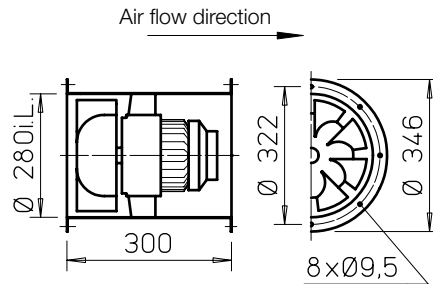


B VAR 280 F300



Dimensions B VAR 280 F300



All dim. in mm

- 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 a 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

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

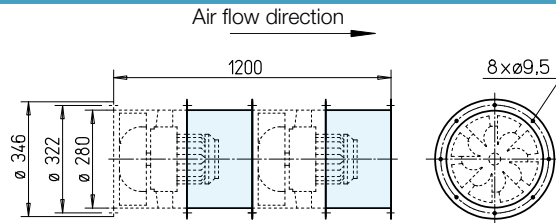
MP-Z 280 Ref. no. 04902

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

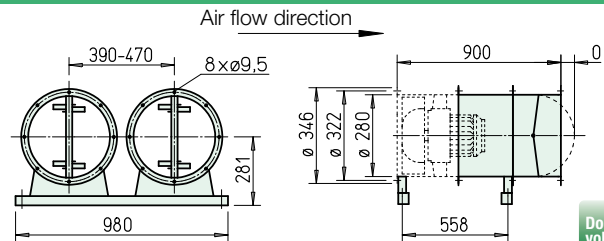
Dimensions MP-Z 280



All dim. in mm

Double pressure

Dimensions MP-P 280



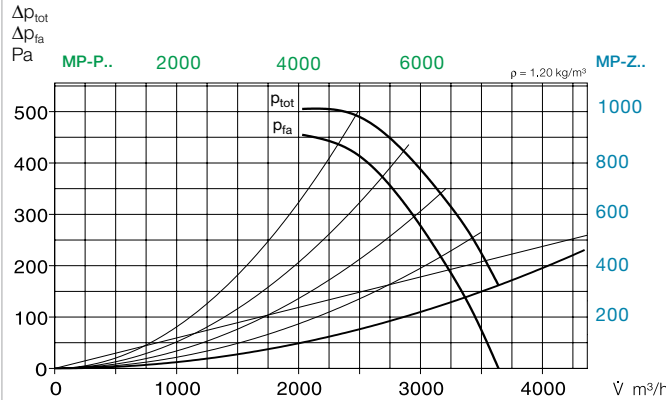
All dim. in mm

Double volume

Performance curves B VAR 280/2 F300

n=2800 1/min

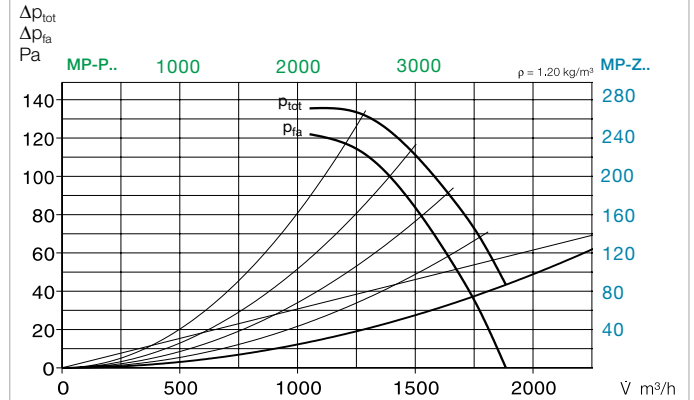
Frequency	Hz	Total	125	250	500	1k	2k	4k	8k	
L _{WA}	Air noise	dB(A)	88	58	69	80	83	83	79	70
L _{PA,4m}	Air noise	dB(A)	68	38	49	60	63	63	59	50



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	49
L _{PA,4m}	Air noise	dB(A)	52	28	42	46	49	46	39	29



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 13 ff.

Accessory details

Mounting accessories 161 ff.
Attenuator 166
Gas warning systems, switch and control technology 168 ff.

Seite

Accessories for B VAR 280 F300 Description see page 161 ff.

Bell mouth + guard ASD-SGD 280 No. 01415

Extension duct VR 280 No. 01403

Circular attenuator RSD 280/...

Backdraught shutter, automatic RVS 280 No. 02593

Flang. flex. connector STSB 280 F400 No. 14739

Counter flange FR 280 No. 01214

Flat flange FF 280 No. 04942

Duct-side guard SG 280 No. 01428

Mounting brackets MK 250 - 280 (1 set = 2 pcs.) No. 01447

SD.. 1F
SD.. 4 - 10

Anti-vibration mounts for tensile loading **SDZ*** (1 set = 4 pcs.)
Anti-vibration mounts for pressure loading **SDD*** (1 set = 4 pcs.)

* Type allocation see table, last column

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⁾				
											Pressure		Tensile		
		min ⁻¹	V m ³ /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 VAR 280/4 F300	02298	1420	1860	0.55	400	1.23	776	40/300	22	EVS-D 001	04594	SDD 1F	01942	SDZ 1F	01943
B VAR 280/2 F300	02300	2830	3700	1.10	400	2.33	776	40/300	23	EVS-D 001	04594	SDD 1F	01942	SDZ 1F	01943
F300 Pole-switching, 2 speed (Dahlander winding γ/γ), three phase motor 50 Hz, protection class IP54															
B VAR 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 1F	01942	SDZ 1F	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.