

# VSVI EKO

**NEW!**



Roof fans

Tourelles

Dachventilatoren

Крышные вентиляторы



Roof fans with vertical discharge are used to extract air from different premises. Motorised impeller is protected with a meshwork grille which protects from external objects that could cause mechanical damage to the impeller. Not suitable for polluted air, aggressive and explosive gases.

Plastic impeller with backward curved blades.

Efficient and low-noise EC fans.

VSVI EKO sound insulation: stone wool, 50 mm thickness.

Motor: external rotor, motor protection with built-in thermal contact, maintenance free ball bearings.

Housing: made of galvanized steel. Optionaly can be made of aluminium.



Dachventilatoren werden für Abluft aus dem Raum verwendet. Laufrad ist mit Schutzgitter abgedeckt, der es vor Gegenständen schützt, die aus der Umgebung gelangen und das Laufrad mechanisch beschädigen können. Nicht geeignet für die Beförderung von verschmutzter Luft, aggressiven, explosiven Gasen.

Laufrad ist rückwärts gekrümmt, aus Kunststoff.

Sehr leise und sparsame EC - Ventilatoren.

VSVI EKO Schalldämmung: Steinwolle, 50mm stark.

Der Motor: Außenrotor, Direktantrieb, Motorschutz durch integriertem Thermokontakt, dauerhafte, keine Pflege erfordernde Lager.

Das Gehäuse aus verzinktem Blech. Auf Anfrage sind ebenso Ausführungen aus Aluminium verfügbar.



Tourelles utilisées pour l'extraction de l'air vicié du local. Turbine recouverte par des grilles la protégeant des objets étrangers pouvant provenir des alentours et endommager la turbine de manière mécanique. Le produit n'est pas adapté au transport d'air fortement pollué, de gaz agressifs ou explosifs.

Turbine : pales incurvées vers l'arrière, plastique.

Ventilateurs EC efficaces et silencieux.

Isolation acoustique en laine de roche : parois de 50 mm.

Moteur : rotor extérieur, entraînement direct, protection moteur intégrée par thermocontact, roulements à longue durée de vie et ne nécessitant pas d'entretien.

Enveloppe : tôle d'acier galvanisée. Si besoin, en aluminium.



Крышные вентиляторы для вытяжки воздуха из помещений. Крыльчатка закрыта сетчатой решёткой, защищающей её от попадающих извне посторонних предметов, способных механически повредить крыльчатку. Не используются при транспортировке загрязнённого воздуха, агрессивных, взрывоопасных газов.

Крыльчатка: загнутые назад лопатки, сделано из пластика.

Экономные и бесшумные ЕС вентиляторы.

VSVI EKO звукоизоляция: каменная вата, толщиной 50 мм.

Двигатель: наружный ротор, прямая передача, встроенные термоконтакты двигателя, не требующие ухода подшипники с длительным сроком службы.

Корпус: оцинкованной жести. Может быть изготовлено и из алюминия.

## Accessories

0-10V speed controller



Roof curb



Roof curb



Flange-adaptor



Flexible connection

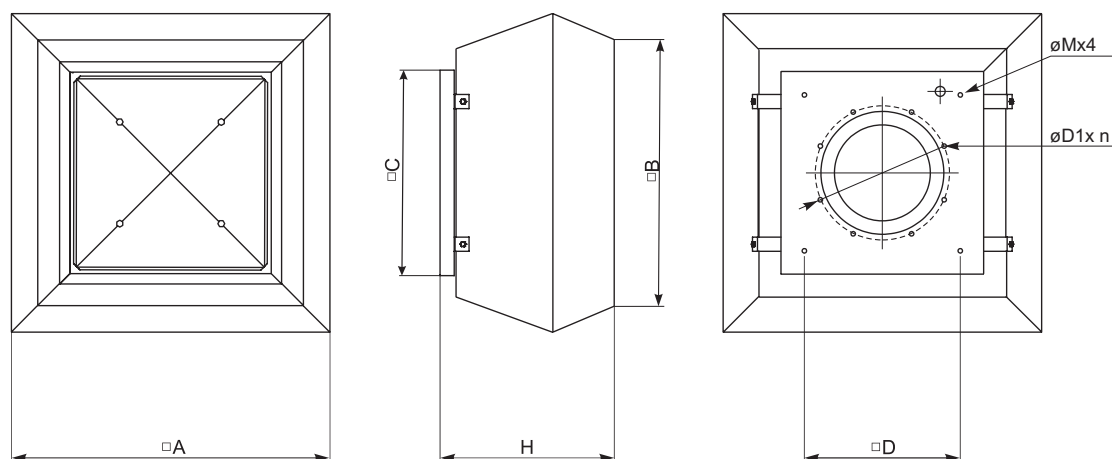


Back draft shutter



Main switch

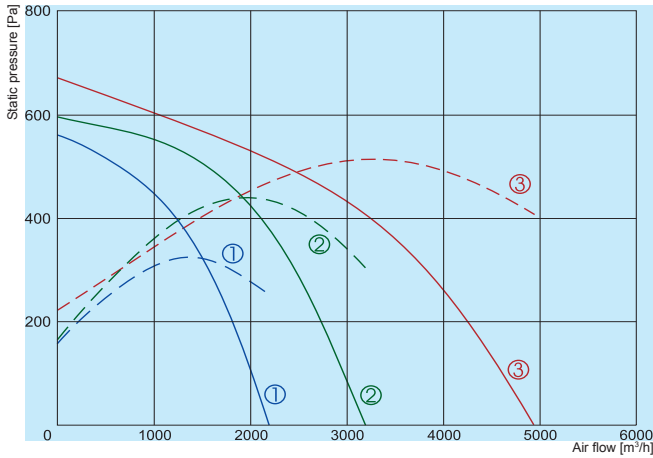




Type	Dimensions [mm]							
	□A [mm]	□B [mm]	□C [mm]	□H [mm]	∅M [mm]	□D [mm]	∅D1	n
VSVI 311 EKO	675	567	435	370	M6	330	285	6
VSVI 355 EKO	844	716	595	420	M10	450	438	6
VSVI 400 EKO	844	716	595	420	M10	450	438	6
VSVI 450 EKO	966	817	665	488	M10	535	438	6
VSVI 500 EKO	966	817	665	488	M10	535	438	6
VSVI 560 EKO	1265	1033	939	611	M10	750	605	8
VSVI 630 EKO	1265	1033	939	611	M10	750	605	8

Type	Accessories					
	MTP010	KS	KSP	FSV	LSV	ATS
VSVI 311 EKO	+	311	311	311	311	311
VSVI 355 EKO	+	355/400	355/400	355-500	355/500	355/500
VSVI 400 EKO	+	355/400	355/400	355-500	355/500	355/500
VSVI 450 EKO	+	450/500	450/500	355-500	355/500	355/500
VSVI 500 EKO	+	450/500	450/500	355-500	355/500	355/500
VSVI 560 EKO	+	560/630	560/630	560-630	560/630	560/630
VSVI 630 EKO	+	560/630	560/630	560-630	560/630	560/630

# VSVI EKO



**NEW!**

- ① — VSVI 311 L1 EKO
  - ② — VSVI 355 L1 EKO
  - ③ — VSVI 400 L1 EKO
- Performance  
- - - Power consumption

		311 L1 EKO	355 L1 EKO	400 L1 EKO
Voltage/Frequency	[V/Hz]	230/50	230/50	230/50
Power consumption	[kW]	0,323	0,445	0,772
Current	[A]	1,51	2,03	3,5
Speed	[min <sup>-1</sup> ]	2270	1590	1700
Max. airflow	[m <sup>3</sup> /h]	2185	3195	4940
Max. air temperature	[°C]	60	60	60
Weight	[kg]	24	38	38
Wiring diagram		No.1	No.1	No.2
Protection class:	motor	IP-54	IP-54	IP-54
	terminal box	IP-55	IP-55	IP-54

### 311 EKO

	L <sub>pa</sub> dB(A)	L <sub>wa</sub> total dB(A)	L <sub>wa</sub> , dB(A)								
			63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
Inlet	67	74	43	52	61	70	68	66	62	61	53
Outlet	68	75	41	56	63	69	70	67	63	59	51

Measured at 1923 m<sup>3</sup>/h, 154 Pa

### 355 EKO

	L <sub>pa</sub> dB(A)	L <sub>wa</sub> total dB(A)	L <sub>wa</sub> , dB(A)								
			63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
Inlet	67	74	39	49	62	69	67	68	65	59	49
Outlet	67	74	41	55	65	66	70	68	64	58	48

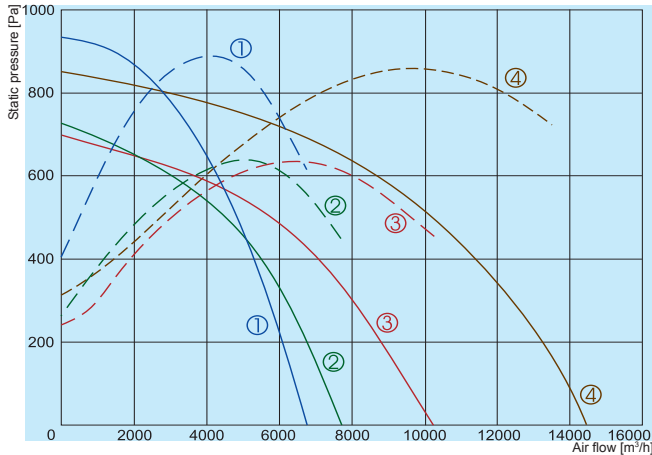
Measured at 2816 m<sup>3</sup>/h, 172 Pa

### 400 EKO

	L <sub>pa</sub> dB(A)	L <sub>wa</sub> total dB(A)	L <sub>wa</sub> , dB(A)								
			63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
Inlet	72	79	46	62	75	73	68	66	65	59	59
Outlet	70	77	46	64	70	71	71	68	66	60	56

Measured at 4370 m<sup>3</sup>/h, 183 Pa

The fan characteristic curves were determined in accordance with DIN 24163 resp. ISO 5801. The sound levels were determined in accordance with DIN 45635 resp. ISO 3744 at a distance of 1 m from the fan



**NEW!**

- ① — VSVI 450 L3 EKO
  - ② — VSVI 500 L3 EKO
  - ③ — VSVI 560 L3 EKO
  - ④ — VSVI 630 L3 EKO
- Performance  
- - - Power consumption

		450 L3 EKO	500 L3 EKO	560 L3 EKO	630 L3 EKO
Voltage/Frequency	[V/Hz]	400/50	400/50	400/50	400/50
Power consumption	[kW]	1,418	1,28	1,595	2,84
Current	[A]	2,22	2,02	2,51	4,4
Speed	[min <sup>-1</sup> ]	1800	1400	1230	1230
Max. airflow	[m³/h]	6760	7670	10220	14500
Max. air temperature	[°C]	60	60	40	60
Weight	[kg]	60	60	100	121
Wiring diagram		No.2	No.2	No.2	No.2
Protection class:	motor	IP-54	IP-54	IP-54	IP-54
	terminal box	IP-54	IP-54	IP-54	IP-54

### 450 EKO

	Lpa dB(A)	Lwa total dB(A)	Lwa, dB(A)								
			63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
Inlet	75	82	54	67	75	79	72	72	71	68	58
Outlet	77	84	54	69	76	79	78	74	73	68	57

Measured at 6368 m³/h, 116 Pa

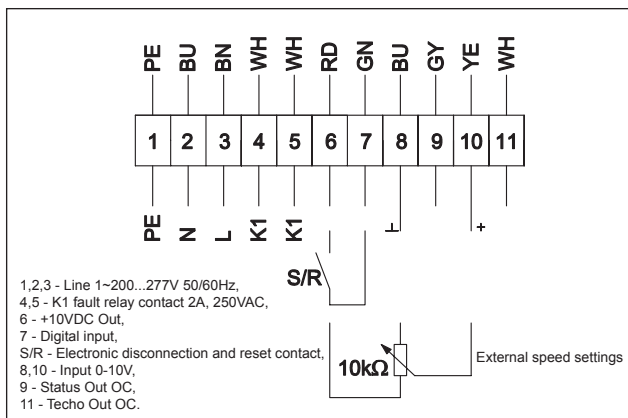
### 500 EKO

	Lpa dB(A)	Lwa total dB(A)	Lwa, dB(A)								
			63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
Inlet	71	78	49	67	72	74	67	67	67	65	54
Outlet	72	79	51	67	73	74	73	68	68	62	51

Measured at 7184 m³/h, 119 Pa

The fan characteristic curves were determined in accordance with DIN 24163 resp. ISO 5801. The sound levels were determined in accordance with DIN 45635 resp. ISO 3744 at a distance of 1 m from the fan

### Wiring diagram No. 1



- PE - yellow - green
- BU - blue
- BN - brown
- RD - red
- GN - green
- YE - yellow
- WH - white
- GY - gray

### Wiring diagram No. 2

