



Roof fans

Tourelles

Dachventilatoren

Крышные вентиляторы



Roof fans with horizontal discharge are used to extract air from different premises. Easy access to clean an impeller. Not suitable for polluted air, aggressive and explosive gases.

Impeller with backward curved blades.

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

Housing: powder coated painting RAL 9005.



Dachventilatoren, für Abluft bestimmt. Nicht geeignet für die Beförderung von verschmutzter Luft, aggressiven, explosiven Gasen. Laufrad ist rückwärts gekrümmt.

Der Motor: Außenrotor, integrierter Thermokontakt-Motorschutz, dauerhafte, keine Pflege erfordernde Lager.

Das Gehäuse: RAL 9005, gestrichen.



Tourelles destinées à l'extraction de l'air vicié. Le produit n'est pas adapté au transport d'air fortement pollué, de gaz agressifs ou explosifs.

Turbine : réaction (pales incurvées vers l'arrière).

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

Enveloppe : peinte avec RAL 9005.



Крышные вентиляторы для вытяжки воздуха. Не используются при транспортировке загрязнённого воздуха, агрессивных, взрывоопасных газов.

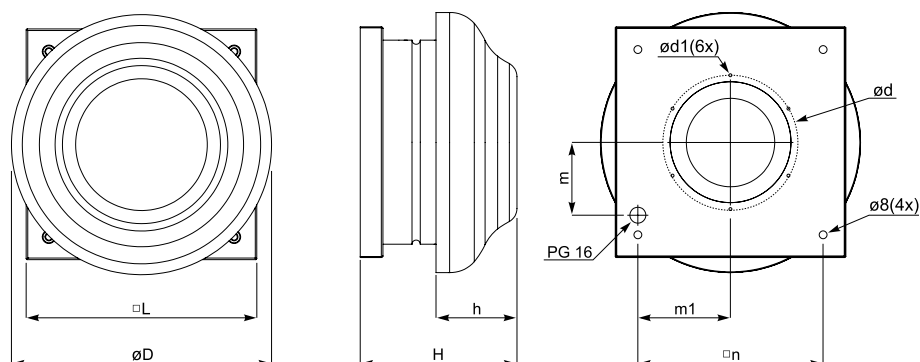
Крыльчатка: загнутые назад лопатки.

Двигатель: наружный ротор, встроенная термоконтактная защита двигателя, не требующие ухода подшипники с длительным сроком службы.

Корпус: окрашенный RAL 9005.

Accessories

SSA
p.234SSA 45
p. 234KSV
p. 231FSV
p. 240ATS
p. 219LSV
p. 235TGRV
p. 185

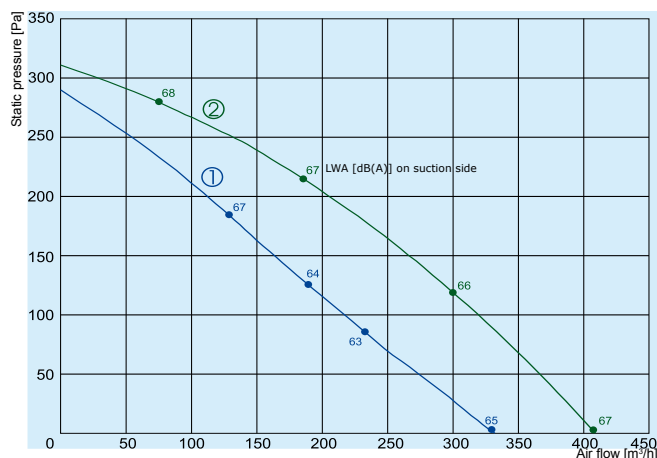


Type	Dimensions [mm]								
	ϕD	H	h	$\square L$	ϕd	$\phi d1$	m	m1	$\square n$
VSA 190S	344	207,3	107	305	177	6,1	96,5	123,5	245
VSA 190L	344	207,3	107	305	177	6,1	96,5	123,5	245
VSA 220S	450	214,35	109	405	230	7,1	138	168	330
VSA 220M	450	214,35	109	405	230	7,1	138	168	330
VSA 225L	450	245,55	109	405	230	7,1	138	168	330
VSA 250L	450	245,55	109	405	230	7,1	138	168	330

Accessories



MTY
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		VSA 190 S	VSA 190 L
Voltage/Frequency	[V/Hz]	230/50	230/50
Power consumption	[kW]	0,044	0,065
Current	[A]	0,19	0,28
Speed	[min ⁻¹]	1962	2442
Max. airflow	[m³/h]	332	409
Max. air temperature	[°C]	50	50
Speed controller		TGRV1,5 / MTY0	TGRV1,5 / MTY0
Weight	[kg]	4,4	4,4
Wiring diagram		No. 3	No. 2
Protection class:	motor	IP-44	IP-44
	terminal box	IP-54	IP-54

190 S

190 S	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	56	63	38	43	51	53	57	54	48	41	28
Outlet at 1 m dist.	556	63	36	44	53	51	53	52	48	38	25
Measured at 233 m³/h, 85 Pa											

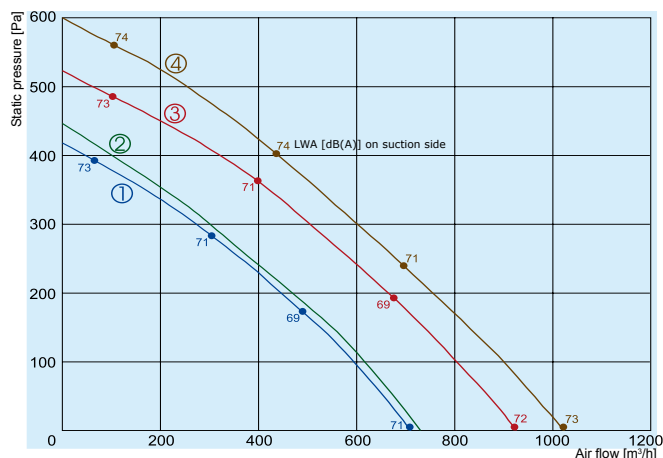
Measured at 233 m³/h, 85 Pa

190 L

190 L	L _{pa} dB(A)	L _{wa} total dB(A)	L _{wa} dB(A)								
			63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
Inlet	59	66	38	44	54	59	60	61	57	41	28
Outlet at 1 m dist.	53	60	28	37	51	54	58	53	47	32	18

Measured at 278 m³/h, 140 Pa

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



- ① **VSA 220 S**
 ② **VSA 220 M**
 ③ **VSA 225 L**
 ④ **VSA 250 L**

		VSA 220 S	VSA 220 M	VSA 225 L	VSA 250 L
Voltage/Frequency	[V/Hz]	230/50	230/50	230/50	230/50
Power consumption	[kW]	0,097	0,106	0,155	0,208
Current	[A]	0,42	0,46	0,68	0,90
Speed	[min ⁻¹]	2534	2700	2542	2442
Max. airflow	[m³/h]	711	730	926	1024
Max. air temperature	[°C]	40	55	60	40
Speed controller		TGRV1,5/MTY 0	TGRV1,5/MTY 0	TGRV1,5/MTY1	TGRV1,5/MTY1
Weight	[kg]	6,8	7,0	7,6	8,0
Wiring diagram		No. 2	No. 1	No. 2	No. 2
Protection class:	motor	IP-44	IP-44	IP-44	IP-44
	terminal box	IP-54	IP-54	IP-54	IP-54

220 S

220 S	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	62	69	39	50	57	63	64	62	58	54	34
Outlet at 1 m dist.	55	62	31	44	53	57	58	54	50	40	23
Measured at 489 m³/h, 173 Pa											

Measured at 489 m³/h, 173 Pa

220 M

220 M	L _{pa} dB(A)	L _{wa} total dB(A)	L _{wa} , dB(A)								
			100 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2,5 kHz	5 kHz	8 kHz	16 kHz
Inlet	58	68	77	80	80	78	75	73	69	59	50
5 mic. at 1,3 m dist.	70	80	71	68	72	69	70	67	65	54	48

Measured at 730 m³/h, 0 Pa

225 L

225 L	L _{pa} dB(A)	L _{wa} total dB(A)	L _{wa} , dB(A)								
			63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
Inlet	62	69	40	52	56	63	64	62	56	51	33
Outlet at 1 m dist.	57	64	32	44	53	58	61	59	52	43	30

Measured at 585 m³/h, 251 Pa

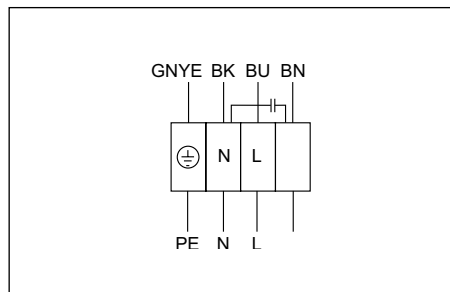
250 L

250 L	L _{pa} dB(A)	L _{wa} total dB(A)	L _{wa} , dB(A)								
			63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
Inlet	64	71	44	57	59	64	65	63	62	57	44
Outlet at 1 m dist.	58	65	34	50	55	58	61	59	52	45	33

Measured at 696 m³/h, 240 Pa

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

The company reserves the right to make changes of technical data without prior notice

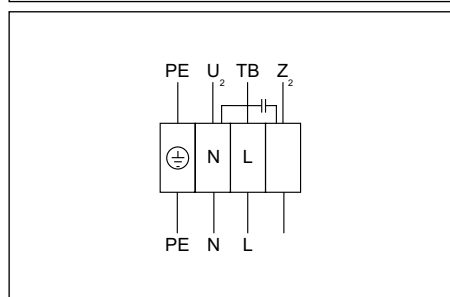
**Wiring diagram No. 1 (1~230V)**

GNYE - green-yellow

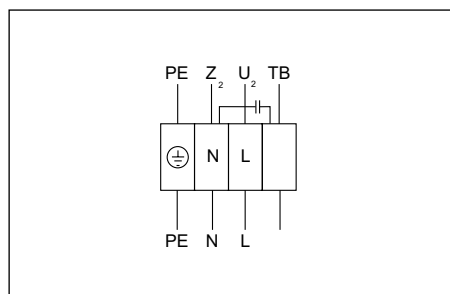
BK - black

BU - blue

BN - brown

**Wiring diagram No. 2 (1~230V)**U₂ - blue or greyZ₂ - black

TB - brown

**Wiring diagram No. 3 (1~230V)**U₂ - blue or greyZ₂ - black

TB - brown