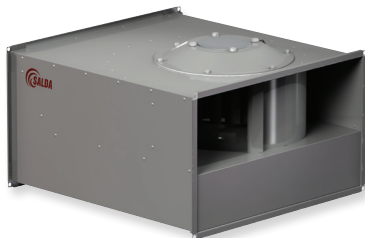
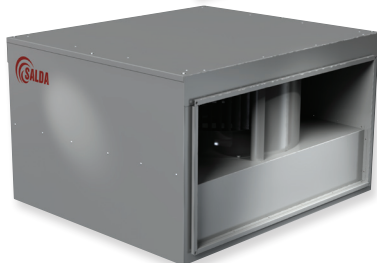


# VKS/VKSA

VKS



VKSA



Rectangular duct fans

Stačiakampiai kanaliniai ventiliatoriai

Wentylatory do kanałów o przekroju prostokątnym

Прямоугольные каналные вентиляторы



**VKS**

Rectangular duct 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, with low noise level, mounted in any position, simple access to clean an impeller.

Impeller with forward curved blades made of galvanized steel.

Ziehl-Abegg motorized impeller.

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

Housing: made of galvanized steel.

**VKSA**

Sound insulation: mineral wool, 50 mm thickness.

Low noise level.



**VKS**

Stačiakampiai kanaliniai ventiliatoriai, skirti vėdinimo ir oro kondicionavimo sistemoms, montuojami į stačiakampių ortakijų 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: į priekį lenktais sparneliais, cinkuoto plieno.

Motorizuota Ziehl-Abegg sparnuotė.

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

Korpusas: iš cinkuotos skardos.

**VKSA**

Garsinė izoliacija: mineralinė vata, 50mm storio.

Žemas triukšmo lygis.



**VKS**

Wentylatory przystosowane do systemu prostokątnych kanałów nawiewnych i wywiewnych instalacji wentylacji i klimatyzacji. 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, spalinowych. Wentylatory o kompaktowych wymiarach, niskim poziomie hałasu, montowany w dowolnej pozycji, z prostym dostępem do wirnika. Wirnik firmy Ziehl-Abegg z łopatkami wygiętymi do przodu, wykonanymi z ocynkowanej blachy stalowej. Silnik z wirnikiem zewnętrznym, z wbudowanym zabezpieczeniem termicznym i bezobsługowymi łożyskami kulkowymi.

Korpus: wykonany z ocynkowanej stali.

**VKSA**

Izolacja akustyczna: wełna mineralna, 50 mm grubości.

Niski poziom hałasu.



**VKS**

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 вперёд лопатки, оцинкованная сталь.

Крыльчатка с мотором "Ziehl-Abegg".

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

Корпус: оцинкованной жести.

**VKSA**

Звукоизоляция: минеральная вата толщиной 50 мм.

Низкий уровень шума.

## Accessories

Single phase speed controller



TGRV

p. 138

Three phase speed controller



TGRT

p. 139

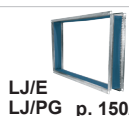
Single phase speed controller



ETY/MTY

p. 141

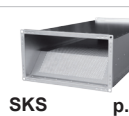
Flexible connection



LJ/E

LJ/PG p. 150/151

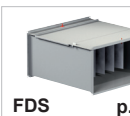
Rectangular duct silencer



SKS

p. 196

Filter cassette



FDS

p. 190

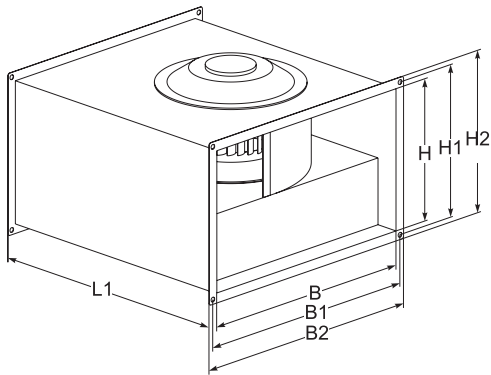
Electrical duct heater



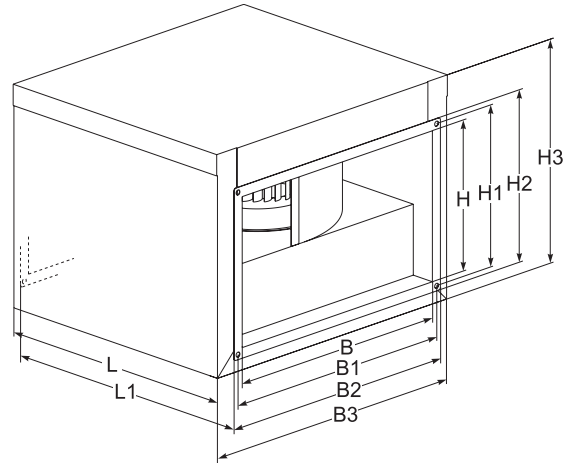
EKS

p. 164

VKS



VKSA



VKS

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

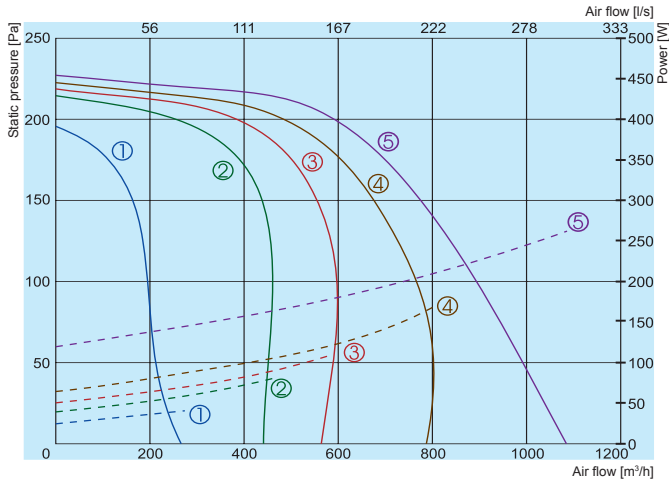
VKSA

Type	Dimensions [mm]									
	B	B1	B2	B3	H	H1	H2	H3	L	L1
VKSA 400x200	400	420	440	507	200	220	240	338	417	445
VKSA 500x250	500	520	540	605	250	270	290	393	502	530
VKSA 500x300	500	520	540	605	300	320	340	443	532	560
VKSA 600x300	600	620	640	705	300	320	340	443	612	640
VKSA 600x350	600	620	640	705	350	370	390	493	672	700
VKSA 700x400	700	720	740	825	400	420	440	565	752	780
VKSA 800x500	800	820	840	905	500	520	540	665	852	880
VKSA 1000x500	1000	1020	1040	1105	500	520	540	665	952	980

# VKS/VKSA

Type	Accessories							
	TGRV	TGRT	ETY/MTY	LJ/E	LJ/PG	SKS	FDS	EKS
VKS/VKSA 400x200-4 L1	2	-	2,5	40x20	40x20	40-20	40-20	400x200
VKS/VKSA 400x200-4 L3	-	1	-	40x20	40x20	40-20	40-20	400x200
VKS/VKSA 500x250-4 L1	3	-	4	50x25	50x25	50-25	50-25	500x250
VKS/VKSA 500x250-4 L3	-	1	-	50x25	50x25	50-25	50-25	500x250
VKS/VKSA 500x300-4 L1	4	-	4	50x30	50x30	50-30	50-30	500x300
VKS/VKSA 500x300-4 L3	-	3	-	50x30	50x30	50-30	50-30	500x300
VKS/VKSA 500x300-6 L1	3	-	2,5	50x30	50x30	50-30	50-30	500x300
VKS/VKSA 600x300-4 L1	11	-	-	60x30	60x30	60-30	60-30	600x300
VKS/VKSA 600x300-4 L3	-	4	-	60x30	60x30	60-30	60-30	600x300
VKS/VKSA 600x300-6 L1	3	-	2,5	60x30	60x30	60-30	60-30	600x300
VKS/VKSA 600x300-6 L3	-	2	-	60x30	60x30	60-30	60-30	600x300
VKS/VKSA 600x350-4 L1	14	-	-	60x35	60x35	60-35	60-35	600x350
VKS/VKSA 600x350-4 L3	-	7	-	60x35	60x35	60-35	60-35	600x350
VKS/VKSA 600x350-6 L3	-	3	-	60x35	60x35	60-35	60-35	600x350
VKS/VKSA 700x400-4 L3	-	11	-	70x40	70x40	70-40	70-40	700x400
VKS/VKSA 700x400-6 L3	-	3	-	70x40	70x40	70-40	70-40	700x400
VKS/VKSA 800x500-4S L3	-	14	-	80x50	80x50	80-50	80-50	800x500
VKS/VKSA 800x500-4 L3	-	14	-	80x50	80x50	80-50	80-50	800x500
VKS/VKSA 800x500-6 L3	-	7	-	80x50	80x50	80-50	80-50	800x500
VKS/VKSA 800x500-8 L3	-	4	-	80x50	80x50	80-50	80-50	800x500
VKS/VKSA 1000x500-4S L3	-	14	-	100x50	100x50	100-50	100-50	1000x500
VKS/VKSA 1000x500-4 L3	-	14	-	100x50	100x50	100-50	100-50	1000x500
VKS/VKSA 1000x500-6 L3	-	7	-	100x50	100x50	100-50	100-50	1000x500
VKS/VKSA 1000x500-8 L3	-	4	-	100x50	100x50	100-50	100-50	1000x500

## VKS/VKSA 400x200-4 L1



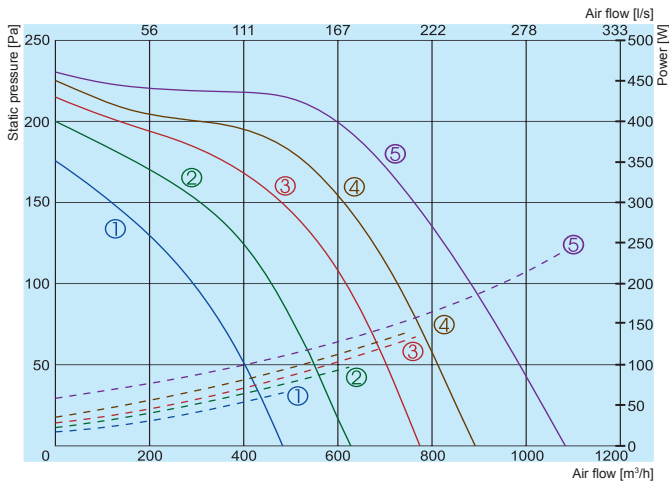
- Performance ———  
Power consumption - - - - -
- ① 80V
  - ② 120V
  - ③ 140V
  - ④ 170V
  - ⑤ 230V

**400x200-4 L1**

	Lwa total, dB(A)	Lwa, dB(A)						
		125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
Inlet	64	43	51	57	61	54	51	50
Outlet	68	44	53	58	65	59	57	56
VKS surrounding	54	29	38	47	51	47	43	41
VKSA surrounding	44	22	31	37	40	37	35	33

Measured at 452 m³/h, 217 Pa

## VKS/VKSA 400x200-4 L3



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

**400x200-4 L3**

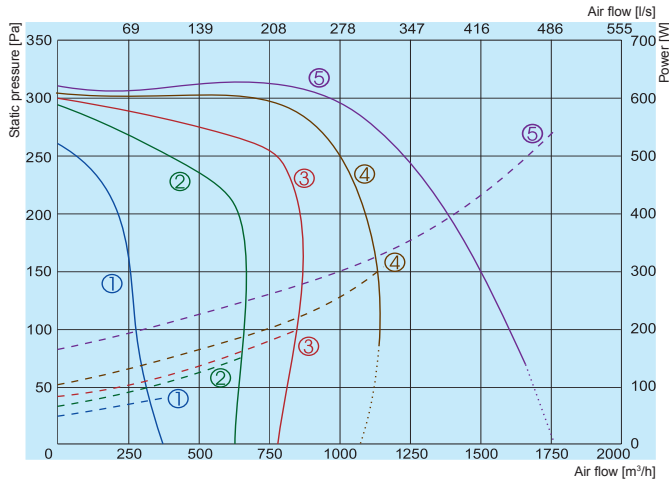
	Lwa total, dB(A)	Lwa, dB(A)						
		125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
Inlet	62	37	49	55	59	53	49	47
Outlet	66	38	51	57	63	58	55	54
VKS surrounding	53	23	37	46	49	46	40	37
VKSA surrounding	42	17	30	35	38	37	32	28

Measured at 524 m³/h, 214 Pa

		400x200-4 L1	400x200-4 L3
Voltage/Frequency	[V/Hz]	230/50	400/50
Power consumption	[kW]	0,264	0,241
Current	[A]	1,35	0,44
Speed	[min <sup>-1</sup> ]	1180	1230
Max. airflow	[m³/h]	1079	1078
Min./Max. air temperature	[°C]	-25 / 40	-25 / 70
Weight	[kg]	14 / 21	14 / 21
Wiring diagram		No. 1	No. 2
Protection class:	motor	IP-54	IP-44
	terminal box	IP-55	IP-55
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.

## VKS/VKSA 500x250-4 L1



Performance  
Power consumption  
Not operating zone

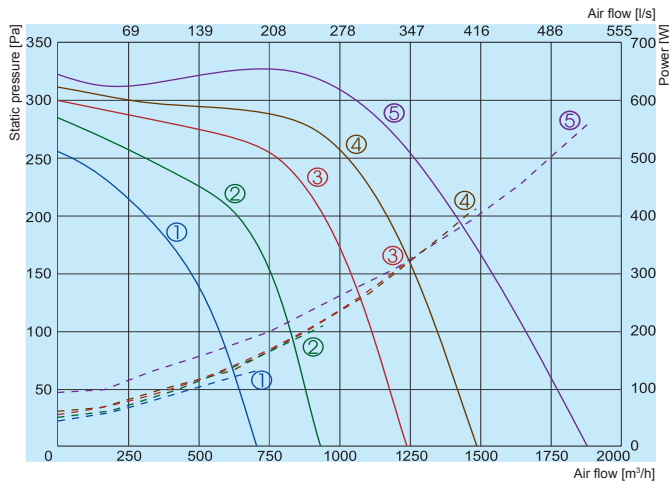
- ① 80V
- ② 120V
- ③ 140V
- ④ 170V
- ⑤ 230V

### 500x250-4 L1

	Lwa total, dB(A)	Lwa, dB(A)						
		125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
Inlet	63	44	50	58	59	55	53	50
Outlet	70	45	51	63	67	61	60	56
VKS surrounding	57	32	40	53	51	44	49	45
VKSA surrounding	49	27	33	43	44	38	42	39

Measured at 882 m³/h, 311 Pa

## VKS/VKSA 500x250-4 L3



Performance  
Power consumption

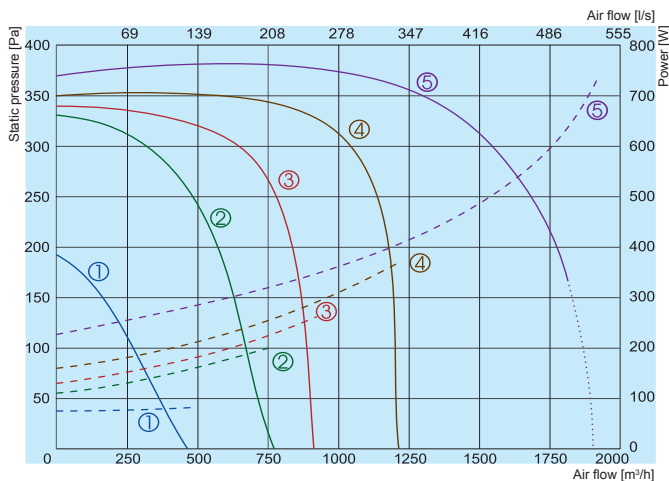
- ① 130V
- ② 170V
- ③ 220V
- ④ 270V
- ⑤ 400V

### 500x250-4 L3

	Lwa total, dB(A)	Lwa, dB(A)						
		125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
Inlet	66	47	53	59	62	59	56	52
Outlet	73	48	54	64	70	65	63	61
VKS surrounding	58	35	43	52	55	48	46	44
VKSA surrounding	50	30	35	44	47	41	40	39

Measured at 1058 m³/h, 301 Pa

## VKS/VKSA 500x300-4 L1



Performance  
Power consumption  
Not operating zone

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

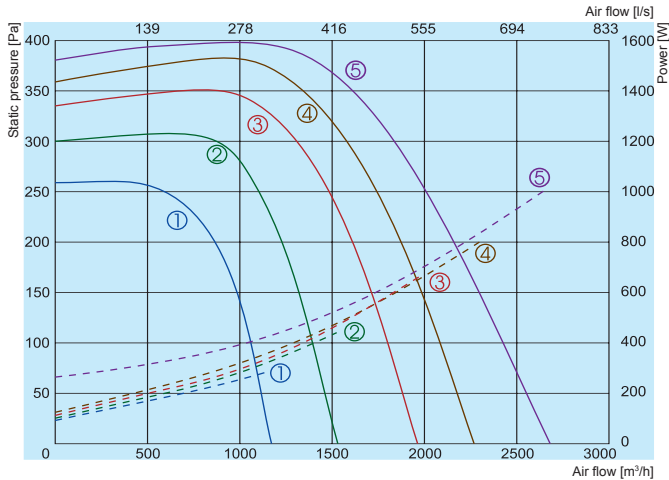
### 500x300-4 L1

	Lwa total, dB(A)	Lwa, dB(A)						
		125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
Inlet	65	50	52	55	59	58	58	55
Outlet	71	51	55	62	67	63	64	60
VKS surrounding	57	37	50	50	54	47	46	42
VKSA surrounding	48	33	37	43	44	39	39	34

Measured at 1027 m³/h, 380 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.

## VKS/VKSA 500x300-4 L3



Performance  
Power consumption

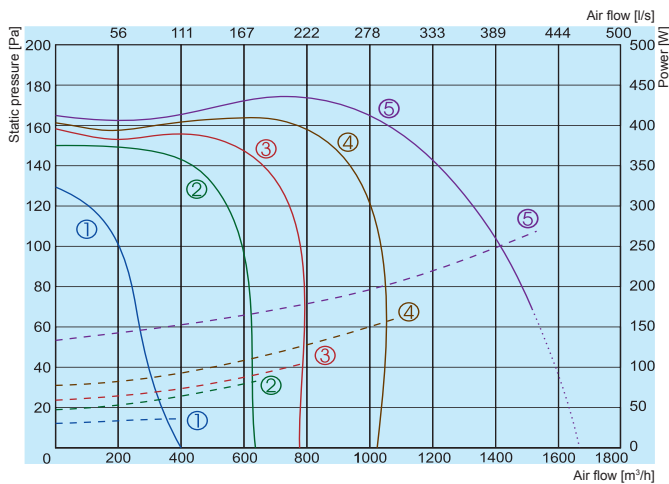
- ① 130V
- ② 170V
- ③ 220V
- ④ 270V
- ⑤ 400V

### 500x300-4 L3

	Lwa total, dB(A)	Lwa, dB(A)						
		125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
Inlet	70	55	54	60	65	63	62	63
Outlet	75	54	57	65	71	67	67	65
VKS surrounding	59	38	50	50	55	51	49	47
VKSA surrounding	52	35	40	44	48	43	42	39

Measured at 1449 m³/h, 378 Pa

## VKS/VKSA 500x300-6 L1



Performance  
Power consumption  
Not operating zone

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

### 500x300-6 L1

	Lwa total, dB(A)	Lwa, dB(A)						
		125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
Inlet	72	61	55	62	67	66	63	59
Outlet	78	62	60	68	73	72	69	66
VKS surrounding	61	49	47	50	58	53	51	49
VKSA surrounding	55	41	41	45	52	47	44	42

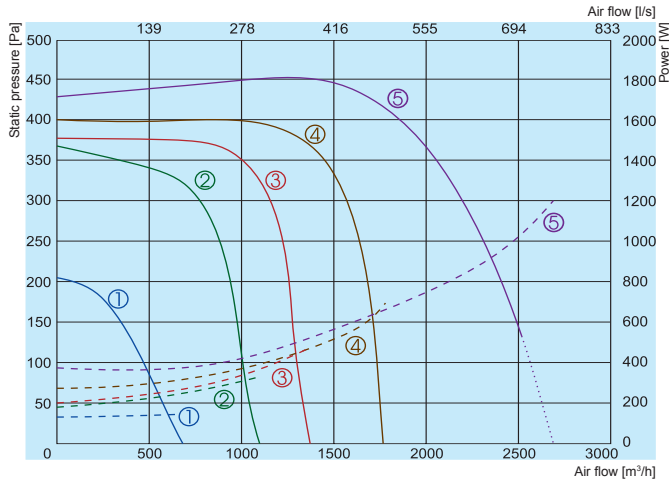
Measured at 1385 m³/h, 109 Pa

		500x250-4 L1	500x250-4 L3	500x300-4 L1	500x300-4 L3	500x300-6 L1
Voltage/Frequency	[V/Hz]	230/50	400/50	230/50	400/50	230/50
Power consumption	[kW]	0,50	0,56	0,63	1,007	0,267
Current	[A]	2,3	0,95	3,0	2,01	1,15
Speed	[min <sup>-1</sup> ]	1250	1270	1190	1380	790
Max. airflow	[m³/h]	1651	1875	1824	2672	1518
Min./Max. air temperature	[°C]	-25 / 40	-25 / 40	-25 / 40	-25 / 50	-25 / 50
Weight	[kg]	16 / 23	16 / 23	21 / 28	21 / 28	21 / 28
Wiring diagram		No. 1	No. 2	No. 1	No. 2	No. 1
Protection class:	motor	IP-54	IP-54	IP-54	IP-54	IP-54
	terminal box	IP-55	IP-55	IP-55	IP-55	IP-55
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.

# VKS/VKSA

## VKS/VKSA 600x300-4 L1



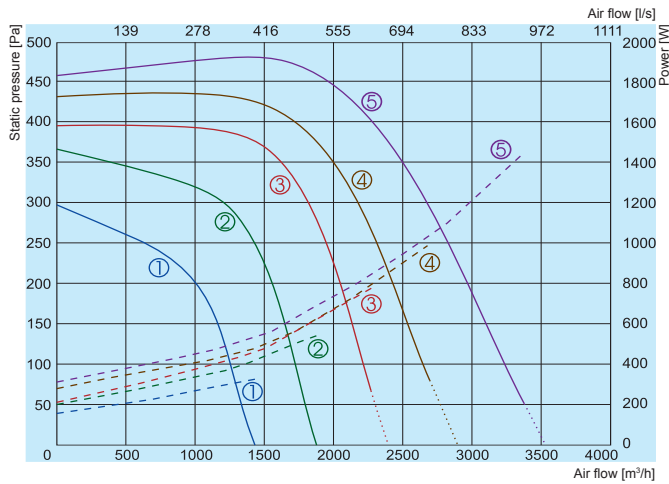
- Performance  
Power consumption  
Not operating zone
- ① 80V
  - ② 120V
  - ③ 140V
  - ④ 170V
  - ⑤ 230V

### 600x300-4 L1

	Lwa total, dB(A)	Lwa, dB(A)						
		125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
Inlet	70	59	54	61	66	64	61	58
Outlet	74	59	57	65	70	67	66	64
VKS surrounding	60	44	49	52	57	50	47	44
VKSA surrounding	52	37	41	44	48	44	41	36

Measured at 1417 m³/h, 455 Pa

## VKS/VKSA 600x300-4 L3



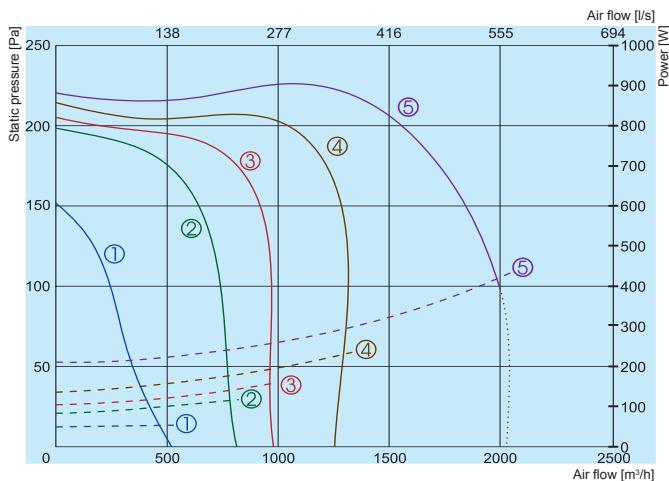
- Performance  
Power consumption  
Not operating zone
- ① 130V
  - ② 170V
  - ③ 220V
  - ④ 270V
  - ⑤ 400V

### 600x300-4 L3

	Lwa total, dB(A)	Lwa, dB(A)						
		125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
Inlet	75	64	58	65	70	69	66	62
Outlet	79	64	61	69	74	72	71	68
VKS surrounding	63	49	49	52	61	55	52	50
VKSA surrounding	56	42	42	46	53	48	45	43

Measured at 1686 m³/h, 483 Pa

## VKS/VKSA 600x300-6 L1



- Performance  
Power consumption  
Not operating zone
- ① 80V
  - ② 120V
  - ③ 140V
  - ④ 170V
  - ⑤ 230V

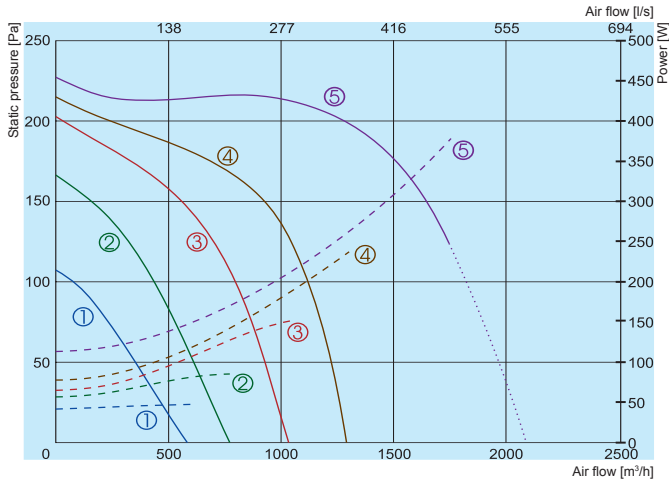
### 600x300-6 L1

	Lwa total, dB(A)	Lwa, dB(A)						
		125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
Inlet	78	65	62	69	71	73	70	65
Outlet	82	66	62	74	78	73	75	70
VKS surrounding	67	51	50	57	65	56	56	52
VKSA surrounding	58	43	46	50	54	52	49	45

Measured at 1985 m³/h, 100 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.

## VKS/VKSA 600x300-6 L3



Performance  
Power consumption  
Not operating zone

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

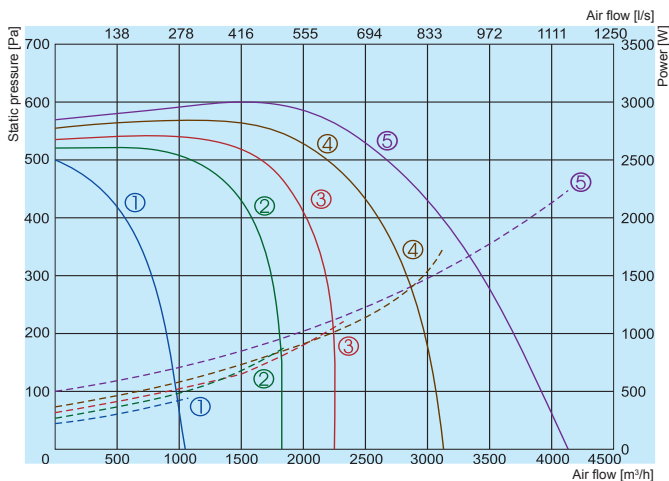
### 600x300-6 L3

	Lwa total, dB(A)	Lwa, dB(A)						
		125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
Inlet	75	63	60	67	69	71	66	62
Outlet	80	64	60	72	76	71	73	68
VKS surrounding	64	53	50	55	62	54	52	53
VKSA surrounding	57	40	42	50	53	48	47	43

Measured at 1744 m³/h, 125 Pa

		600x300-4 L1	600x300-4 L3	600x300-6 L1	600x300-6 L3
Voltage/Frequency	[V/Hz]	230/50	400/50	230/50	400/50
Power consumption	[kW]	1,011	1,50	0,422	0,378
Current	[A]	5,10	2,60	1,8	0,75
Speed	[min <sup>-1</sup> ]	1210	1310	700	780
Max. airflow	[m³/h]	2514	3356	1985	1744
Min./Max. air temperature	[°C]	-25 / 40	-25 / 40	-25 / 40	-25 / 40
Weight	[kg]	29 / 37	29 / 37	31 / 38	25 / 32
Wiring diagram		No. 1	No. 2	No. 1	No. 2
Protection class:	motor	IP-54	IP-54	IP-54	IP-54
	terminal box	IP-55	IP-55	IP-55	IP-55
Comply with ERP 2013		+	+	+	+

## VKS/VKSA 600x350-4 L1



Performance  
Power consumption

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

### 600x350-4 L1

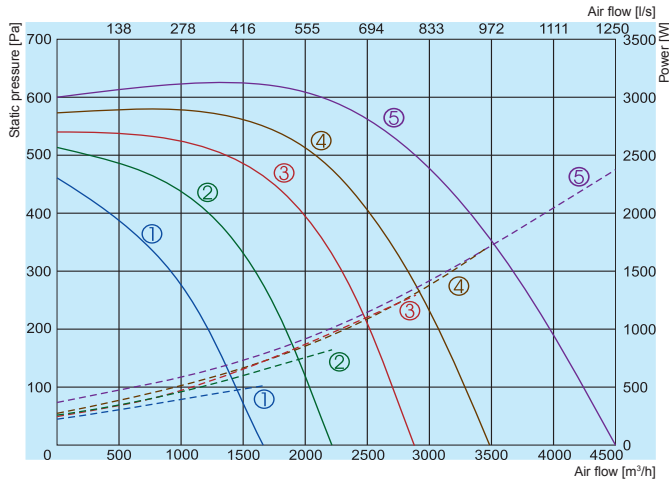
	Lwa total, dB(A)	Lwa, dB(A)						
		125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
Inlet	77	63	59	64	73	71	69	66
Outlet	81	63	62	70	78	74	73	70
VKS surrounding	64	50	47	54	61	57	56	53
VKSA surrounding	57	44	40	48	54	50	49	45

Measured at 2157 m³/h, 580 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.



## VKS/VKSA 600x350-4 L3



Performance  
Power consumption

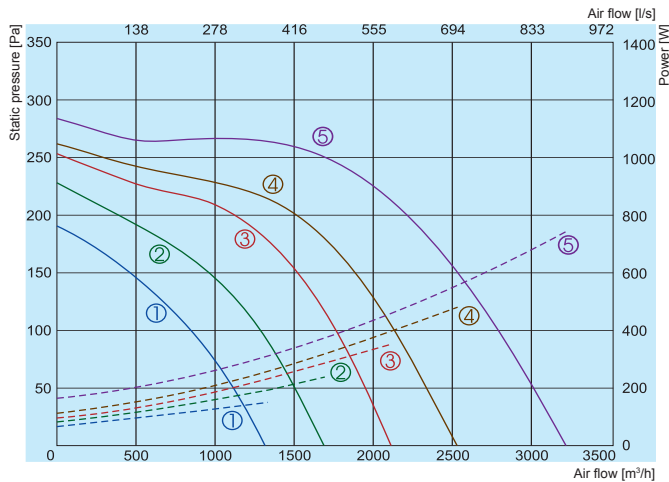
- ① 130V
- ② 170V
- ③ 220V
- ④ 270V
- ⑤ 400V

### 600x350-4 L3

	Lwa total, dB(A)	Lwa, dB(A)						
		125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
Inlet	76	61	59	64	72	69	67	64
Outlet	80	62	62	70	77	72	72	69
VKS surrounding	63	49	47	54	60	55	55	53
VKSA surrounding	56	41	40	47	53	48	48	46

Measured at 2193 m³/h, 600 Pa

## VKS/VKSA 600x350-6 L3



Performance  
Power consumption

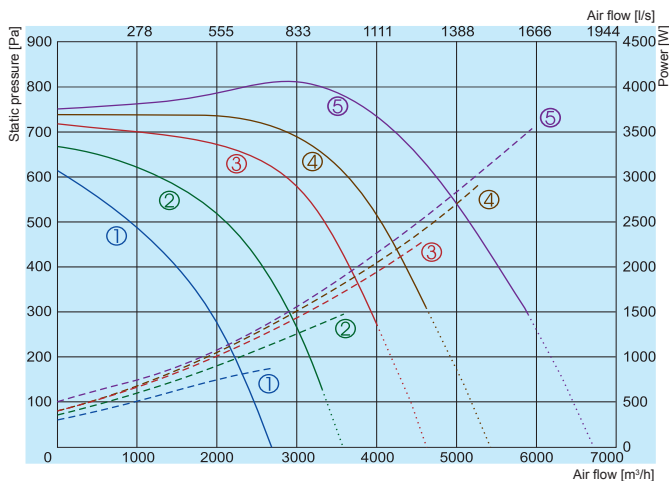
- ① 130V
- ② 170V
- ③ 220V
- ④ 270V
- ⑤ 400V

### 600x350-6 L3

	Lwa total, dB(A)	Lwa, dB(A)						
		125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
Inlet	77	56	65	67	72	72	68	64
Outlet	82	60	64	74	77	76	74	71
VKS surrounding	68	43	57	64	63	60	59	54
VKSA surrounding	59	40	45	52	56	50	51	47

Measured at 2760 m³/h, 100 Pa

## VKS/VKSA 700x400-4 L3



Performance  
Power consumption  
Not operating zone

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

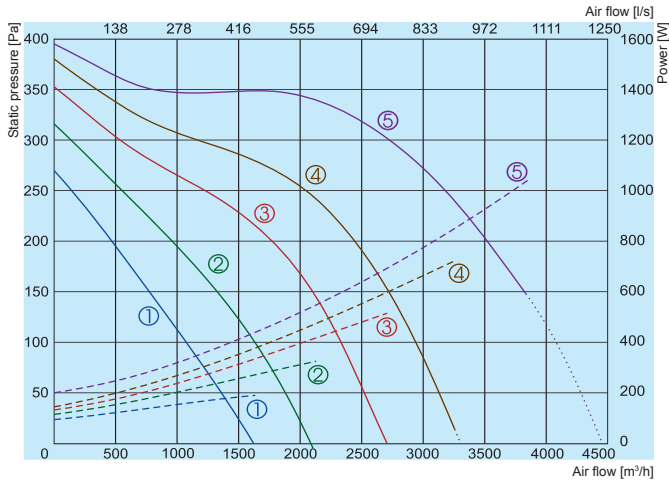
### 700x400-4 L3

	Lwa total, dB(A)	Lwa, dB(A)						
		125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
Inlet	79	60	66	68	76	73	69	67
Outlet	84	63	68	74	81	77	75	74
VKS surrounding	71	46	58	65	67	61	60	57
VKSA surrounding	62	41	49	55	58	54	52	50

Measured at 2845 m³/h, 824 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.

## VKS/VKSA 700x400-6 L3



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

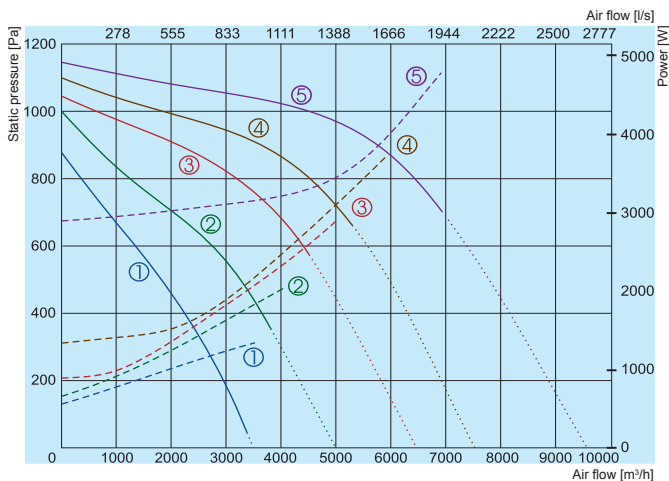
### 700x400-6 L3

	Lwa total, dB(A)	Lwa, dB(A)						
		125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
Inlet	81	62	61	69	79	70	70	66
Outlet	85	64	68	77	81	78	76	71
VKS surrounding	72	53	55	63	70	64	60	56
VKSA surrounding	64	45	46	56	62	52	52	49

Measured at 3652 m³/h, 182 Pa

		600x350-4 L1	600x350-4 L3	600x350-6 L3	700x400-4 L3	700x400-6 L3
Voltage/Frequency	[V/Hz]	230/50	400/50	400/50	400/50	400/50
Power consumption	[kW]	2,249	2,353	0,739	3,49	1,043
Current	[A]	10,3	4,03	1,5	6,0	2,0
Speed	[min <sup>-1</sup> ]	1340	1300	750	1320	790
Max. airflow	[m³/h]	4137	4535	3201	5901	3843
Min./Max. air temperature	[°C]	-25 / 40	-25 / 40	-25 / 40	-25 / 40	-25 / 40
Weight	[kg]	36 / 47	36 / 47	24/31	62 / 78	32 / 39
Wiring diagram		No. 1	No. 2	No. 2	No. 2	No. 2
Protection class:	motor	IP-54	IP-54	IP-54	IP-54	IP-54
	terminal box	IP-55	IP-55	IP-55	IP-55	IP-55
Comply with ERP 2013		+	+	+	+	+

## VKS/VKSA 800x500-4 L3



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

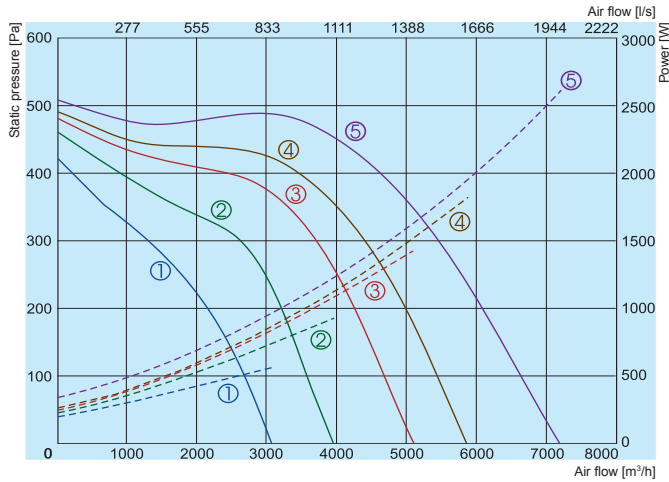
### 800x500-4 L3

	Lwa total, dB(A)	Lwa, dB(A)						
		125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
Inlet	82	65	64	69	80	74	71	69
Outlet	86	68	69	75	83	79	77	74
VKS surrounding	71	54	54	62	68	62	59	57
VKSA surrounding	65	48	50	56	63	56	53	52

Measured at 4129 m³/h, 660 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.

## VKS/VKSA 800x500-6 L3



Performance  
Power consumption

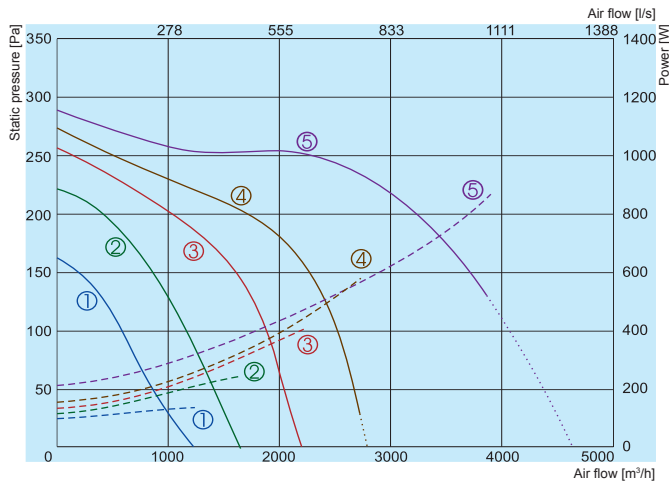
- ① 130V
- ② 170V
- ③ 220V
- ④ 270V
- ⑤ 400V

### 800x500-6 L3

	Lwa total, dB(A)	LWA, dB(A)						
		125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
Inlet	89	75	69	76	87	79	74	78
Outlet	92	77	75	83	89	83	82	82
VKS surrounding	76	58	61	69	72	69	66	62
VKSA surrounding	72	53	54	64	70	60	60	57

Measured at 6622 m³/h, 100 Pa

## VKS/VKSA 800x500-8 L3



Performance  
Power consumption  
Not operating zone

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

### 800x500-8 L3

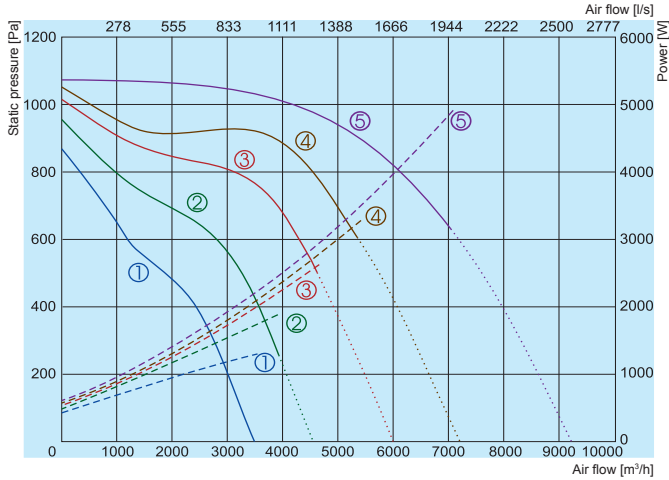
	Lwa total, dB(A)	LWA, dB(A)						
		125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
Inlet	81	64	63	67	79	73	72	68
Outlet	85	67	68	74	81	80	78	72
VKS surrounding	70	52	53	63	66	62	60	56
VKSA surrounding	64	47	49	54	61	57	54	50

Measured at 3893 m³/h, 130 Pa

		800x500-4 L3	800x500-6 L3	800x500-8 L3
Voltage/Frequency	[V/Hz]	400/50	400/50	400/50
Power consumption	[kW]	4,745	2,6	0,865
Current	[A]	8,10	5,01	1,65
Speed	[min <sup>-1</sup> ]	1330	830	580
Max. airflow	[m³/h]	4403	7184	3893
Max. air temperature	[°C]	-25 / 40	-25 / 40	-25 / 40
Weight	[kg]	85 / 99	52 / 59	63 / 70
Wiring diagram		No. 2	No. 2	No. 2
Protection class:	motor	IP-54	IP-54	IP-54
	terminal box	IP-55	IP-55	IP-55
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.

## VKS/VKSA 1000x500-4 L3



Performance  
Power consumption  
Not operating zone

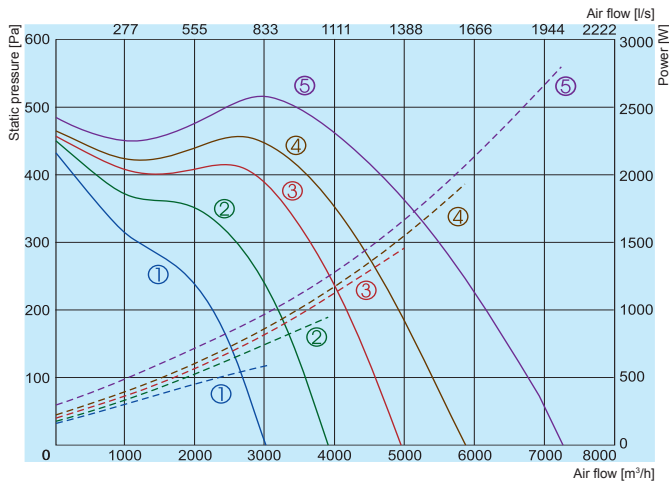
- ① 130V
- ② 170V
- ③ 220V
- ④ 270V
- ⑤ 400V

### 1000x500-4 L3

	Lwa total, dB(A)	Lwa, dB(A)						
		125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
Inlet	79	64	64	68	76	73	69	67
Outlet	86	67	69	77	83	79	76	72
VKS surrounding	72	55	55	65	69	62	59	57
VKSA surrounding	66	49	51	59	63	56	53	50

Measured at 6131 m³/h, 801 Pa

## VKS/VKSA 1000x500-6 L3



Performance  
Power consumption

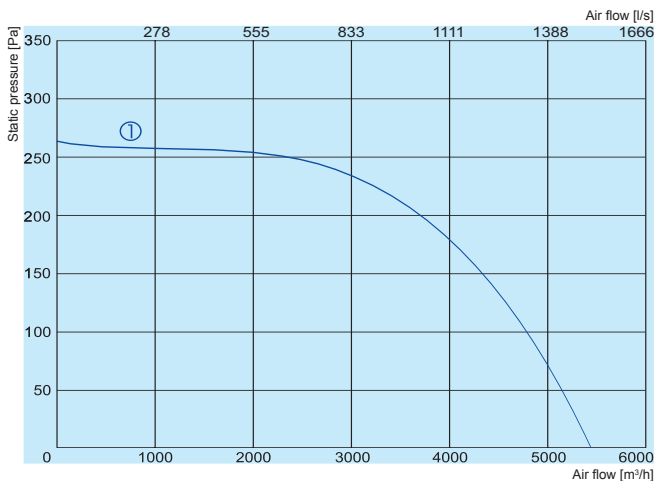
- ① 130V
- ② 170V
- ③ 220V
- ④ 270V
- ⑤ 400V

### 1000x500-6 L3

	Lwa total, dB(A)	Lwa, dB(A)						
		125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
Inlet	88	76	68	77	86	80	75	74
Outlet	92	80	75	85	89	84	81	81
VKS surrounding	76	57	62	70	70	70	67	61
VKSA surrounding	71	51	55	65	68	61	61	56

Measured at 6775 m³/h, 101 Pa

## VKS/VKSA 1000x500-8 L3



- ① 400V

### 1000x500-8 L3

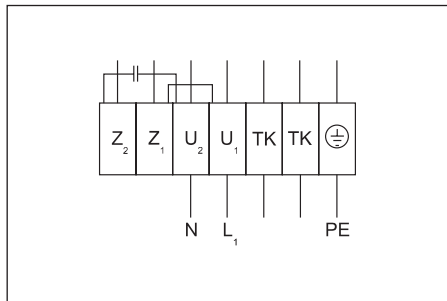
	Lwa total, dB(A)	Lwa, dB(A)						
		125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
Inlet	83	66	65	70	81	75	72	70
Outlet	87	69	70	76	84	80	78	75
VKS surrounding	71	55	54	63	69	62	60	56
VKSA surrounding	66	49	51	56	64	57	53	50

Measured at 4380 m³/h, 130 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.

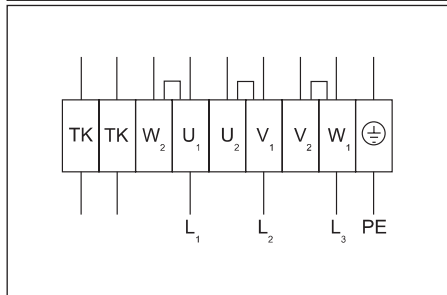
The company reserves the right to make changes of technical data without prior notice

		1000x500-4 L3	1000x500-6 L3	1000x500-8 L3
Voltage/Frequency	[V/Hz]	400/50	400/50	400/50
Power consumption	[kW]	4,806	2,787	1,14
Current	[A]	8,10	5,2	2,40
Speed	[min <sup>-1</sup> ]	1330	830	580
Max. airflow	[m <sup>3</sup> /h]	7030	7265	5380
Max. air temperature	[°C]	-25 / 40	-25 / 40	-25 / 40
Weight	[kg]	88 / 111	53 / 60	64 / 71
Wiring diagram		No. 2	No. 2	No. 2
Protection class:	motor	IP-54	IP-54	IP-54
	terminal box	IP-55	IP-55	IP-55
Comply with ERP 2013		+	+	+



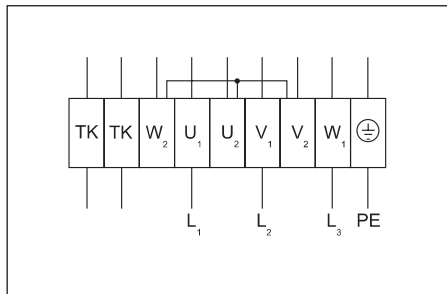
**Wiring diagram No. 1 (1~230V)**

- U<sub>1</sub> - brown
- U<sub>2</sub> - blue
- Z<sub>1</sub> - black
- Z<sub>2</sub> - orange
- TK - white
- PE - green-yellow



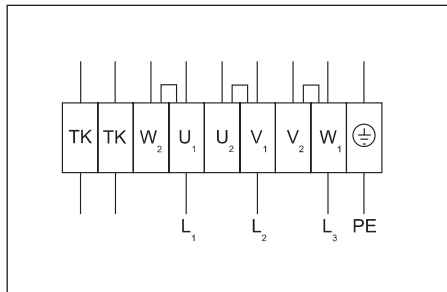
**Wiring diagram No. 2 (Y - 3~400V)**

- U<sub>1</sub> - brown
- U<sub>2</sub> - red
- V<sub>1</sub> - blue
- V<sub>2</sub> - grey
- W<sub>1</sub> - black
- W<sub>2</sub> - orange
- TK - white
- PE - green-yellow



**Wiring diagram No. 2 (Δ - 3~230V)**

- U<sub>1</sub> - brown
- U<sub>2</sub> - red
- V<sub>1</sub> - blue
- V<sub>2</sub> - grey
- W<sub>1</sub> - black
- W<sub>2</sub> - orange
- TK - white
- PE - green-yellow



**Wiring diagram No. 3 (Δ - 3~400V)**

- U<sub>1</sub> - brown
- U<sub>2</sub> - red
- V<sub>1</sub> - blue
- V<sub>2</sub> - grey
- W<sub>1</sub> - black
- W<sub>2</sub> - orange
- TK - white
- PE - green-yellow