

Series
VENTS OV1



Low pressure axial fans in the steel casing with the for wall mounting.

Air flow:
1700 m³/h for 50 Hz
1650 m³/h for 60 Hz

Series
VENTS OVK1



Low pressure axial fans in the steel casing with the for wall mounting.

Air flow:
1700 m³/h for 50 Hz
1650 m³/h for 60 Hz

Series
VENTS VKOM
VENTS VKOM1



Low pressure axial fans in the steel casing for inline mounting.

Air flow:
1700 m³/h for 50 Hz
1650 m³/h for 60 Hz

■ **Applications**

Supply and exhaust ventilation systems for commercial, office and other public or industrial premises where high air flow at relatively low system resistance is required. OV1 and OVK1 fans can be used for the direct exhaust of air. OV1 and OVK1 fans can be mounted onto the external walls.

■ **Design**

OV1, OVK1, VKOM and VKOM1 fan casings are made of steel with polymeric coating. VKOMz and VKOM1z fan casing is made of galvanized steel and the impeller is made of aluminium. The terminal box is fitted with a cable for remote connection.

■ **Motor**

Single phase asynchronous motor is equipped with thermal overheating protection with automatic restart. The motor is equipped with slide bearings. Motor rating protection IP44.

■ **Speed control**

Step speed control with an external auto transformer (available upon separate order).

■ **Mounting**

The fan is installed on the wall surface by means of square (OV1 series) or round (OVK1 series) mounting plate. VKOM or VKOMz series fan is installed into the

duct by means of clamps or directly inside the wall. RM reducers made of polymer-coated steel and RM...Zn made of galvanized steel are designed for connection of VKOM fans with 150, 200 and 250 mm round air ducts. The delivery set of VKOMz includes fixation brackets. The fan is powered through the remote terminal box. Power supply and installation shall be performed in compliance with the manual and wiring diagram on the terminal box.

Designation key

Series and modification	Modifications (for VKOM series)	Dimension-type
VENTS OV1: square mounting plate VENTS OVK1: round mounting plate VENTS VKOM: mounting into a vent duct VENTS VKOM1: with a corrugated edge for the mounting directly into the ventilation duct	Z: galvanized steel	150; 200; 250; 315

Accessories



Speed controller
RSA5E-...-T

Technical data

	OV1/OVK1/ VKOM/ VKOM1 150		OV1/OVK1/ VKOM/ VKOM1 200		OV1/OVK1/ VKOM/ VKOM1 250		OV1/OVK1/ VKOM/ VKOM1 315	
Voltage [V]	1~230							
Frequency [Hz]	50	60	50	60	50	60	50	60
Power [W]	26	24	33	36	68	76	110	104
Current [A]	0.19	0.17	0.23	0.23	0.48	0.51	0.75	0.7
Max. air flow [m³/h]	180	205	390	450	1070	1050	1700	1650
RPM [min ⁻¹]	1432	1590	1410	1654	1300	1450	1300	1365
Noise level at 3 m [dBA]	33	33	33	33	37	37	42	43
Transported air temperature [°C]	-30...+ 40							
Protection rating	IP24 (VKOM(1) IPX4)							



Fixation bracket for surface mounting
of VKOM, VKOM1, VKOMz, VKOM1z
series fan

VENTS OV1
VENTS OVK1
VENTS VKOM
FAN SERIES

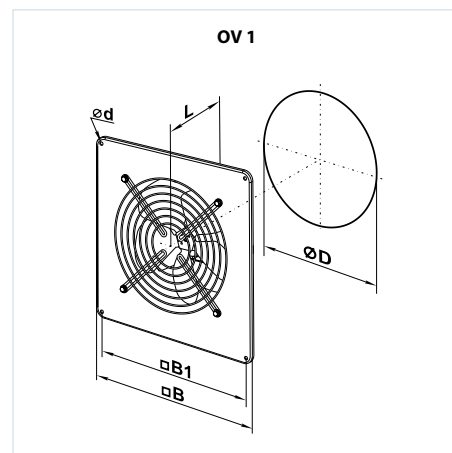


OV1 fan kitchen ventilation example

AXIAL FANS

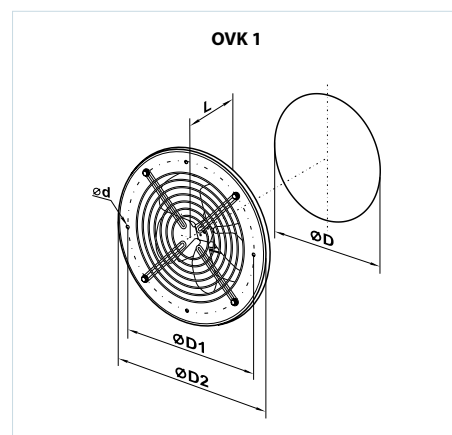
Fan overall dimensions

Type	Dimensions [mm]					Mass [kg]
	ØD	Ød	B	B1	L	
OV1 150	162	7	250	210	120	2.5
OV1 200	208	7	312	260	120	3.0
OV1 250	262	7	370	320	140	3.5
OV1 315	312	9	430	380	170	6.1



Fan overall dimensions

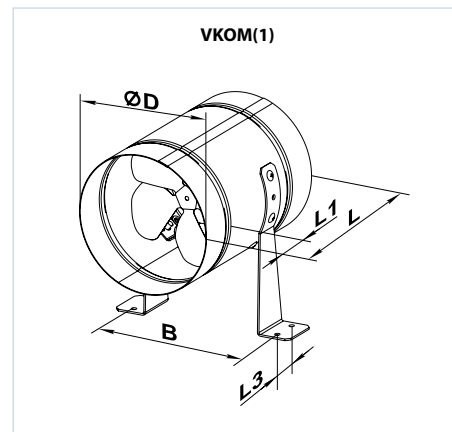
Type	Dimensions [mm]					Mass [kg]
	ØD	ØD1	ØD2	Ød	L	
OVK1 150	162	190	220	7	120	2.5
OVK1 200	208	270	300	7	120	2.5
OVK1 250	262	330	360	7	140	3.0
OVK1 315	312	390	420	9	170	5.1



Fan overall dimensions

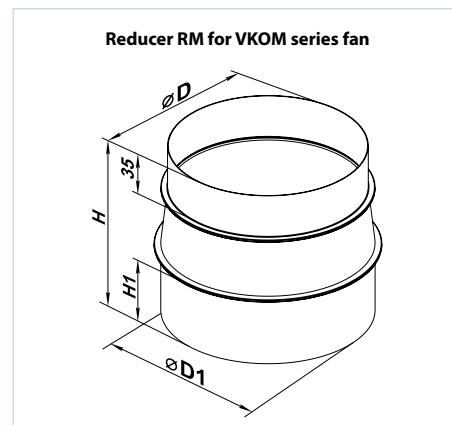
Type	Dimensions [mm]					Mass [kg]
	ØD	B	L	L1	L3	
VKOM 150	162	183	220	40	30	1.8
VKOM 200	208	228	220	40	30	2.4
VKOM 250	262	283	270	55	30	3.7
VKOM 315	315	337	278	55	40	4.9

Type	Dimensions [mm]					Mass [kg]
	ØD	B	L	L1	L3	
VKOM1 150	149	183	220	35	30	1.8
VKOM1 200	299	228	220	35	30	2.4
VKOM1 250	249	283	270	35	30	3.7

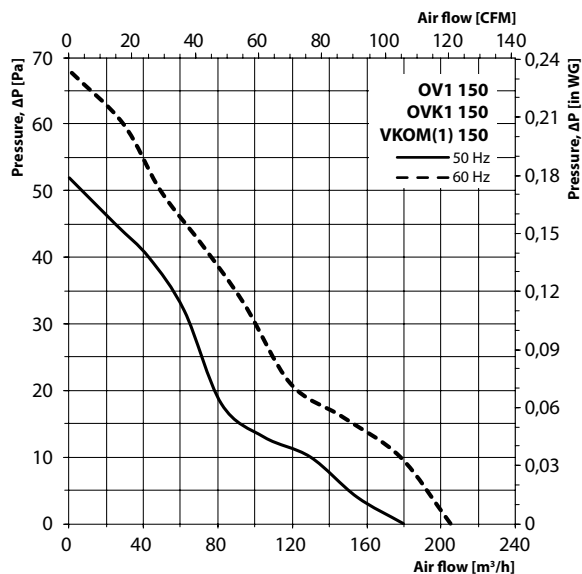


Overall dimensions of reducers for VKOM fan series:

Type	Dimensions [mm]				Mass [kg]
	ØD	ØD1	H	H1	
RM 148/158 RMz 148/158	148	158	140	55	0.3
RM 198/204 RMz 198/204	198	204	140	55	0.4
RM 248/258 RMz 248/258	248	258	150	65	0.42

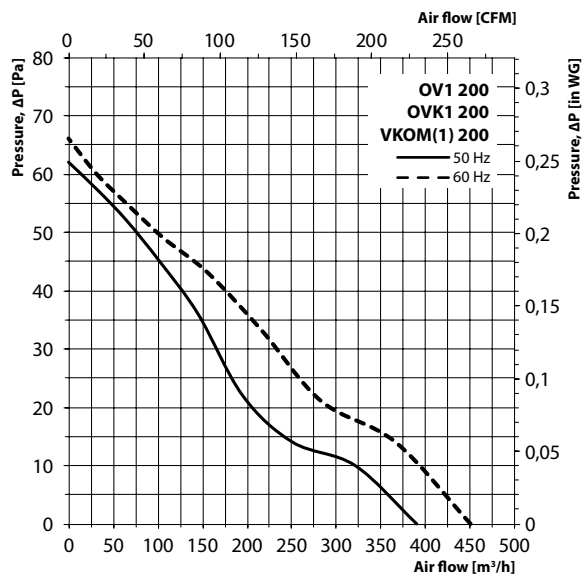


VENTS OV1/OVK1/VKOM



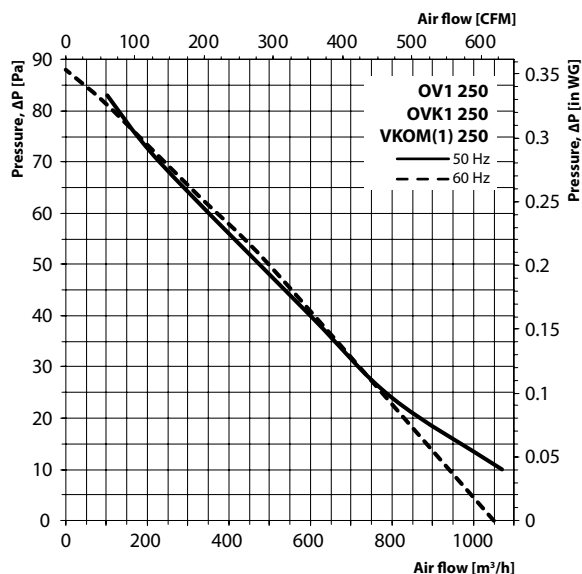
OV1 150/OVK1 150/VKOM 150		Gen.	Octave-frequency band [Hz]								LpA, 3 m [dBA]	LpA, 1 m [dBA]
Sound-power level		dBA	63	125	250	500	1000	2000	4000	8000		
L _{WA} to environment	dBA	54	22	35	39	45	49	49	45	39	33	43

VENTS OV1/OVK1/VKOM



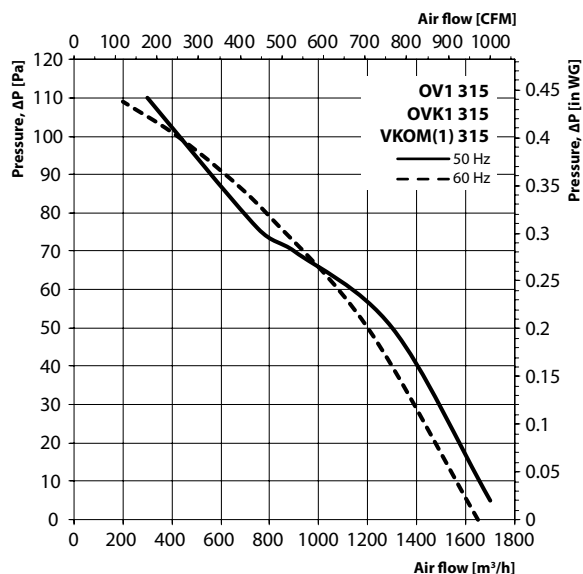
OV1 200/OVK1 200/VKOM 200		Gen.	Octave-frequency band [Hz]								LpA, 3 m [dBA]	LpA, 1 m [dBA]
Sound-power level		dBA	63	125	250	500	1000	2000	4000	8000		
L _{WA} to environment	dBA	53	22	34	38	44	48	48	44	38	33	42

VENTS OV1/OVK1/VKOM



OV1 250/OVK1 250/VKOM 250		Gen.	Octave-frequency band [Hz]								LpA, 3 m [dBA]	LpA, 1 m [dBA]
Sound-power level		dBA	63	125	250	500	1000	2000	4000	8000		
L _{WA} to environment	dBA	58	24	38	42	48	53	53	48	42	37	47

VENTS OV1/OVK1/VKOM



OV1 315/OVK1 315/VKOM 315		Gen.	Octave-frequency band [Hz]								LpA, 3 m [dBA]	LpA, 1 m [dBA]
Sound-power level		dBA	63	125	250	500	1000	2000	4000	8000		
L _{WA} to environment	dBA	62	39	49	44	50	56	49	42	60	42	52