

Series  
VENTS VKM 100-315



Series  
VENTS VKM 355-450



In-line centrifugal fans in steel casing with the air capacity up to 5260 m<sup>3</sup>/h

■ Applications

Supply and exhaust systems for various premises. The steel casing provides reliable operation in case of outdoor installation. For premises with high requirements to the noise level we suggest units in low-noise modification (VKM...Q).

■ Design

The fan casing is made of steel with polymeric coating. For easy connection and operation the power cord with a plug can be provided (VKM...R).

■ Motor

The impeller with backward curved blades is powered by the single-phase motor with external rotor and overheating protection with automatic restart. Some standard sizes are available is high-powered modifications (VKMS). The motor is equipped with ball bearings for long service life designed for at least

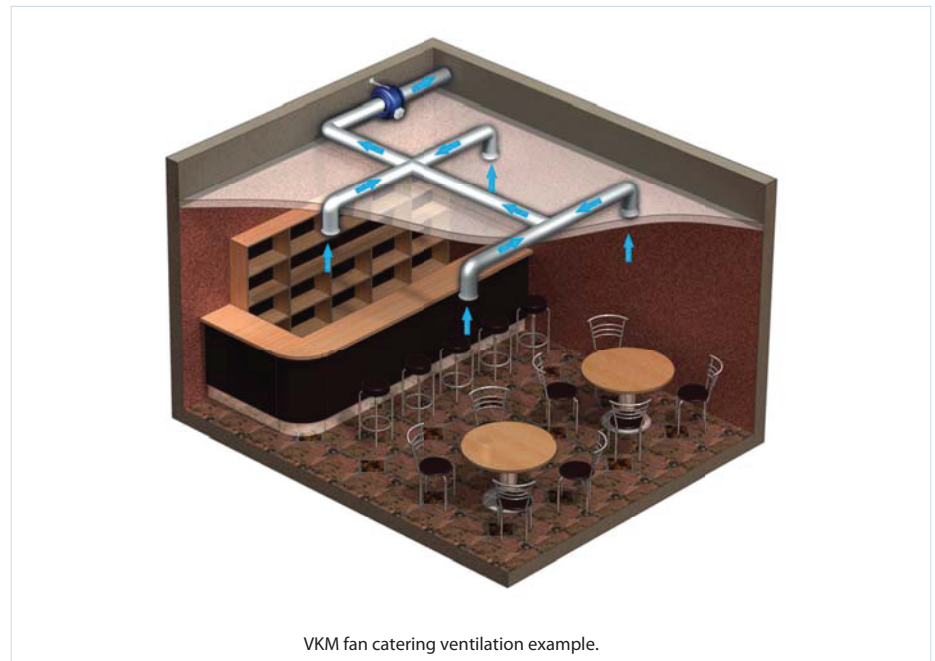
40 000 hours. For precise features, safe operation and low noise, each turbine is dynamically balanced while assembly. Motor protection rating IP 44.

■ Speed control

Smooth or step speed control is performed with thyristor or autotransformer controller. Several fans can be connected to one controller in case the total power and operating current do not exceed the controller rated values.

■ Mounting

Mounting to wall or ceiling at any angle is performed with fastening brackets supplied with the unit. The fan is powered through the external terminal box. Electric connection and installation shall be performed in compliance with the manual and wiring diagram on the terminal box.



VKM fan catering ventilation example.

Designation key: \_\_\_\_\_

Fan series		Duct diameter	Additional options
VENTS VKM	S – high-powered motor	100; 125; 150; 160; 200; 250; 315; 355; 400; 450	Q – low-noise design; P – supply cable with a C14 plug

Accessories

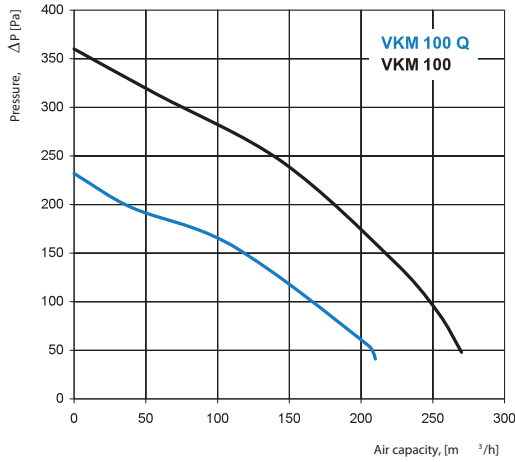


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# FANS FOR ROUND DUCTS

## VENTS VKM



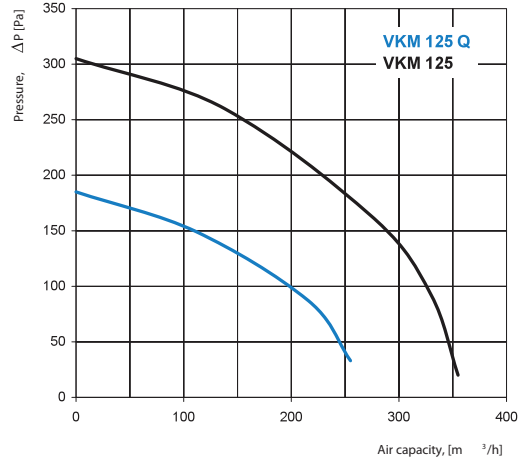
VKM 100 Q

Sound-power level	Hz	Octave-frequency band [Hz]								
		Gen	63	125	250	500	1000	2000	4000	8000
L <sub>WA</sub> to inlet	dBA	64	48	57	57	59	51	47	40	28
L <sub>WA</sub> to outlet	dBA	64	52	62	56	57	50	46	39	32
L <sub>WA</sub> to environment	dBA	57	23	13	23	38	42	42	31	15

VKM 100

Sound-power level	Hz	Octave-frequency band [Hz]								
		Gen	63	125	250	500	1000	2000	4000	8000
L <sub>WA</sub> to inlet	dBA	73	47	63	67	68	60	55	54	38
L <sub>WA</sub> to outlet	dBA	77	54	66	73	66	66	60	55	46
L <sub>WA</sub> to environment	dBA	63	45	60	55	41	25	7	18	22

## VENTS VKM



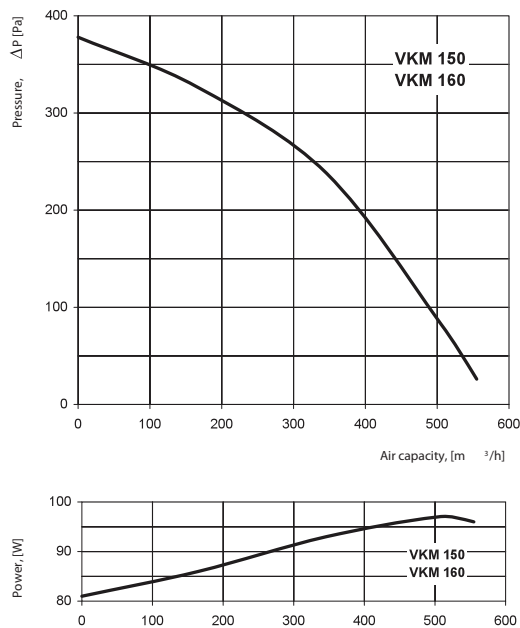
VKM 125 Q

Sound-power level	Hz	Octave-frequency band [Hz]								
		Gen	63	125	250	500	1000	2000	4000	8000
L <sub>WA</sub> to inlet	dBA	60	34	51	53	56	46	43	34	29
L <sub>WA</sub> to outlet	dBA	62	33	52	59	58	51	49	41	32
L <sub>WA</sub> to environment	dBA	65	44	61	59	43	30	17	30	28

VKM 125

Sound-power level	Hz	Octave-frequency band [Hz]								
		Gen	63	125	250	500	1000	2000	4000	8000
L <sub>WA</sub> to inlet	dBA	73	54	67	68	67	64	61	51	41
L <sub>WA</sub> to outlet	dBA	76	57	69	68	72	71	65	57	45
L <sub>WA</sub> to environment	dBA	62	51	61	60	46	36	22	31	27

## VENTS VKM



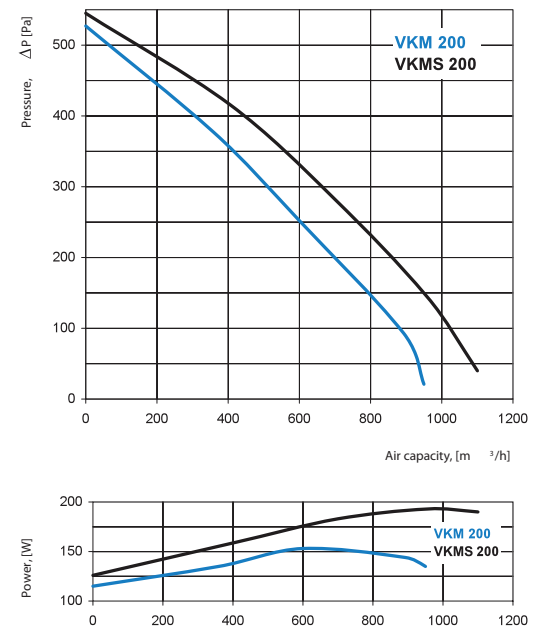
VKM 150

Sound-power level	Hz	Octave-frequency band [Hz]								
		Gen	63	125	250	500	1000	2000	4000	8000
L <sub>WA</sub> to inlet	dBA	72	45	65	62	67	59	59	49	38
L <sub>WA</sub> to outlet	dBA	74	42	69	63	71	63	59	50	37
L <sub>WA</sub> to environment	dBA	62	41	59	55	39	19	17	28	22

VKM 160

Sound-power level	Hz	Octave-frequency band [Hz]								
		Gen	63	125	250	500	1000	2000	4000	8000
L <sub>WA</sub> to inlet	dBA	68	41	65	64	63	61	57	47	35
L <sub>WA</sub> to outlet	dBA	70	47	67	68	66	64	60	51	41
L <sub>WA</sub> to environment	dBA	60	40	61	55	39	18	16	28	22

## VENTS VKM



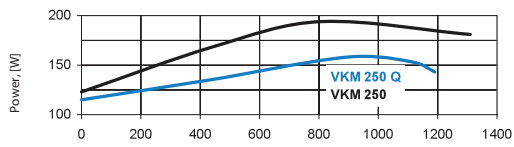
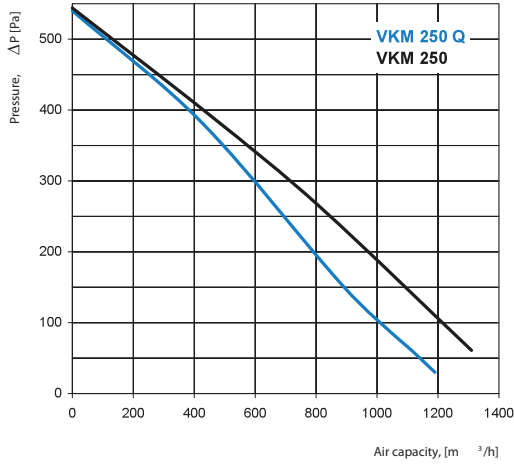
VKM 200

Sound-power level	Hz	Octave-frequency band [Hz]								
		Gen	63	125	250	500	1000	2000	4000	8000
L <sub>WA</sub> to inlet	dBA	75	47	68	65	72	65	61	59	49
L <sub>WA</sub> to outlet	dBA	75	51	72	68	75	67	65	59	50
L <sub>WA</sub> to environment	dBA	65	46	61	59	47	31	28	46	42

VKMS 200

Sound-power level	Hz	Octave-frequency band [Hz]								
		Gen	63	125	250	500	1000	2000	4000	8000
L <sub>WA</sub> to inlet	dBA	75	48	66	72	73	66	63	58	49
L <sub>WA</sub> to outlet	dBA	78	51	70	74	71	64	64	50	53
L <sub>WA</sub> to environment	dBA	66	49	64	60	45	35	28	46	41

**VENTS VKM**



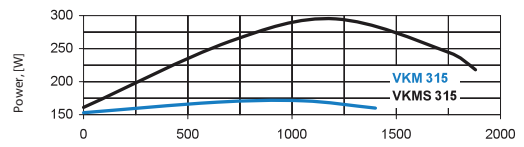
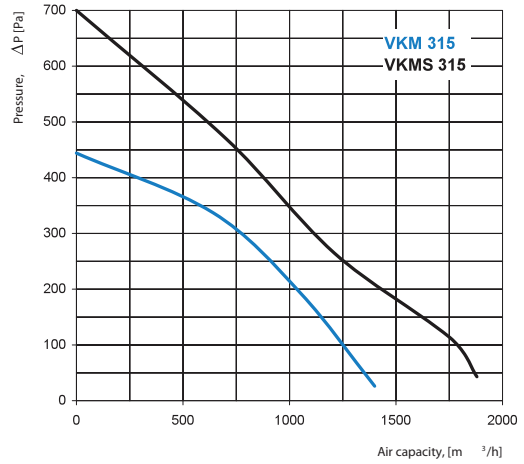
**VKM 250 Q**

Sound-power level		Octave-frequency band [Hz]									
		Hz	Gen	63	125	250	500	1000	2000	4000	8000
L <sub>WA</sub> to inlet	dBA	68	46	57	60	65	62	58	60	54	
L <sub>WA</sub> to outlet	dBA	75	44	59	64	65	67	65	68	59	
L <sub>WA</sub> to environment	dBA	60	44	57	52	47	36	39	51	45	

**VKM 250**

Sound-power level		Octave-frequency band [Hz]									
		Hz	Gen	63	125	250	500	1000	2000	4000	8000
L <sub>WA</sub> to inlet	dBA	75	60	68	65	67	66	60	53	48	
L <sub>WA</sub> to outlet	dBA	77	62	71	74	70	71	69	59	50	
L <sub>WA</sub> to environment	dBA	65	57	62	60	50	43	37	45	38	

**VENTS VKM**



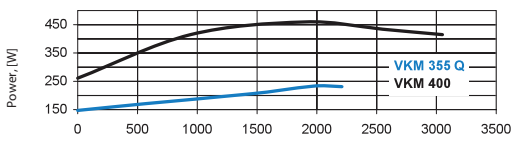
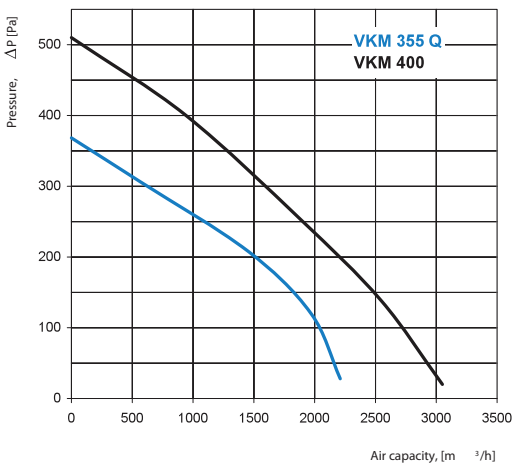
**VKM 315**

Sound-power level		Octave-frequency band [Hz]									
		Hz	Gen	63	125	250	500	1000	2000	4000	8000
L <sub>WA</sub> to inlet	dBA	71	35	51	61	69	66	62	59	56	
L <sub>WA</sub> to outlet	dBA	75	42	58	62	71	69	67	59	57	
L <sub>WA</sub> to environment	dBA	60	34	49	56	50	44	49	53	50	

**VKMS 315**

Sound-power level		Octave-frequency band [Hz]									
		Hz	Gen	63	125	250	500	1000	2000	4000	8000
L <sub>WA</sub> to inlet	dBA	77	54	67	72	70	67	67	64	56	
L <sub>WA</sub> to outlet	dBA	81	54	71	72	71	69	72	64	60	
L <sub>WA</sub> to environment	dBA	68	56	66	62	57	47	54	55	51	

**VENTS VKM**



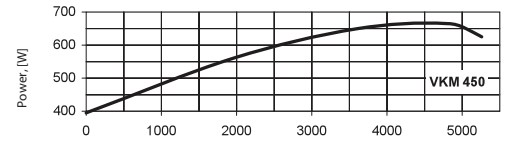
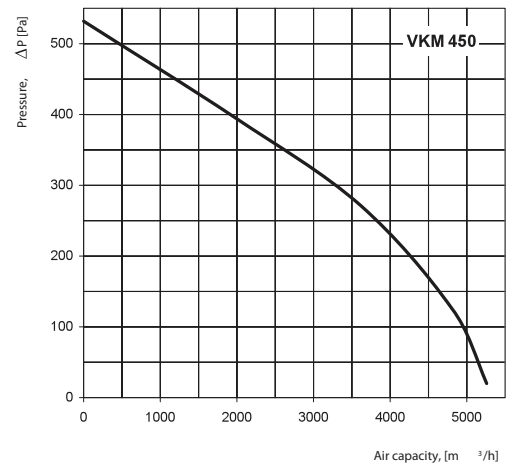
**VKM 355 Q**

Sound-power level		Octave-frequency band [Hz]									
		Hz	Gen	63	125	250	500	1000	2000	4000	8000
L <sub>WA</sub> to inlet	dBA	66	54	49	56	63	61	58	56	46	
L <sub>WA</sub> to outlet	dBA	63	53	53	62	61	58	52	51	43	
L <sub>WA</sub> to environment	dBA	53	50	48	49	49	45	39	36	24	

**VKM 400**

Sound-power level		Octave-frequency band [Hz]									
		Hz	Gen	63	125	250	500	1000	2000	4000	8000
L <sub>WA</sub> to inlet	dBA	68	53	48	56	59	58	60	55	48	
L <sub>WA</sub> to outlet	dBA	65	52	55	62	62	58	56	51	41	
L <sub>WA</sub> to environment	dBA	56	47	47	49	47	43	42	37	25	

**VENTS VKM**



**VKM 450**

Sound-power level		Octave-frequency band [Hz]									
		Hz	Gen	63	125	250	500	1000	2000	4000	8000
L <sub>WA</sub> to inlet	dBA	64	51	50	55	60	60	60	53	44	
L <sub>WA</sub> to outlet	dBA	64	52	51	61	61	60	56	51	41	
L <sub>WA</sub> to environment	dBA	54	46	48	51	47	44	42	37	24	