

WPDE

E-TYPE CIRCULAR ROOF AIR EXHAUST VENTILATORS



Description:

WPDE E-type circular roof exhaust ventilator intended for vertical air discharge of ventilation systems.

Intended use

WPDE roof exhaust ventilators (cowls) are used on the exhaust duct ends in ventilation systems.

Design

WPDE roof exhaust ventilators serve for vertical air discharge. They are fitted with circular flange connections, nipple or sleeve and are suitable for standardised diameters of circular ducts. On customer request, the holes for screws in the flange connections can be made, according to the individual guidelines. The flange connections are initially painted with anti-corrosive paint (to be repainted after assembly) – applies to P = S0 finish.

WPDEs are normally made of galvanised steel
Zinc coating thickness – 19 microns. Other RAL colour-painted versions and a stainless steel version are available upon special request.

Dimensions

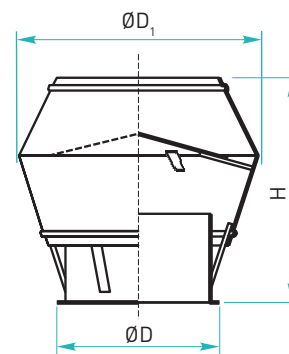


Figure 1. WPDE roof exhaust ventilator dimensions.

The standard dimensions of the WPDE roof exhaust ventilators are presented below. Exhaust louvres with different dimensions can be delivered upon request.

Table 1. WPDE roof exhaust ventilator dimensions.

ØD [mm]	ØD ₁ [mm]	H [mm]	A _{ef} [m ²]	Weight [kg]
160	290	330	0.013	3.7
200	360	375	0.017	5.2
250	450	430	0.029	7.1
315	570	500	0.044	9.9
400	720	600	0.071	14.8
500	900	715	0.109	26.7
630	1135	1000	0.193	35.8

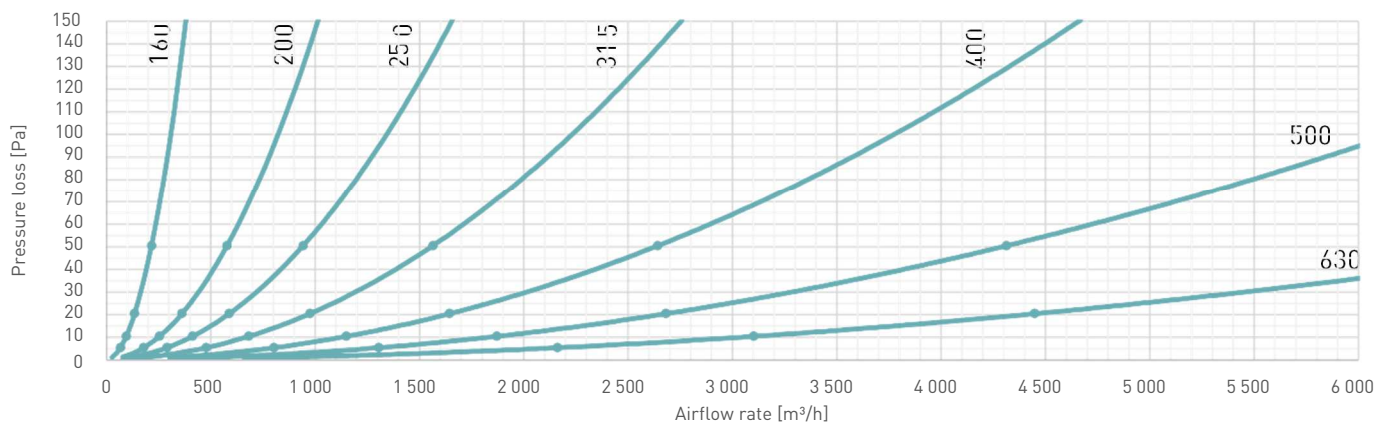
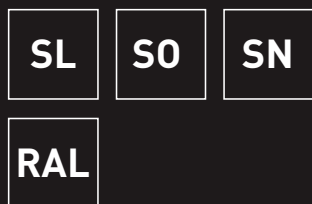


Diagram 1. Pressure loss for the WPDE exhaust ventilator.



WPDE – E-type circular roof air exhaust ventilator

When ordering, please provide information according to the following pattern:

For a standard unit

WPDE - <D> - <J> - <P> <RAL>

Where:

D	Diameter nominal in mm
J	Connection type
	PSK – Flange connection
	KTW – Angled flange connection (for diameters $355 \leq D \leq 1000$)
	NPL – Nipple connection (for diameters $D \leq 315$ mm)
	MFA – Sleeve connection (for diameters $D \leq 315$ mm)
H	Exhaust ventilator height in mm
P	Finish*
	SL – Painted steel
	SO – Galvanised steel
	SN – Stainless steel, quality 1.4301 (304 according to AISI, 0H18N9 according to PN), not possible for the J = KTW flange
RAL	Colour as per RAL code (for SL finish)

* Optional values, if not specified, the default values will be used

Order example: **WPDE-250-PSK-SO**