

B VAR 400 F300



■ **Casing**

Duct with flanges on both sides DIN 24155 pt. 3. Made from galvanised sheet steel, fixed impeller with inner hub for mounting the flange motor. Type 400/2 welded casing, hot-dip galvanised.

■ **Impeller**

Optimised for high pressure and volume output. Special development with spatially curved hot-dip galvanised steel blades.

■ **Motor**

Direct through efficient IE3 three phase motor (smoke extraction motors F300 and F400). Pole-switching fans with IEC standard motor. Protection class IP55. Insulation class H. External cable with sheathing.

■ **Motor protection**

All types (except pole-switching) have PTC resistors as standard and must be protected with aa full motor protection device (MSA, Ref. no. 01289). This must be bridged in smoke extraction situation.

■ **Installation**

Installation in any position. Suitable for installation within and outside of the fire zone.

■ **Electrical connection**

Standard terminal box in temperature-resistant design (protection class IP54) outside of duct.

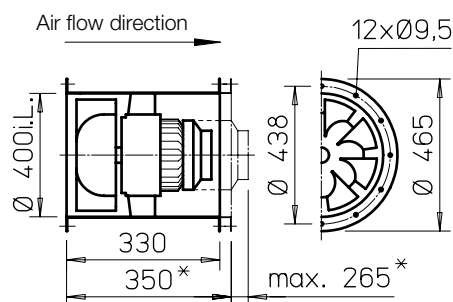
■ **Safety information**

Guard for impeller pursuant to DIN EN ISO 13857 must be secured by installation.

■ **Noise levels**

See information on sound power levels above the performance curves. The lower sound pressure level can be determined using the diagram on the "Technical information" page. Noise emissions and room acoustics see page 5.

Dimensions B VAR 400 F300



*only for n=2800 1/min

All dim. in mm

Double pressure

■ **Mounting package MP-Z for two-stage Z unit**

For arrangement of two identical fans in a row, for highest pressure ratings.

Scope of delivery: Extension ducts (2 pcs.) and assembly kit. Weight: 12 kg

MP-Z 400

Ref. no. 04905

Double volume

■ **Mounting package MP-P for parallel P unit**

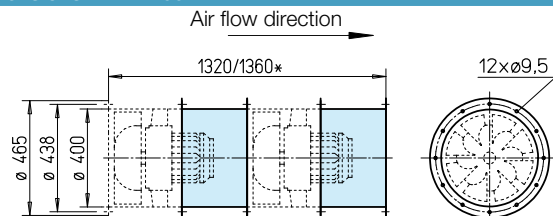
For arrangement of two identical fans side by side, for highest flow rates.

Scope of delivery: Extension ducts, backdraught shutter, mounting rails (2 pcs. each), mounting brackets (4 pcs.) and assembly kits. Weight: 35 kg

MP-P 400

Ref. no. 04889

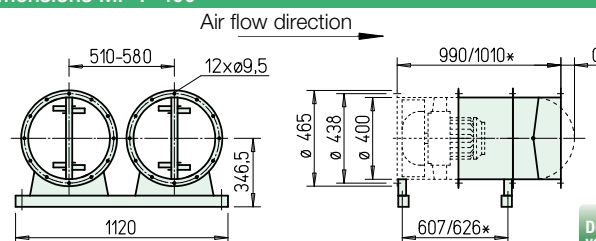
Dimensions MP-Z 400



All dim. in mm

Double pressure

Dimensions MP-P 400



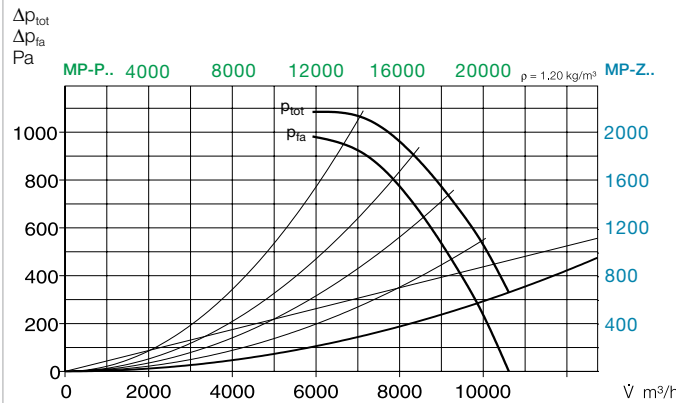
All dim. in mm

Double volume

Performance curves B VAR 400/2 F300

n=2800 1/min

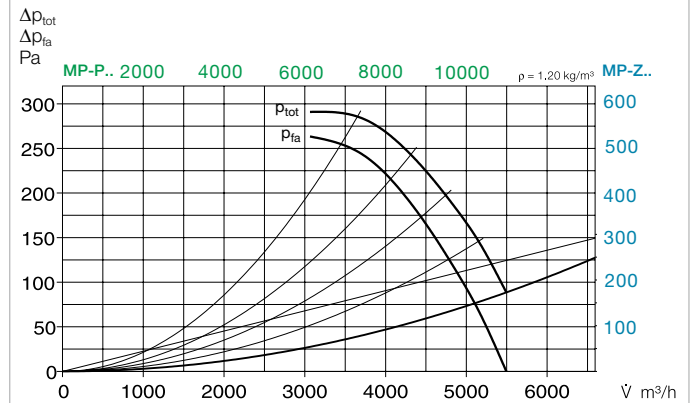
Frequency	Hz	Total	125	250	500	1k	2k	4k	8k
L _{WA}	Air noise	dB(A)	98	69	80	91	94	94	90
L _{PA,4m}	Air noise	dB(A)	78	49	60	71	74	70	61



Performance curves B VAR 400/4 F300

n=1450 1/min

Frequency	Hz	Total	125	250	500	1k	2k	4k	8k
L _{WA}	Air noise	dB(A)	83	59	72	77	79	77	70
L _{PA,4m}	Air noise	dB(A)	63	39	52	57	59	57	50



Certification

The smoke extraction fans B VARD have been tested according to DIN EN 12101-3. Certificate of performance reliability:
F300: 0036-CPR-RG05-01

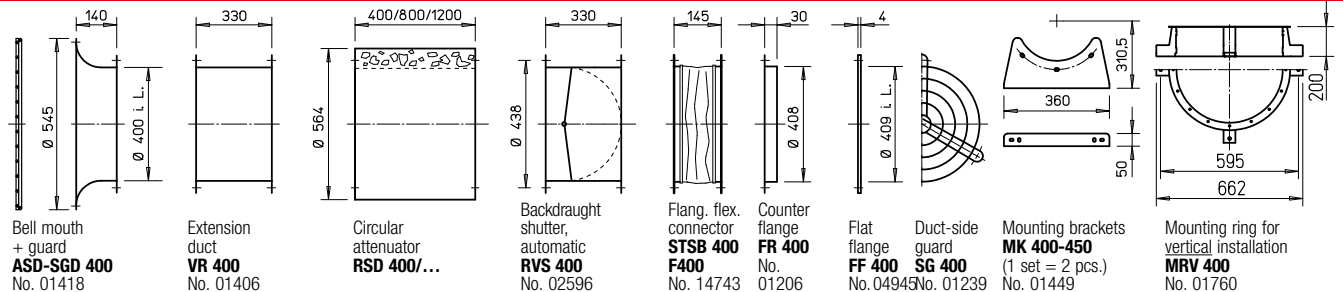
Information

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Techn. description 84 ff.
Project planning information 10 ff.

Accessory details

Mounting accessories 163 ff.
Attenuator 168
Gas warning systems, switch and control technology 170 ff.

Accessories for B VAR 400 F300 Description see page 163 ff.



Type	Ref. no.	Speed	Output free-blowing	Nom. motor power (output)	Nominal voltage	Power consumption	Wiring diagram	max. air flow temp. ¹⁾	Net weight approx.	Smoke exhaust fan control system incl. full motor protection	Anti-vibration mount ²⁾
		min ⁻¹	V m³/h	kW	V	A	No.	+°C	kg	Type Ref. no.	Pressure Tensile
										Type Ref. no.	Type Ref. no.
F300 Three phase motor, 50 Hz, protection class IP54											
B VARD 400/4 F300	02308	1420	5300	0.75	400	1.62	776	40 / 300	33	EVS-D 001 04594	SDD 1 F 01942 SDZ 1 F 01943
B VARD 400/2 F300	02309	2900	11010	4.00	400	7.59	776	40 / 300	71	EVS-SD 001 04586	SDD 1 F 01942 SDZ 1 F 01943
F300 Pole-switching, 2 speed (Dahlander winding γ/γ), three phase motor 50 Hz, protection class IP54											
B VARD 400/4/2 F300	02310	1440/2890	5450/10900	1.1/4.4	400	2.79/8.59	777	40 / 300	76	on demand	SDD 4 01944 SDZ 4 01945

¹⁾ For ventilation / smoke extraction (once 120 min.).

²⁾ For Z/P version due to higher total weight Type allocation according to tables on page 157.