

B VAR 280 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.

■ Impeller

Optimised for high pressure and volume output. Special development with spatially curved cast aluminium 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.

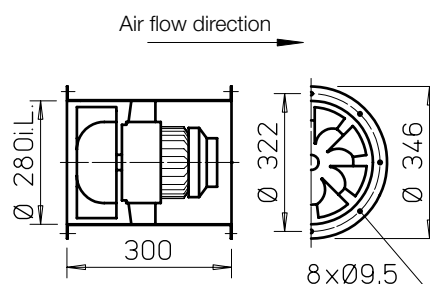
■ Safety information

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

Dimensions B VAR 280 F300



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: 6.5 kg

MP-Z 280

Ref. no. 04902

Double volume

■ Mounting package MP-P for parallel P unit

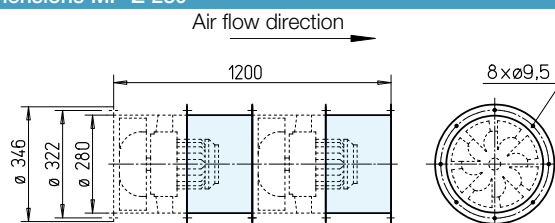
For arrangement of two identical fans side by side, for highest flow rates.

Scope of delivery: Extension ducts, backdraught shutter, mounting rails (2 pcs. each), mounting brackets (4 pcs.) and assembly kits. Weight: 22 kg

MP-P 280

Ref. no. 04886

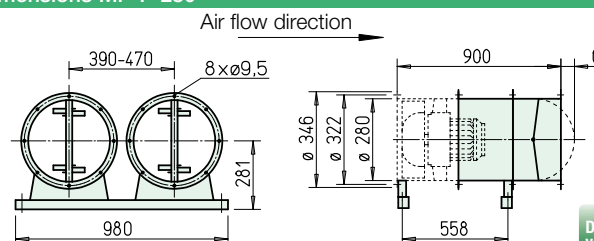
Dimensions MP-Z 280



All dim. in mm

Double pressure

Dimensions MP-P 280



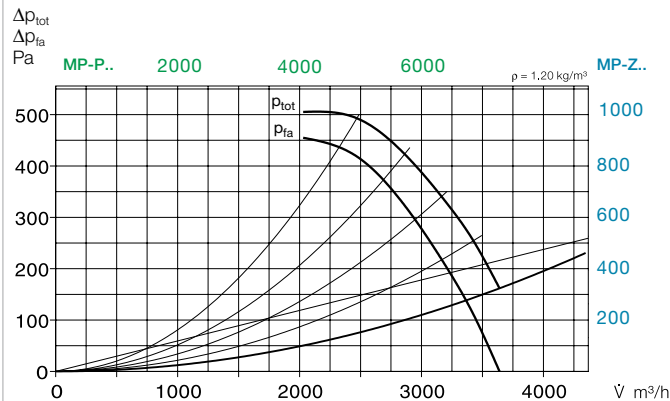
All dim. in mm

Double volume

Performance curves B VAR 280/2 F300

n=2800 1/min

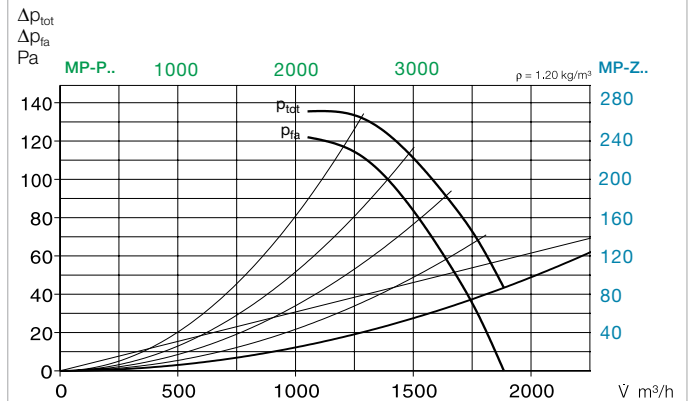
Frequency	Hz	Total	125	250	500	1k	2k	4k	8k
L _{WA}	Air noise	dB(A)	88	58	69	80	83	83	79
L _{PA,4m}	Air noise	dB(A)	68	38	49	60	63	63	59



Performance curves B VAR 280/4 F300

n=1450 1/min

Frequency	Hz	Total	125	250	500	1k	2k	4k	8k
L _{WA}	Air noise	dB(A)	72	48	62	66	69	66	59
L _{PA,4m}	Air noise	dB(A)	52	28	42	46	49	46	39



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

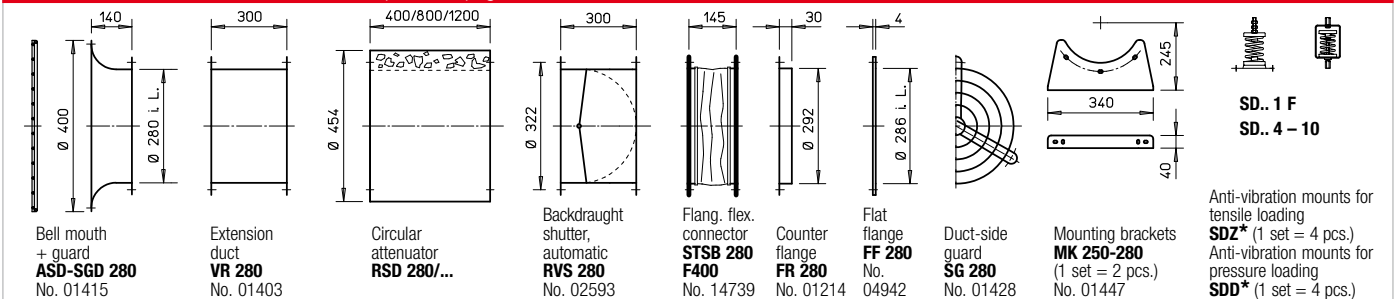
Information

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 280 F300 Description see page 163 ff.



* Type allocation see table, last column

Type	Ref. no.	Speed	Output free-blowing	Nom. motor power. (output)	Nominal voltage	Power consump- tion	Wiring diagram	max. air flow temp. ¹⁾	Net weight approx.	Smoke exhaust fan control system incl. full motor protection	Anti-vibration mount ²⁾				
											Pressure		Tensile		
		min ⁻¹	V m³/h	kW	V	A	No.	+°C	kg	Type	Ref. no.	Type	Ref. no.	Type	Ref. no.
🔥 F300 Three phase motor, 50 Hz, protection class IP54															
B VARD 280/4 F300	02298	1420	1860	0.55	400	1.23	776	40/ 300	22	EVS-D 001	04594	SDD 1 F	01942	SDZ 1 F	01943
B VARD 280/2 F300	02300	2830	3700	1.10	400	2.33	776	40/ 300	23	EVS-D 001	04594	SDD 1 F	01942	SDZ 1 F	01943
🔥 F300 Pole-switching, 2 speed (Dahlander winding Y/Y), three phase motor 50 Hz, protection class IP54															
B VARD 280/4/2 F300	02301	1390/2810	1810/3700	0.25/1.1	400	0.75/2.41	777	40/ 300	24	on demand		SDD 1 F	01942	SDZ 1 F	01943

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.