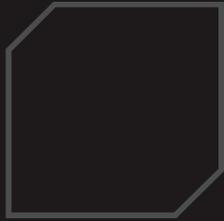


WPDC

C-TYPE CIRCULAR ROOF AIR EXHAUST VENTILATOR



Description:

WPDC C-type circular roof exhaust ventilator intended for the horizontal air discharge of ventilation systems.

Intended use

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

Design

WPDC roof exhaust ventilators are fitted with circular flange connections, nipple or sleeve and are suitable for standardised diameters of circular ducts. Upon request, the holes for the screws in the flange connections can be made according to individual guidelines. The flange connections are initially painted with anti-corrosive paint (to be repainted after assembly) – applies to P = SO finish. WPDC exhaust ventilators are normally made of zinc-plated steel with the average thickness of the zinc coating equal to 19 micrometres. Other RAL colour-painted versions and a stainless steel version are available upon special request.

Dimensions

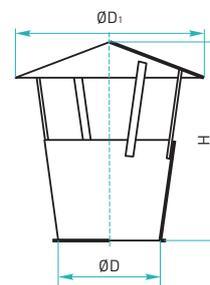


Figure 1. WPDC roof exhaust ventilator dimensions.

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

Table 1. WPDC roof exhaust ventilator dimensions.

ØD [mm]	ØD ₁ [mm]	H [mm]	A _{ef} [m ²]	Weight [kg]
100	200	170	0.012	1.5
125	250	215	0.019	1.9
160	320	275	0.033	2.6
200	400	340	0.051	3.5
250	500	425	0.083	5.0
315	630	535	0.134	7.5
400	800	680	0.218	11
500	1000	850	0.334	22.0
630	1260	1070	0.542	33.0

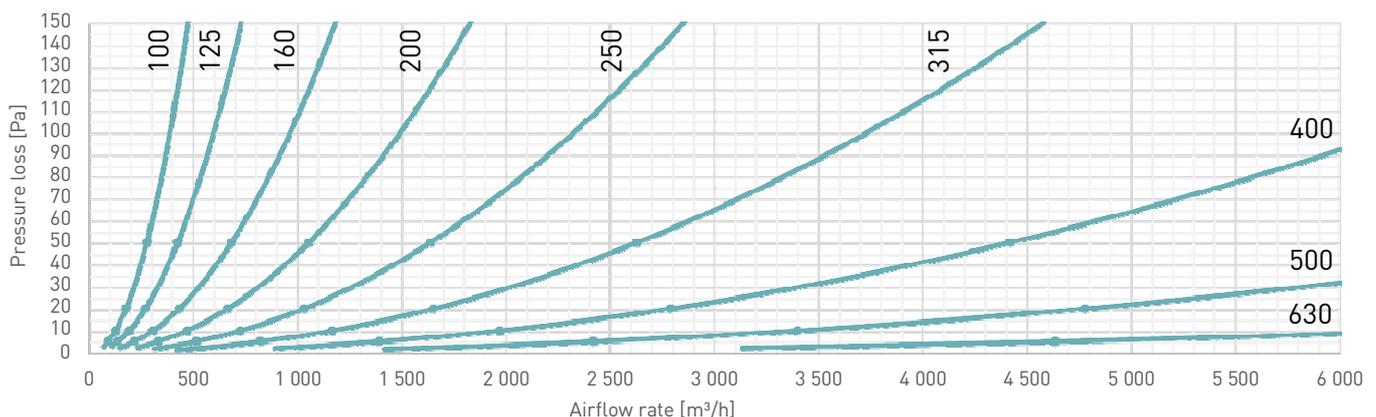
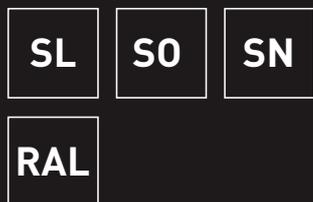


Diagram 1. Pressure loss for WPDC exhaust ventilator.



WPDC – C-type circular roof air exhaust ventilator

When ordering, please provide information according to the following

pattern: For a standard unit

WPDC - <D> - <J> - <P> <RAL>

Where:

D	Diameter nominal in mm
J	Connection type
	<ul style="list-style-type: none"> PSK – Flange connection KTW – Angled flange connection (for 355 ≤ D ≤ 1000) NPL – Nipple connection (for D ≤ 315 mm) MFA – sleeve connection (for D ≤ 315 mm)
H	Exhaust ventilator height in mm
P	Finish*
	<ul style="list-style-type: none"> 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: **WPDC-250-PSK-SO**