Series

VENTS OVP

Low pressure axial fan in steel casing with air flow up to **2500 m³/h** for round duct installation

Application

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.

Design

The fan casing and the impeller are made of polymer coated steel. The fan casing sides have 30 mm deep corrugation for convenient attachment to the air ducts. The OVP series fans feature an external terminal box mounted to the fan casing.

Motor

Depending on the model the fans are equipped with two- or four-pole single-phase asynchronous motors with an external rotor and integrated self-resetting overheat protection. Ball bearings in the motor provide long service life designed for at least 40 000 hours. Motor protection rating IP44.

Speed control

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

Mounting

The fan is attached to a wall or the ceiling by means of the mounting brackets (included). The power is supplied via the side-mounted box. Electrical connection and installation must be performed in accordance with the instruction manual and the electrical connections diagram applied to the terminal box.

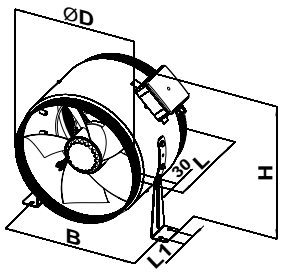
Technical data

	OVP 2E 200*	OVP 2E 250*	OVP 4E 250*	OVP 2E 300	OVP 4E 300*	OVP 4E 350
Voltage [V/50 Hz]	1~230	1~230	1~230	1~230	1~230	1~230
Power [W]	55	80	50	145	75	140
Current [A]	0.26	0.4	0.22	0.66	0.35	0.65
Max. air flow [m³/h]	860	1050	800	2230	1340	2500
RPM [min⁻¹]	2300	2400	1380	2300	1350	1380
Noise level at 3 m [dBA]	50	60	55	60	58	62
Transported air temperature [°C]	-30...+60	-30...+60	-30...+60	-30...+60	-30...+60	-30...+60
Protection rating	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4

* Compliant to the ErP-regulation (EC) 327/2011, the power consumption at optimum efficiency is < 125W.

Fan overall dimensions

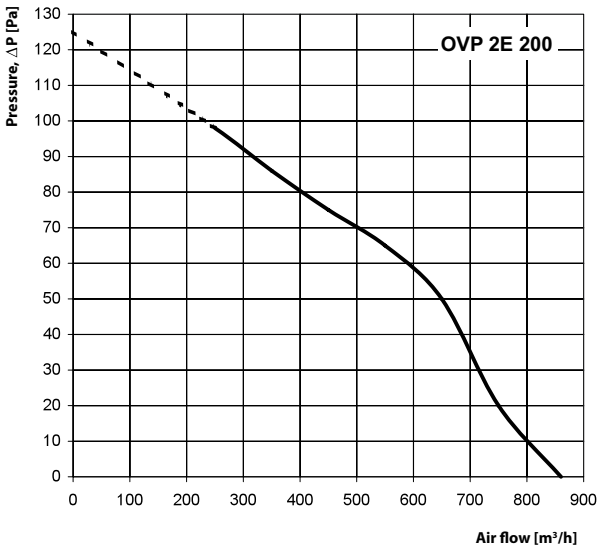
Type	Dimensions [mm]					Mass [kg]
	ØD	ØB	L	H	L1	
OVP 2E 200	199	227	220	300	30	3.5
OVP 2E 250	249	282	250	320	30	4.5
OVP 4E 250	249	282	250	320	30	4.5
OVP 2E 300	299	326	250	390	40	6.3
OVP 4E 300	299	326	250	390	40	6.3
OVP 4E 350	349	378	300	410	40	8.4



Accessories

Speed controller
RSA5E-...-T

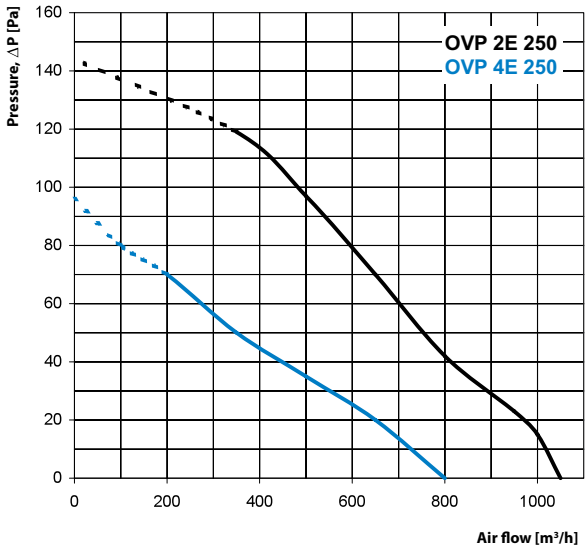
VENTS OVP



Sound-power level		Octave-frequency band [Hz]								
	Hz	Gen	63	125	250	500	1000	2000	4000	8000
L_{wA} to environment	dBA	65	56	58	58	57	59	55	51	45

η [%]	MC	EC	N	VSD	kW	A	m³/h	Pa	RPM	SR
30.5	A	Static	42.2	No	0.141	0.64	1380	110	2350	1

VENTS OVP



OVP 2E 250

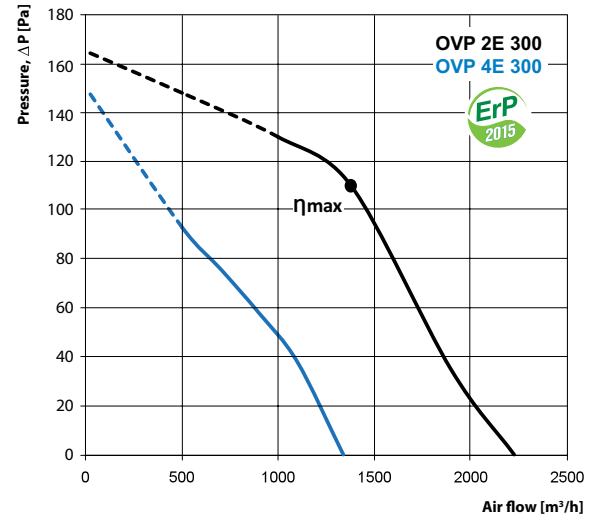
Sound-power level		Octave-frequency band [Hz]								
	Hz	Gen	63	125	250	500	1000	2000	4000	8000
L_{wA} to environment	dBA	76	68	66	68	70	68	68	63	58

OVP 4E 250

	Hz	Gen	63	125	250	500	1000	2000	4000	8000
L_{wA} to environment	dBA	60	52	50	52	53	52	52	44	43

η [%]	MC	EC	N	VSD	kW	A	m³/h	Pa	RPM	SR
29.9	A	Static	41.8	No	0.130	0.6	1717	80	1375	1

VENTS OVP



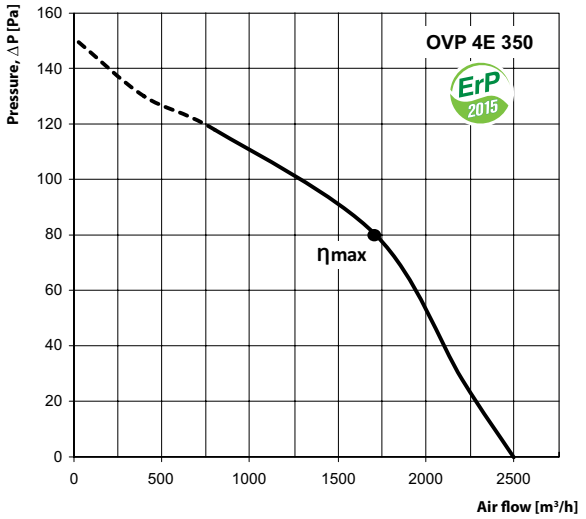
OVP 2E 300

Sound-power level		Octave-frequency band [Hz]								
	Hz	Gen	63	125	250	500	1000	2000	4000	8000
L_{wA} to environment	dBA	78	72	72	70	72	70	69	63	63

OVP 4E 300

	Hz	Gen	63	125	250	500	1000	2000	4000	8000
L_{wA} to environment	dBA	67	58	57	59	57	58	53	52	49

VENTS OVP



Sound-power level		Octave-frequency band [Hz]								
	Hz	Gen	63	125	250	500	1000	2000	4000	8000
L_{wA} to environment	dBA	70	61	62	64	63	63	58	56	52