption for the ventilation
RSA5E-3,5-T		Speed controllers are applied for air flow control of single phase fans by means of motor step speed control
RSA5E-5,0-T		Speed controllers are applied for air flow control of single phase fans by means of motor step speed control

Temperature regulators

Name	Photo	Description
RT-10		Temperature regulator

Sensors

Name	Photo	Description
T-1,5 N		Sensor
TH-1,5 N		Sensor
TF-1,5 N		Sensor

TP-1,5 N		Sensor