

**AXIAL FAN**

Series  
**VENTS OV**



Axial fans of low pressure in steel case with the efficiency up to **11900 m<sup>3</sup>/h** for a wall-mounted assembly

Series  
**VENTS OVK**



Axial fans of low pressure in steel case with the efficiency up to **11900 m<sup>3</sup>/h** for a wall-mounted assembly.

Series  
**VENTS VKF**



Axial fans of low pressure in steel case with the efficiency up to **11900 m<sup>3</sup>/h** for a vent duct assembly

■ **Application**

Combined supply and extract ventilation systems of premises for different destinations, where a high air flow capacity are required at relatively low resistance of the system. OV and OVK fans series can be used for the direct ejection of the exhaust air or static suction head ventilation in fire-prevention ventilation systems. It is possible to install OV and OVK fans series on external walls.

■ **Design**

The fan case and the impeller are made of steel body with polymeric covering. Terminal box of fans OV and OVK series has a cord for remote connecting. The fan

VKF has an outward terminal block, mounted on the fan housing.

■ **Motor**

Two- and four-pole of one- or three-phase asynchronous motors equipped with built-in thermal protection on automatic restart are used. Application in the motors of ball bearings provides a long service life (40 000 hours). Class of motor protection is IP 44.

■ **Speed control**

Smooth or step speed control is performed with thyristor or autotransformer controller. Several fans may be connected to one controller in case total

power and operating current will not exceed rated values of controller (refer to the section "Electronic Control Devices").

■ **Mounting**

A fan is mounted on the wall with rectangular (OV series) or circular (OVK series) of joining plate. The VKF fan is set in a duct through connecting flanges. Fan is powered through a remote terminal box. Power connection and installation should be accomplished according to the manual and circuit scheme on a terminal block.

**Legend:**

Series and variant of design	Motor		Flange diameter
<b>VENTS OV</b> – with a rectangular assembling plate	Poles	Phases	200; 250; 300; 350; 400; 450; 500; 550; 630
<b>VENTS OVK</b> – with a circular assembling plate	2	E – one-phase	
<b>VENTS VKF</b> – for air duct assembly	4	Д – three-phase	

**Accessories**



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	<b>OV / OVK / VKF 2E 200</b>	<b>OV / OVK / VKF 2E 250</b>	<b>OV / OVK / VKF 4E 250</b>	<b>OV / OVK / VKF 2E 300</b>	<b>OV / OVK / VKF 4E 300</b>	<b>OV / OVK / VKF 4E 350</b>
Voltage, V/50Hz	230	230	230	230	230	230
Power consumption, W	55	80	50	145	75	140
Current, A	0,26	0,4	0,22	0,66	0,35	0,65
Maximum air consumption, m <sup>3</sup> /h	860	1050	800	2230	1340	2500
RPM	2300	2400	1380	2300	1350	1380
Noise level at 3 m, dBA	50	60	55	60	58	62
Maximal temperature of transferred air, °C	-30 +60	-30 +60	-30 +60	-30 +60	-30 +60	-30 +60
Index of protection	IP 54	IP 54	IP 54	IP 54	IP 54	IP 54

	<b>OV / OVK / VKF 4E 400</b>	<b>OV / OVK / VKF 4E 450</b>	<b>OV / OVK / VKF 4E 500</b>	<b>OV / OVK / VKF 4E 550</b>	<b>OV / OVK / VKF 4E 630</b>
Voltage, V/50Hz	230	230	230	230	230
Power consumption, W	180	250	420	550	750
Current, A	0,82	1,2	1,95	2,55	3,5
Maximum air consumption, m <sup>3</sup> /h	3580	4680	7060	8800	11900
RPM	1380	1350	1300	1300	1360
Noise level at 3 m, dBA	63	64	69	70	75
Maximal temperature of transferred air, °C	-30 +60	-30 +60	-30 +60	-30 +60	-30 +60
Index of protection	IP 54	IP 54	IP 54	IP 54	IP 54

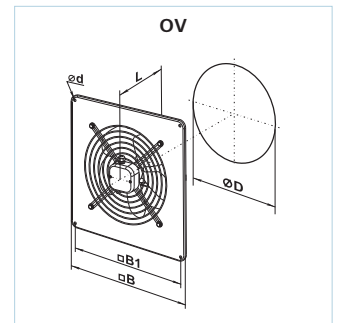
	<b>OV / OVK / VKF 2D 250</b>	<b>OV / OVK / VKF 4D 250</b>	<b>OV / OVK / VKF 2D 300</b>	<b>OV / OVK / VKF 4D 300</b>	<b>OV / OVK / VKF 4D 350</b>	<b>OV / OVK / VKF 4D 400</b>	<b>OV / OVK / VKF 4D 450</b>
Voltage, V/50Hz	400	400	400	400	400	400	400
Power consumption, W	80	60	145	75	140	180	250
Current, A	0,22	0,17	0,25	0,22	0,38	0,47	0,6
Maximum air consumption, m <sup>3</sup> /h	1060	850	2310	1310	2520	3740	5280
RPM	2600	1400	2350	1380	1380	1380	1360
Noise level at 3 m, dBA	60	55	60	58	62	64	65
Maximal temperature of transferred air, °C	-30 +60	-30 +60	-30 +60	-30 +60	-30 +60	-30 +60	-30 +60
Index of protection	IP 54	IP 54	IP 54	IP 54	IP 54	IP 54	IP 54



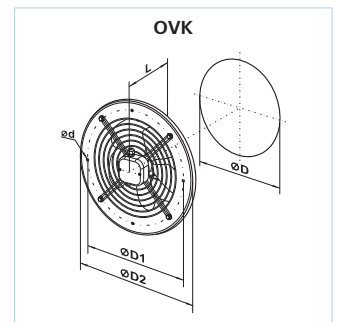
**VENTS OV**  
**VENTS OVK**  
**VENTS VKF**  
 FAN SERIES

## AXIAL FAN

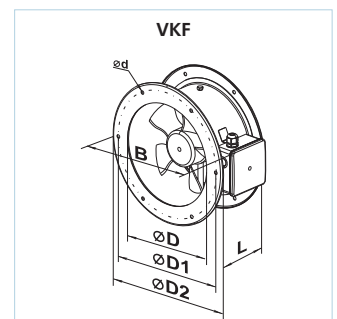
Type	Dimensions, mm					Weight, kg
	∅D	∅d	B	B1	L	
OV 2E 200	210	7	312	260	145	3,0
OV 2E 250	260	7	370	320	155	4,0
OV 4E 250	260	7	370	320	155	3,5
OV 2E 300	326	9	430	380	195	6,1
OV 4E 300	326	9	430	380	195	5,0
OV 4E 350	388	9	485	435	200	7,8
OV 4E 400	417	9	540	490	240	8,8
OV 4E 450	465	11	576	535	250	10,5
OV 4E 500	520	11	655	615	260	14,0
OV 4E 550	570	11	725	675	280	16,5
OV 4E 630	650	11	800	710	295	20,0
OV 2D 250	260	7	370	320	155	4,0
OV 4D 250	260	7	370	320	155	3,5
OV 2D 300	326	9	430	380	155	5,4
OV 4D 300	326	9	430	380	155	5,4
OV 4D 350	388	9	485	435	200	7,8
OV 4D 400	417	9	540	490	240	8,8
OV 4D 450	465	11	576	535	250	10,5

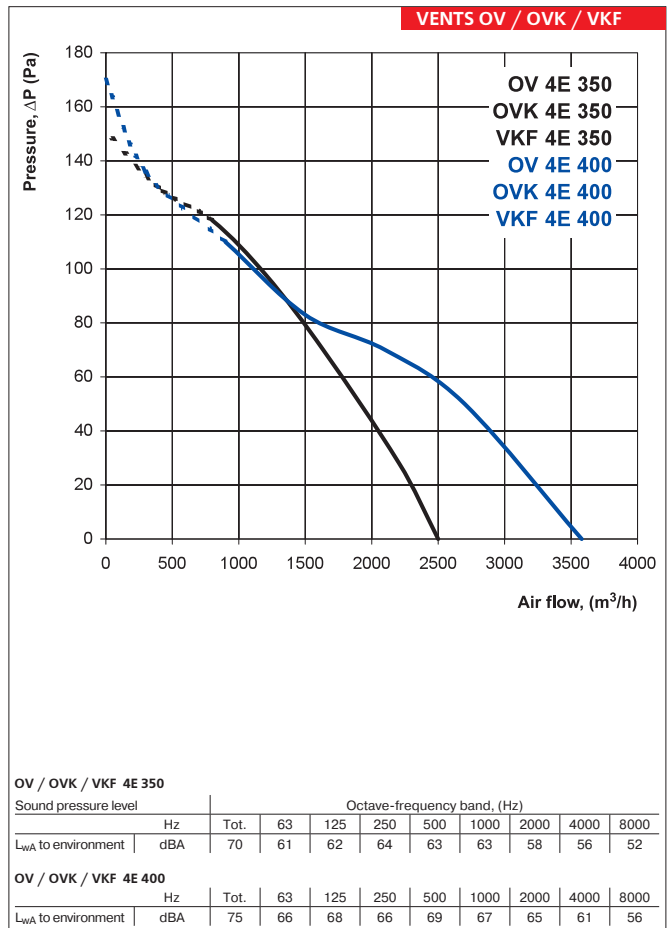
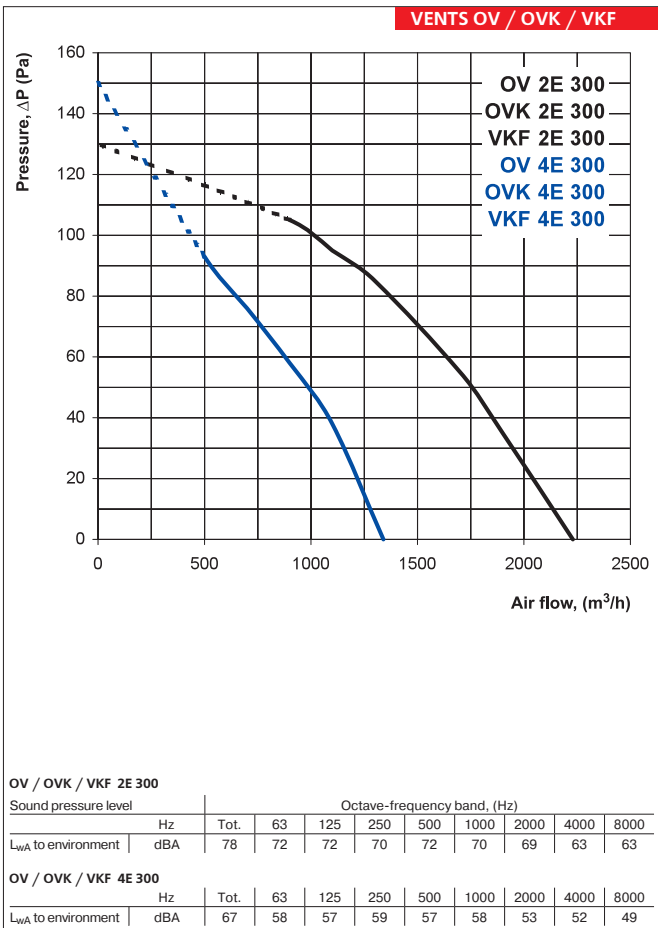
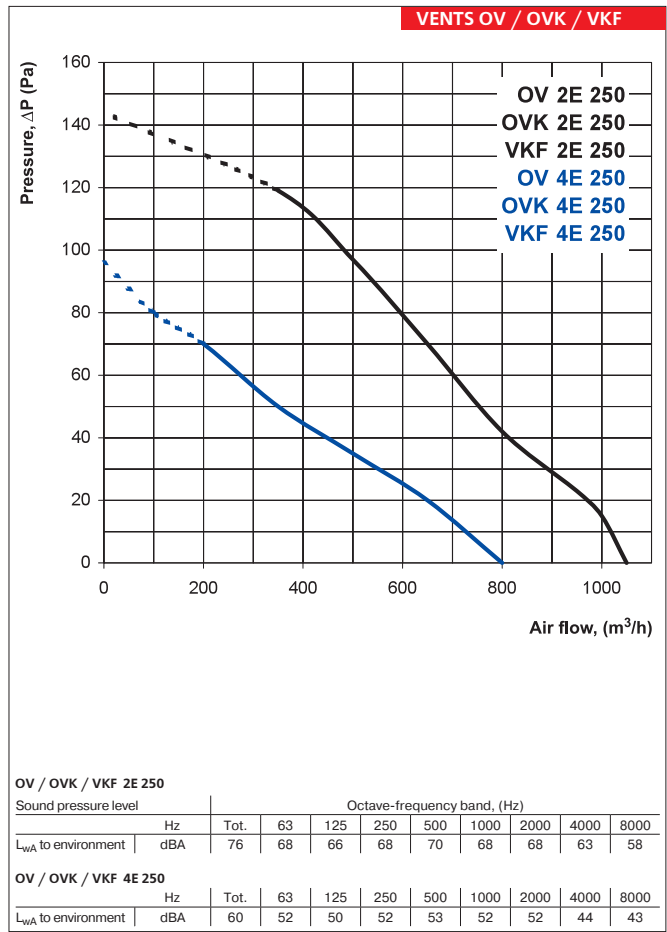
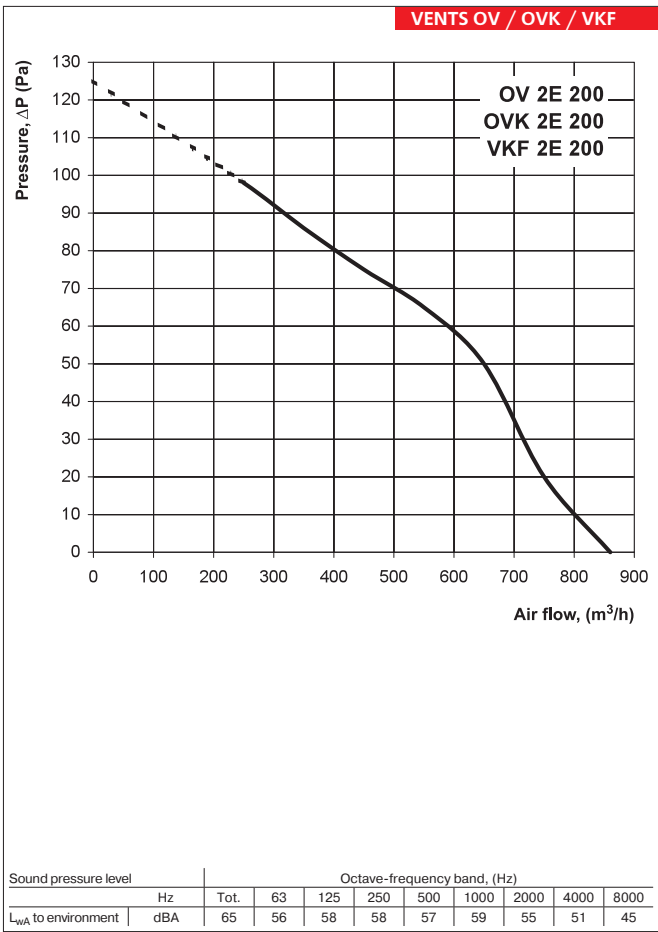


Type	Dimensions, mm					Weight, kg
	∅D	∅D1	∅D2	∅d	L	
OVK 2E 200	210	250	280	7	145	2,8
OVK 2E 250	260	295	320	7	155	3,8
OVK 4E 250	260	295	320	7	155	3,4
OVK 2E 300	326	380	397	9	195	5,9
OVK 4E 300	326	380	397	9	195	5,0
OVK 4E 350	388	442	460	9	200	7,5
OVK 4E 400	417	504	528	9	240	8,5
OVK 4E 450	465	578	607	11	250	10,0
OVK 4E 500	520	590	655	11	260	14,0
OVK 4E 550	570	645	710	11	280	16,5
OVK 4E 630	650	760	800	11	295	20,0
OVK 2D 250	260	295	320	7	155	3,8
OVK 4D 250	260	295	320	7	155	3,4
OVK 2D 300	326	380	397	9	155	5,1
OVK 4D 300	326	380	397	9	155	5,1
OVK 4D 350	388	442	460	9	200	7,5
OVK 4D 400	417	504	528	9	240	8,5
OVK 4D 450	465	578	607	11	250	10,0



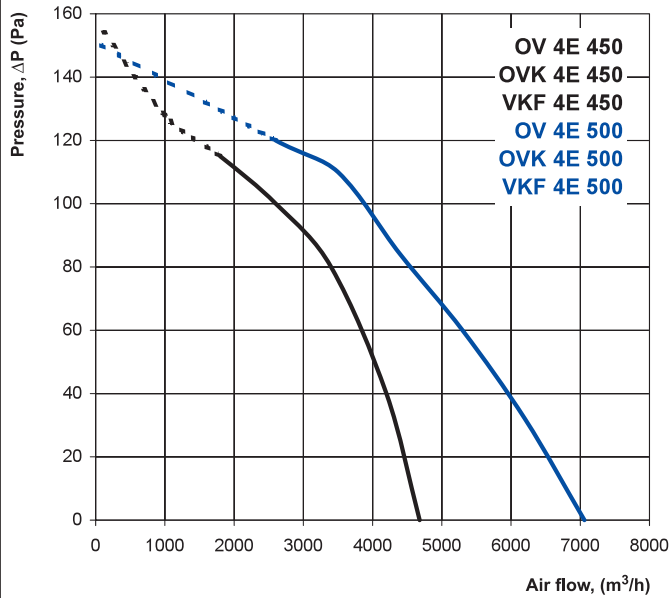
Type	Dimensions, mm						Weight, kg
	∅D	∅D1	∅D2	∅d	B	L	
VKF 2E 200	205	250	280	7	290	120	3,1
VKF 2E 250	260	295	320	7	340	150	4,0
VKF 4E 250	260	295	320	7	340	150	4,1
VKF 2E 300	310	380	397	9	420	160	6,5
VKF 4E 300	310	380	397	9	420	160	6,5
VKF 4E 350	362	442	460	9	480	160	8,1
VKF 4E 400	412	504	528	9	550	170	9,1
VKF 4E 450	462	578	607	11	630	200	10,6
VKF 4E 500	515	600	650	11	635	220	12,8
VKF 4E 550	565	650	700	13	685	230	15,5
VKF 4E 630	645	740	790	13	780	230	18,5
VKF 2D 250	260	295	320	7	340	150	4,0
VKF 4D 250	260	295	320	7	340	150	4,1
VKF 2D 300	310	380	397	9	420	160	6,0
VKF 4D 300	310	380	397	9	420	160	6,0
VKF 4D 350	362	442	460	9	480	160	8,1
VKF 4D 400	412	504	528	9	550	170	9,1
VKF 4D 450	462	578	607	11	630	200	10,6





VENTS OV  
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VENTS OV / OVK / VKF



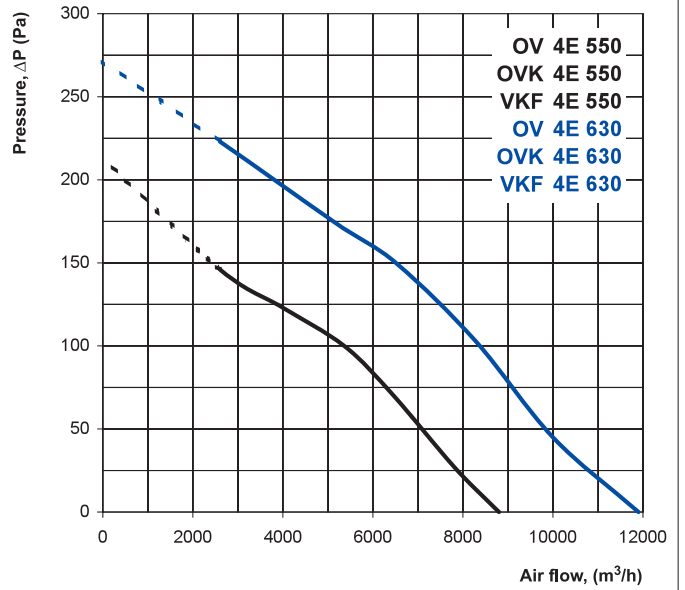
OV / OVK / VKF 4E 450

Sound pressure level	Hz	Tot.	Octave-frequency band, (Hz)							
			63	125	250	500	1000	2000	4000	8000
$L_{WA}$ to environment	dB(A)	77	69	70	73	73	71	67	67	61

OV / OVK / VKF 4E 500

Sound pressure level	Hz	Tot.	Octave-frequency band, (Hz)							
			63	125	250	500	1000	2000	4000	8000
$L_{WA}$ to environment	dB(A)	80	71	73	72	74	73	70	67	63

VENTS OV / OVK / VKF



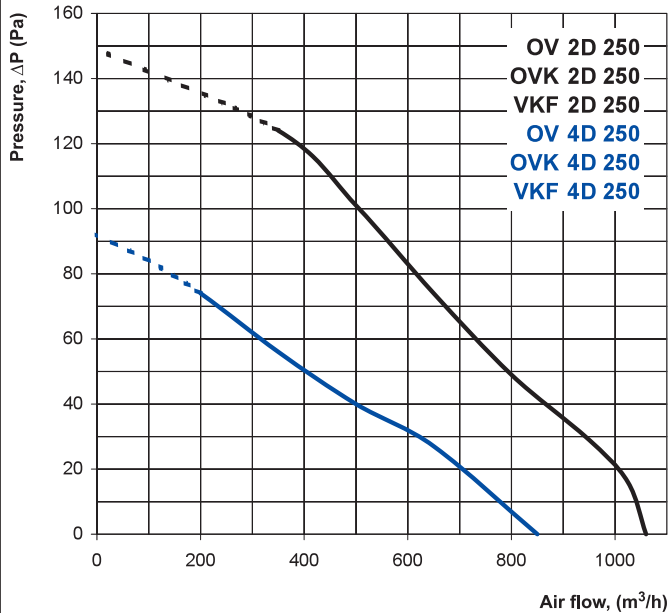
OV / OVK / VKF 4E 550

Sound pressure level	Hz	Tot.	Octave-frequency band, (Hz)							
			63	125	250	500	1000	2000	4000	8000
$L_{WA}$ to environment	dB(A)	83	73	75	73	75	74	72	66	63

OV / OVK / VKF 4E 630

Sound pressure level	Hz	Tot.	Octave-frequency band, (Hz)							
			63	125	250	500	1000	2000	4000	8000
$L_{WA}$ to environment	dB(A)	77	71	73	72	73	71	70	63	59

VENTS OV / OVK / VKF



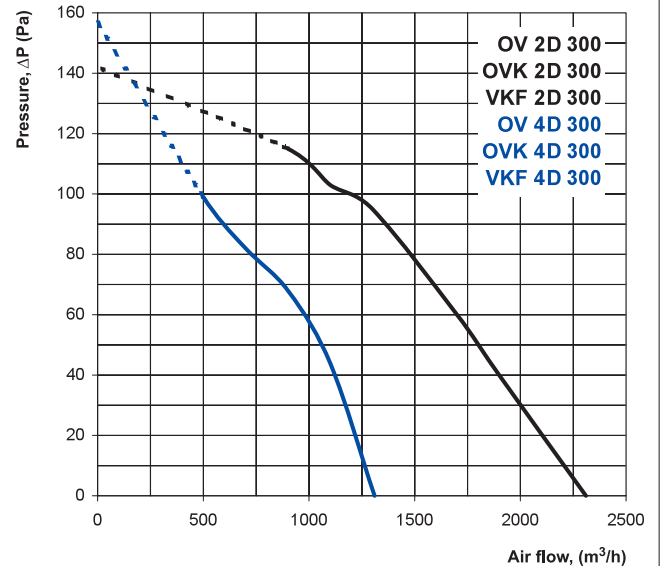
OV / OVK / VKF 2D 250

Sound pressure level	Hz	Tot.	Octave-frequency band, (Hz)							
			63	125	250	500	1000	2000	4000	8000
$L_{WA}$ to environment	dB(A)	77	67	68	70	69	68	66	60	57

OV / OVK / VKF 4D 250

Sound pressure level	Hz	Tot.	Octave-frequency band, (Hz)							
			63	125	250	500	1000	2000	4000	8000
$L_{WA}$ to environment	dB(A)	60	49	50	53	54	53	52	45	42

VENTS OV / OVK / VKF

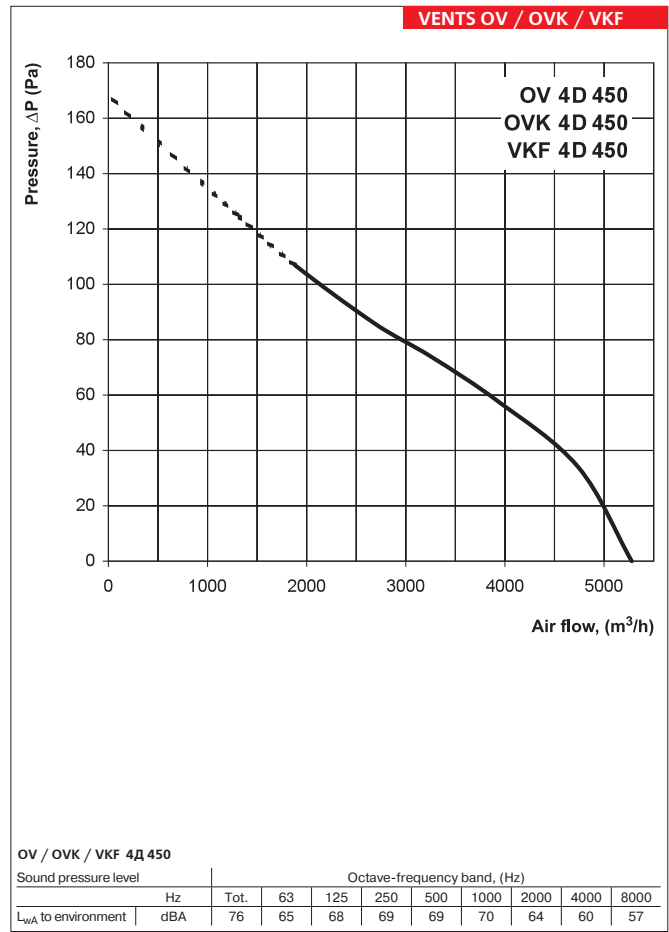
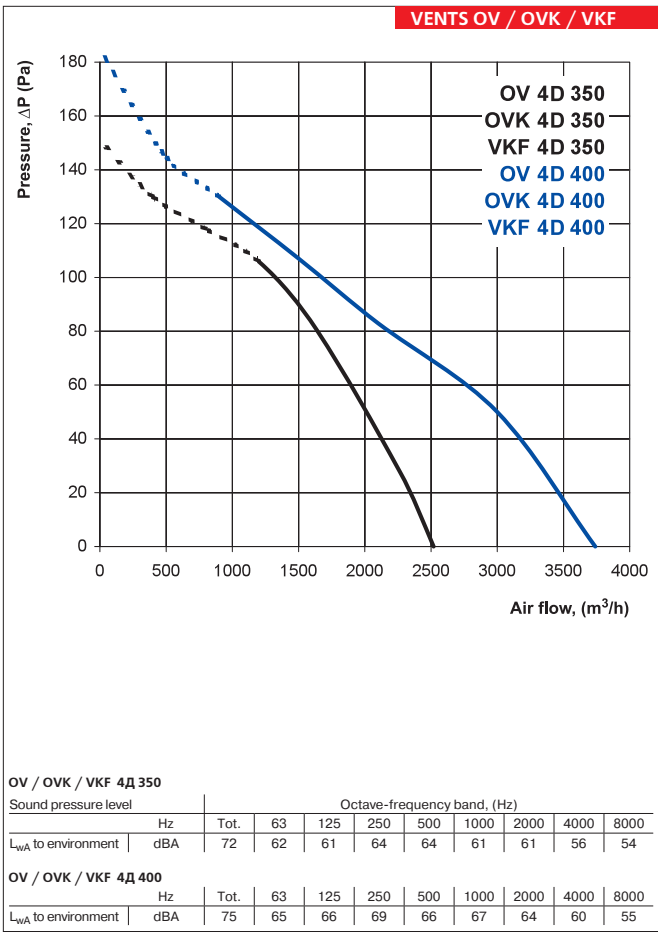


OV / OVK / VKF 2D 300

Sound pressure level	Hz	Tot.	Octave-frequency band, (Hz)							
			63	125	250	500	1000	2000	4000	8000
$L_{WA}$ to environment	dB(A)	80	72	71	71	74	70	69	65	63

OV / OVK / VKF 4D 300

Sound pressure level	Hz	Tot.	Octave-frequency band, (Hz)							
			63	125	250	500	1000	2000	4000	8000
$L_{WA}$ to environment	dB(A)	63	58	55	58	56	58	57	52	48



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