



Rectangular duct fans

Stačiakampiai kanaliniai ventiliatoriai

Wentylatory do kanałów o przekroju prostokątnym z otwieraną sekcją wirnika

Прямоугольные каналные вентиляторы



Rectangular ducts fans for ventilation and air conditioning systems, mounted into a system of rectangular air ducts. Used for the air supply or extract. Not suitable for polluted air, aggressive and explosive gases. Compact, mounted in any position. Easily opened doors for cleaning an impeller.

Impeller with backward curved blades, made of plastic or galvanized steel.

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

Housing: made of galvanized steel.



Stačiakampiai kanaliniai ventiliatoriai, skirti vėdinimo ir oro kondicionavimo sistemoms, montuojami į stačiakampių ortakių sistemą.

Naudojami oro tiekimui ir šalinimui. Nenaudojami užteršto oro, agresyvių, sprogių dujų transportavimui. Kompaktiški, tyliai dirbantys, montuojami bet kokioje padėtyje, sparnuotė lengvai iškeliami valymui.

Sparnuotė: atgal lenktais sparneliais, cinkuoto plieno arba plastikinė.

Variklis: išorinis rotorius, tiesioginė pavara, integruota termokontaktinė variklio apsauga, ilgai tarnaujantys nereikalaujantys priežiūros guoliai.

Korpusas: iš cinkuotos skardos.



Wentylatory prostokątne do instalacji wentylacji i klimatyzacji, montowane do systemów prostokątnych kanałów. Używany do instalacji nawiewnych i wywiewnych. Nie nadają się do zastosowań w środowiskach agresywnych chemicznie oraz zagrożonych wybuchem.

Nie zaleca się stosować w instalacjach zanieczyszczonych cząstkami stałymi, pyłami i odpadami technologicznymi.

Nie stosować w instalacjach oddymiania, przeciwpożarowych, spaliniowych..

Wykonanie kompaktowe, montowane w dowolnej pozycji. Łatwo otwieralna pokrywa ułatwiająca czyszczenia wirnika.

Wirnik z łopatkami wygiętymi do tyłu, wykonany z tworzywa sztucznego lub galwanizowanej stali.

Silnik z wirnikiem zewnętrznym, silnik z wbudowanym termikiem, bezobsługowe łożyska kulkowe.

Korpus: wykonany z ocynkowanej stali.



Прямоугольные каналные вентиляторы для систем вентиляции и кондиционирования, устанавливаются в систему прямоугольных воздуховодов. Эксплуатируются в целях подачи и вытяжки воздуха. Не используются при транспортировке загрязнённого воздуха, агрессивных, взрывоопасных газов. Компактные, бесшумные, устанавливаются в любом положении, крыльчатка легко извлекается для чистки.

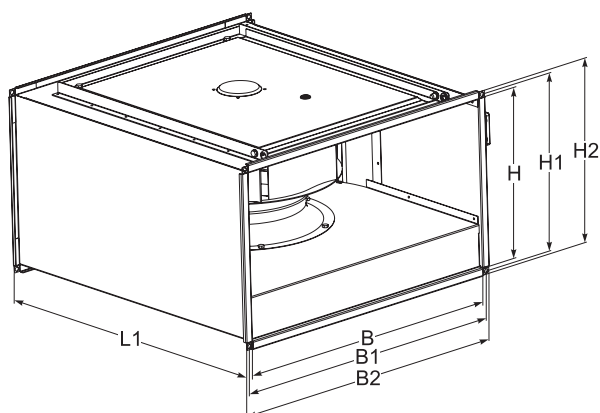
Крыльчатка: загнутые назад лопатки, пластмасса или оцинкованная сталь.

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

Корпус: оцинкованной жести.

Accessories

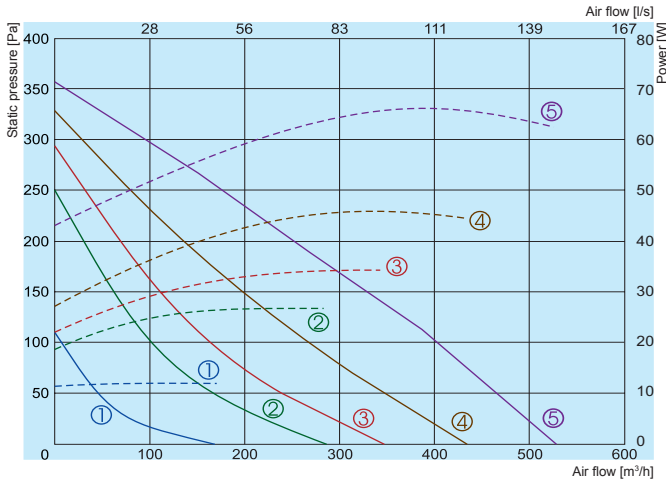
Single phase speed controller	Three phase speed controller	Single phase speed controller	Flexible connection	Rectangular duct silencer	Filter cassette	Electrical duct heater
						
TGRV p. 138	TGRT p. 139	ETY/MTY p. 141	LJ/E LJ/PG p. 150/151	SKS p. 196	FDS p. 190	EKS p. 164



Type	Dimensions [mm]						
	B	B1	B2	H	H1	H2	L1
VKSB 300x150	300	320	340	150	170	190	400
VKSB 400x200	400	420	440	200	220	240	445
VKSB 500x250	500	520	540	250	270	290	530
VKSB 500x300	500	520	540	300	320	340	560
VKSB 600x300	600	620	640	300	320	340	640
VKSB 600x350	600	620	640	350	370	390	700
VKSB 700x400	700	720	740	400	420	440	780
VKSB 800x500	800	820	840	500	520	540	880
VKSB 1000x500	1000	1020	1040	500	520	540	980

Type	Accessories							
	TGRV	TGRT	ETY/MTY	LJ/E	LJ/PG	SKS	FDS	EKS
VKSB 300x150-2 L1	1,5	-	1,5	30x15	30x15	30-15	30-15	300x150
VKSB 400x200-2 L1	1,5	-	1,5	40x20	40x20	40-20	40-20	400x200
VKSB 400x200-2S L1	1,5	-	1,5	40x20	40x20	40-20	40-20	400x200
VKSB 500x250-2 L1	1,5	-	1,5	50x25	50x25	50-25	50-25	500x250
VKSB 500x250-2S L1	1,5	-	1,5	50x25	50x25	50-25	50-25	500x250
VKSB 500x300-2 L1	1,5	-	1,5	50x30	50x30	50-30	50-30	500x300
VKSB 500x300-2S L1	3	-	2,5	50x30	50x30	50-30	50-30	500x300
VKSB 500x300-4 L3	-	1	-	50x30	50x30	50-30	50-30	500x300
VKSB 600x300-4 L1	2	-	2,5	60x30	60x30	60-30	60-30	600x300
VKSB 600x300-4 L3	-	1	-	60x30	60x30	60-30	60-30	600x300
VKSB 600x350-4 L1	3	-	2,5	60x35	60x35	60-35	60-35	600x350
VKSB 600x350-4 L3	-	1	-	60x35	60x35	60-35	60-35	600x350
VKSB 700x400-4-L1	5	-	4	70x40	70x40	70-40	70-40	700x400
VKSB 700x400-4-L3	-	2	-	70x40	70x40	70-40	70-40	700x400
VKSB 800x500-4 L1	5	-	4	80x50	80x50	80-50	80-50	800x500
VKSB 800x500-4 L3	-	4	-	80x50	80x50	80-50	80-50	800x500
VKSB 1000x500-4 L3	-	5	-	100x50	100x50	100-50	100-50	1000x500

VKSB 300x150-2 L1



Performance
Power consumption

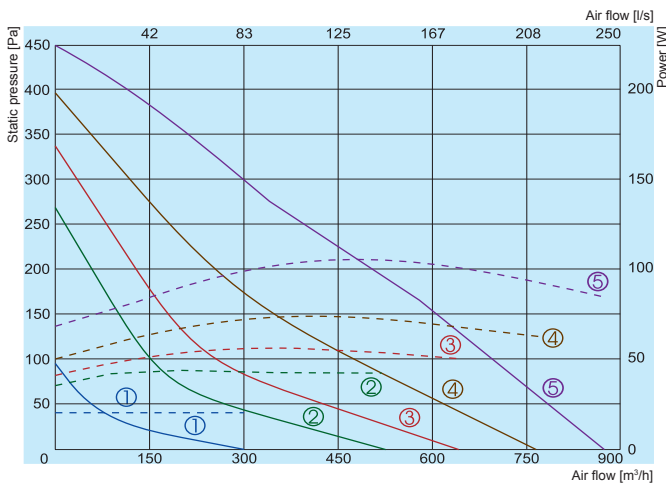
- ① 80V
- ② 120V
- ③ 140V
- ④ 170V
- ⑤ 230V

300x150-2 L1

Lwa total, dB(A)	Lwa, dB(A)						
	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Inlet	70	41	52	68	62	60	52
Outlet	73	38	55	68	65	66	55
Surrounding	57	25	41	54	50	50	41

Measured at 328 m³/h, 152 Pa

VKSB 400x200-2 L1



Performance
Power consumption

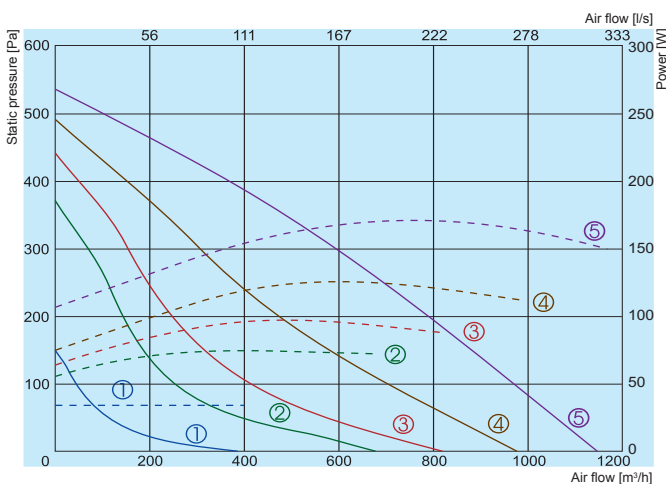
- ① 80V
- ② 120V
- ③ 140V
- ④ 170V
- ⑤ 230V

400x200-2 L1

Lwa total, dB(A)	Lwa, dB(A)						
	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Inlet	69	52	53	64	65	61	55
Outlet	75	49	57	70	69	67	58
Surrounding	59	35	44	54	53	49	46

Measured at 527 m³/h, 192 Pa

VKSB 400x200-2S L1



Performance
Power consumption

- ① 80V
- ② 120V
- ③ 140V
- ④ 170V
- ⑤ 230V

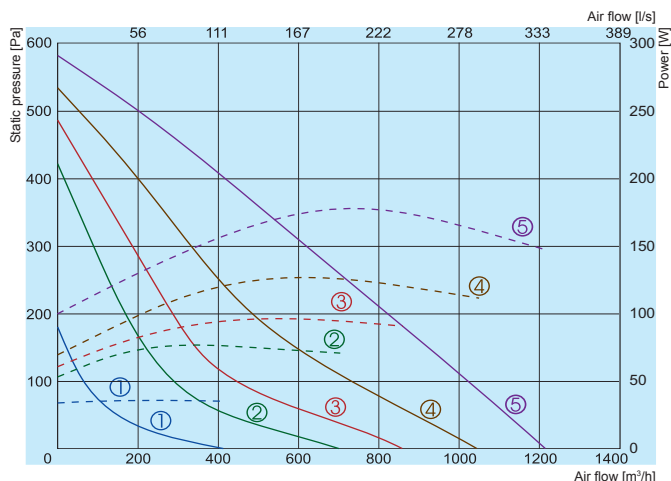
400x200-2S L1

Lwa total, dB(A)	Lwa, dB(A)						
	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Inlet	80	61	62	75	74	71	66
Outlet	73	63	56	68	68	64	60
Surrounding	57	48	42	51	52	47	46

Measured at 860 m³/h, 165 Pa

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

VKSB 500x250-2 L1



Performance
Power consumption

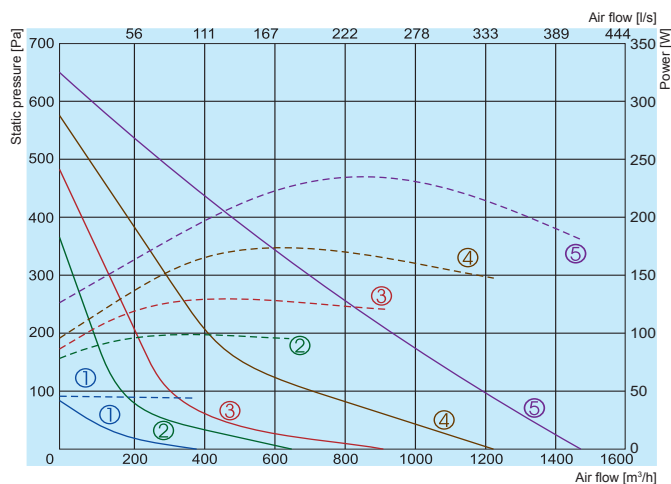
- ① 80V
- ② 120V
- ③ 140V
- ④ 170V
- ⑤ 230V

500x250-2 L1

	LWA total, dB(A)	Lwa, dB(A)						
		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Inlet	74	55	55	71	67	65	64	62
Outlet	80	52	62	76	73	73	70	66
Surrounding	65	37	50	60	56	57	59	57

Measured at 748 m³/h, 235 Pa

VKSB 500x250-2S L1



Performance
Power consumption

- ① 80V
- ② 120V
- ③ 140V
- ④ 170V
- ⑤ 230V

500x250-2S L1

	LWA total, dB(A)	Lwa, dB(A)						
		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Inlet	78	56	63	73	71	71	69	63
Outlet	84	58	67	79	77	78	74	67
Surrounding	63	43	51	57	58	55	52	45

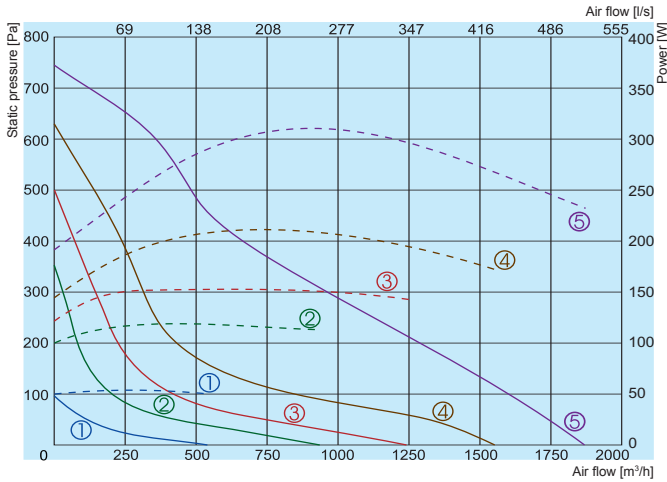
Measured at 1075 m³/h, 178 Pa

		300x150-2 L1	400x200-2 L1	400x200-2S L1	500x250-2 L1	500x250-2S L1
Voltage/Frequency	[V/Hz]	230/50	230/50	230/50	230/50	230/50
Power consumption	[kW]	0,067	0,105	0,172	0,181	0,237
Current	[A]	0,29	0,46	0,76	0,79	1,03
Speed	[min ⁻¹]	2467	2396	2458	2420	2401
Max. airflow	[m³/h]	527	879	1152	1215	1457
Min./Max. air temperature	[°C]	-30/50	-30/40	-30/60	-30/60	-30/50
Weight	[kg]	7,0	11,0	11,0	16,0	16,0
Wiring diagram		No. 4	No. 4	No. 4	No. 4	No. 4
Protection class:	motor	IP-44	IP-44	IP-44	IP-44	IP-44
	terminal box	IP-54	IP-54	IP-54	IP-54	IP-54
Comply with ERP 2013		+	+	+	+	-

The fan characteristic curves were determined in accordance with EN ISO 5801. The sound 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

VKSB 500x300-2 L1



Performance
Power consumption

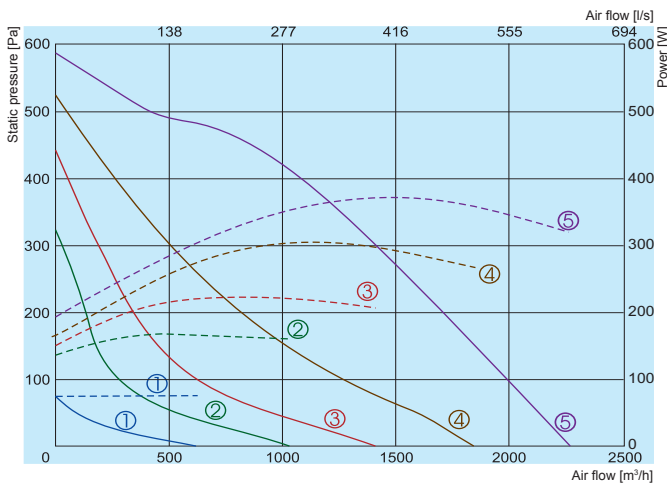
- ① 80V
- ② 120V
- ③ 140V
- ④ 170V
- ⑤ 230V

500x300-2 L1

Lwa total, dB(A)	Lwa, dB(A)						
	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Inlet	74	61	56	69	66	67	65
Outlet	79	61	63	74	72	75	70
Surrounding	60	47	43	57	53	51	47

Measured at 889 m³/h, 300 Pa

VKSB 500x300-2S L1



Performance
Power consumption

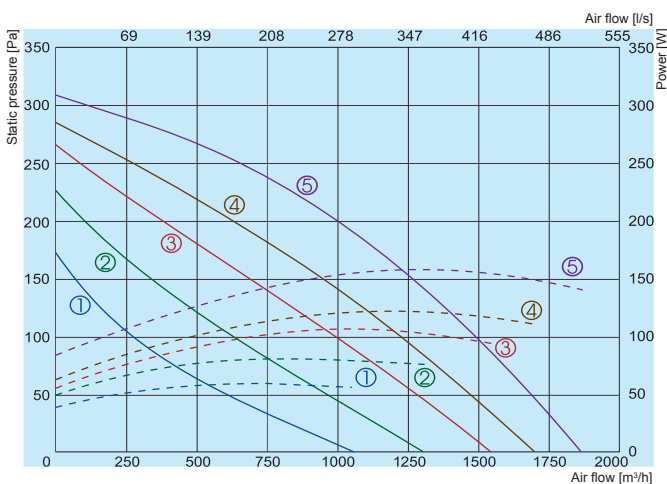
- ① 80V
- ② 120V
- ③ 140V
- ④ 170V
- ⑤ 230V

500x300-2S L1

Lwa total, dB(A)	Lwa, dB(A)						
	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Inlet	74	61	56	69	66	67	59
Outlet	80	61	63	74	72	75	67
Surrounding	60	47	43	57	53	51	40

Measured at 1009 m³/h, 413 Pa

VKSB 500x300-4 L3



Performance
Power consumption

- ① 130V
- ② 170V
- ③ 220V
- ④ 270V
- ⑤ 400V

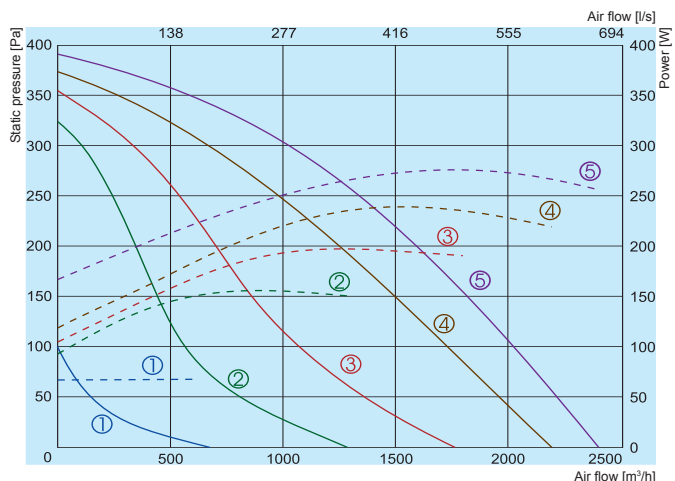
500x300-4 L3

Lwa total, dB(A)	Lwa, dB(A)						
	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Inlet	76	62	65	70	69	70	60
Outlet	80	65	68	72	75	73	69
Surrounding	63	49	51	55	59	55	50

Measured at 1476 m³/h, 104 Pa

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

VKSB 600x300-4 L1



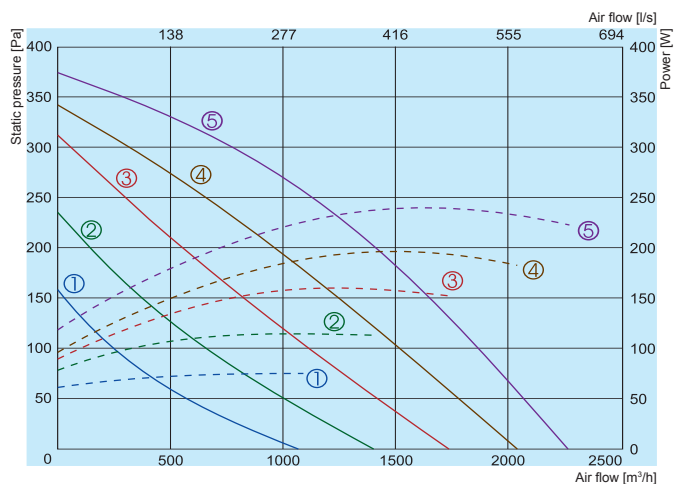
- Performance
Power consumption
- ① 80V
 - ② 120V
 - ③ 140V
 - ④ 170V
 - ⑤ 230V

600x300-4 L1

	LWA total, dB(A)	Lwa, dB(A)						
		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Inlet	78	64	72	69	70	72	70	65
Outlet	81	67	74	73	75	74	72	68
Surrounding	63	46	52	59	58	56	51	48

Measured at 2013 m³/h, 100 Pa

VKSB 600x300-4 L3



- Performance
Power consumption
- ① 130V
 - ② 170V
 - ③ 220V
 - ④ 270V
 - ⑤ 400V

600x300-4 L3

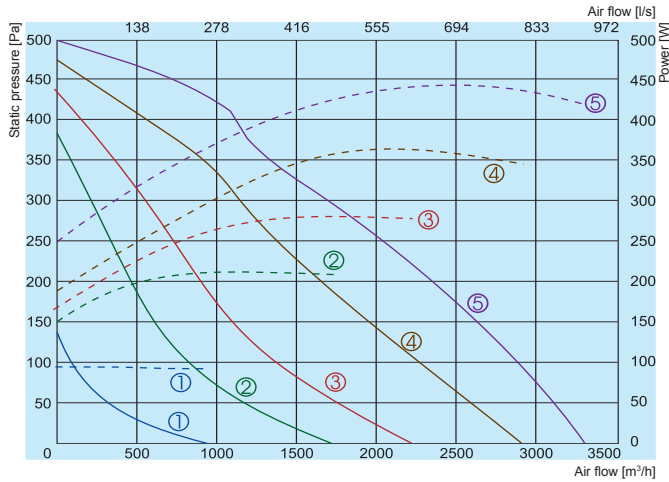
	LWA total, dB(A)	Lwa, dB(A)						
		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Inlet	77	62	70	68	69	71	70	64
Outlet	80	68	72	73	73	74	68	67
Surrounding	62	43	48	59	57	52	50	45

Measured at 1865 m³/h, 101 Pa

		500x300-2 L1	500x300-2S L1	500x300-4 L3	600x300-4 L1	600x300-4 L3
Voltage/Frequency	[V/Hz]	230/50	230/50	400/50	230/50	400/50
Power consumption	[kW]	0,313	0,388	0,16	0,28	0,24
Current	[A]	1,36	1,74	0,37	1,34	0,47
Speed	[min ⁻¹]	2225	2750	1370	1390	1340
Max. airflow	[m³/h]	1872	2264	1864	2390	2262
Min./Max. air temperature	[°C]	-25/40	-25/60	-25/70	-25/65	-25/60
Weight	[kg]	17,0	17,0	18,0	19,0	21,0
Wiring diagram		No. 4	No. 1	No. 3	No. 2	No. 3
Protection class:	motor	IP-44	IP-44	IP-54	IP-54	IP-54
	terminal box	IP-54	IP-54	IP-54	IP-54	IP-54
Comply with ERP 2013		-	+	+	+	+

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

VKSB 600x350-4 L1



Performance
Power consumption

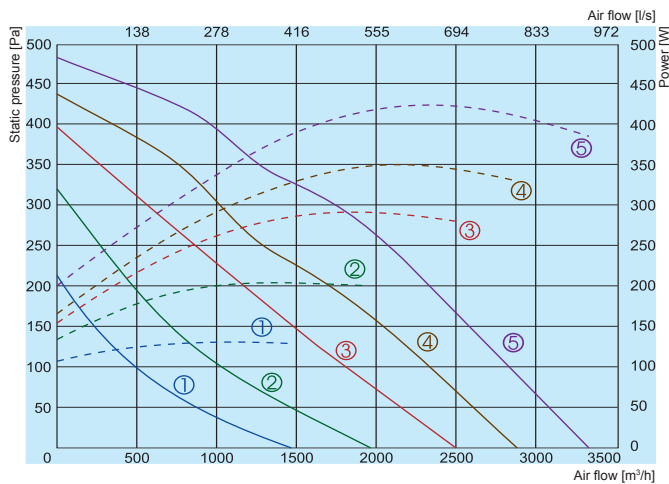
- ① 80V
- ② 120V
- ③ 140V
- ④ 170V
- ⑤ 230V

600x350-4 L1

	Lwa total, dB(A)	Lwa, dB(A)						
		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Inlet	77	57	64	68	73	72	68	65
Outlet	82	61	64	74	78	75	73	70
Surrounding	65	46	52	57	61	59	56	53

Measured at 2748 m³/h, 124 Pa

VKSB 600x350-4 L3



Performance
Power consumption

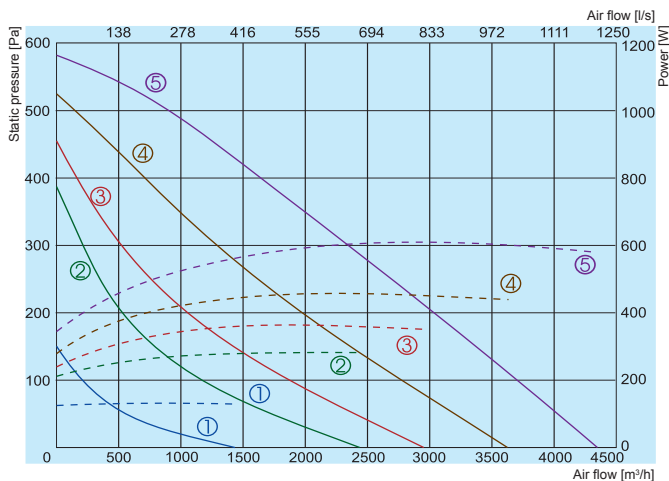
- ① 130V
- ② 170V
- ③ 220V
- ④ 270V
- ⑤ 400V

600x350-4 L3

	Lwa total, dB(A)	Lwa, dB(A)						
		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Inlet	77	57	64	68	73	72	68	65
Outlet	82	61	64	74	78	75	73	70
Surrounding	65	46	52	57	61	59	56	53

Measured at 2747 m³/h, 118 Pa

VKSB 700x400-4 L1



Performance
Power consumption

- ① 80V
- ② 120V
- ③ 140V
- ④ 170V
- ⑤ 230V

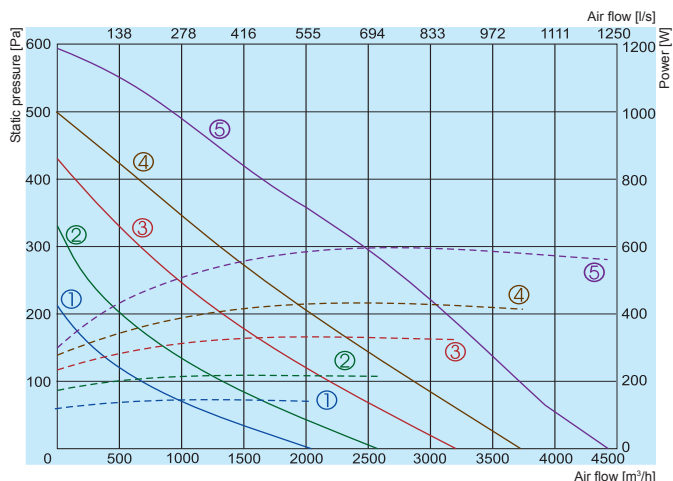
700x400-4 L1

	Lwa total, dB(A)	Lwa, dB(A)						
		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Inlet	81	60	59	70	79	74	70	62
Outlet	84	61	68	74	80	77	76	69
Surrounding	68	48	52	58	66	61	58	52

Measured at 3550 m³/h, 119 Pa

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

VKSB 700x400-4 L3



Performance
Power consumption

- ① 130V
- ② 170V
- ③ 220V
- ④ 270V
- ⑤ 400V

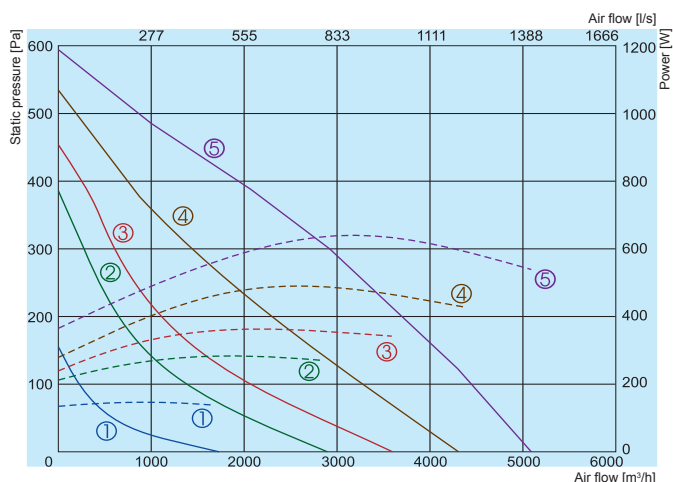
700x400-4 L3

	LWA total, dB(A)	Lwa, dB(A)						
		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Inlet	80	58	60	71	77	75	71	61
Outlet	84	60	66	76	78	78	77	68
Surrounding	69	52	51	59	67	60	55	54

Measured at 3608 m³/h, 114 Pa

		600x350-4 L1	600x350-4 L3	700x400-4 L1	700x400-4 L3
Voltage/Frequency	[V/Hz]	230/50	400/50	230/50	400/50
Power consumption	[kW]	0,45	0,43	0,62	0,60
Current	[A]	2,14	0,83	2,85	1,28
Speed	[min ⁻¹]	1280	1320	1240	1250
Max. airflow	[m³/h]	3296	3315	4371	4426
Min./Max. air temperature	[°C]	-25/40	-25/55	-25/60	-25/40
Weight	[kg]	24,0	27,0	48,0	64,0
Wiring diagram		No. 2	No. 3	No. 2	No. 3
Protection class:	motor	IP-54	IP-54	IP-54	IP-54
	terminal box	IP-54	IP-54	IP-54	IP-54
Comply with ERP 2013		-	+	-	-

VKSB 800x500-4 L1



Performance
Power consumption

- ① 80V
- ② 120V
- ③ 140V
- ④ 170V
- ⑤ 230V

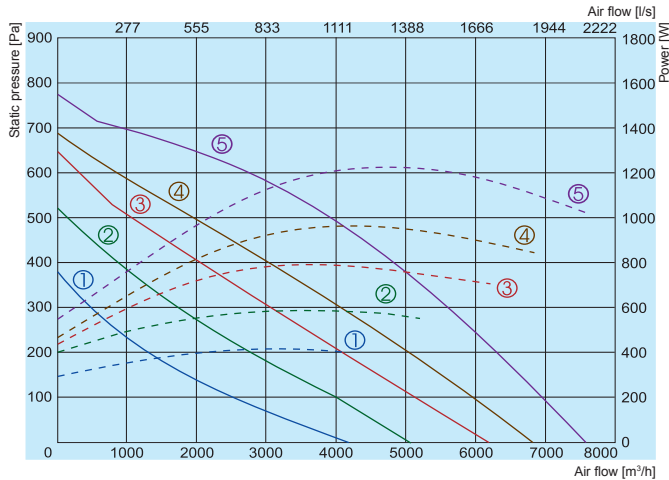
800x500-4 L1

	LWA total, dB(A)	Lwa, dB(A)						
		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Inlet	81	63	65	70	78	75	72	68
Outlet	86	67	67	77	84	77	78	73
Surrounding	68	51	52	56	65	60	57	55

Measured at 4204 m³/h, 134 Pa

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

VKSB 800x500-4 L3



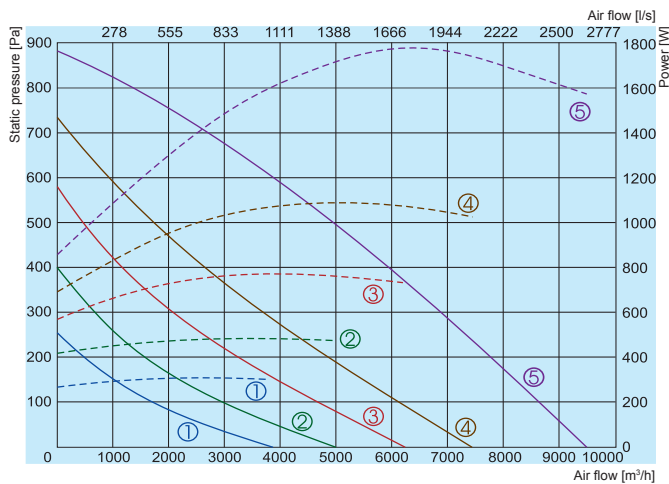
- Performance
Power consumption
- ① 130V
 - ② 170V
 - ③ 220V
 - ④ 270V
 - ⑤ 400V

800x500-4 L3

LWA total, dB(A)	Lwa, dB(A)						
	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Inlet	88	79	68	78	86	78	75
Outlet	92	78	77	86	87	85	80
Surrounding	74	64	59	66	70	65	61

Measured at 7027 m³/h, 100 Pa

VKSB 1000x500-4 L3



- Performance
Power consumption
Not operating zone
- ① 130V
 - ② 170V
 - ③ 220V
 - ④ 270V
 - ⑤ 400V

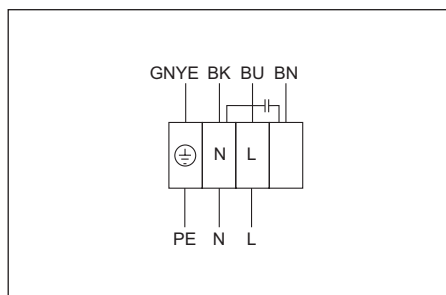
1000x500-4 L3

LWA total, dB(A)	Lwa, dB(A)						
	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Inlet	93	86	72	84	90	80	77
Outlet	96	80	82	91	89	90	87
Surrounding	78	68	63	72	74	68	65

Measured at 8622 m³/h, 102 Pa

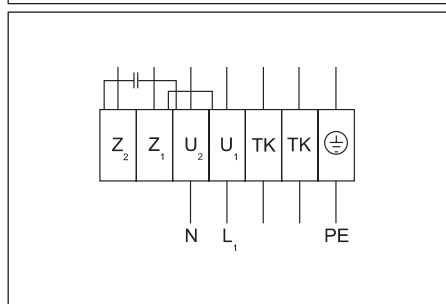
		800x500-4 L1	800x500-4 L3	1000x500-4 L3
Voltage/Frequency	[V/Hz]	230/50	400/50	400/50
Power consumption	[kW]	0,66	1,2	1,79
Current	[A]	3,0	2,31	3,43
Speed	[min ⁻¹]	1240	1330	1180
Max. airflow	[m³/h]	5084	7643	9494
Max. air temperature	[°C]	-25/60	-25/45	-25/40
Weight	[kg]	56,0	69,0	89,0
Wiring diagram		No. 2	No. 3	No. 3
Protection class:	motor	IP-54	IP-54	IP-54
	terminal box	IP-54	IP-54	IP-54
Comply with ERP 2013		-	+	-

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



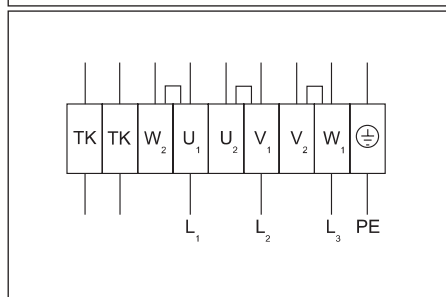
Wiring diagram No. 1 (1~230V)

GNYE - green-yellow
 BK - black
 BU - blue
 BN - brown



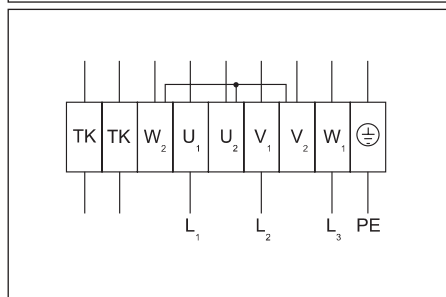
Wiring diagram No. 2 (1~230V)

U₁ - brown
 U₂ - blue
 Z₁ - black
 Z₂ - orange
 TK - white
 PE - green-yellow



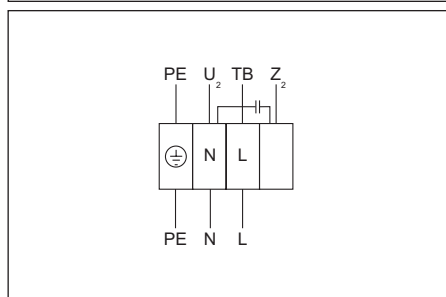
Wiring diagram No. 3 (Δ - 3~230V)

U₁ - brown
 U₂ - red
 V₁ - blue
 V₂ - grey
 W₁ - black
 W₂ - orange
 TK - white
 PE - green-yellow



Wiring diagram No. 3 (Y - 3~400V)

U₁ - brown
 U₂ - red
 V₁ - blue
 V₂ - grey
 W₁ - black
 W₂ - orange
 TK - white
 PE - green-yellow



Wiring diagram No. 4 (1~230V)

U₂ - blue or grey
 Z₂ - black
 TB - brown
 PE - green-yellow