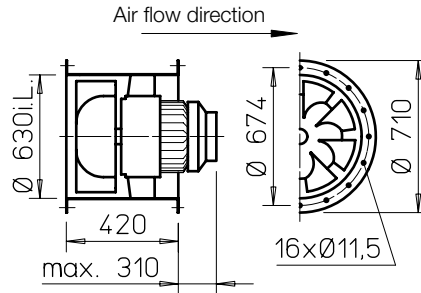


B VAR 630 F300/F400



- Casing**
 Duct with flanges on both sides DIN 24155 pt. 3. Welded construction, hot-dip galvanised. Welded guide vane with inner hub for mounting the flange motor, 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 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 page 5.

Dimensions B VAR 630 F300/F400



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: 36 kg

MP-Z 630

Ref. no. 04909

Double volume

■ Mounting package MP-P for parallel P unit

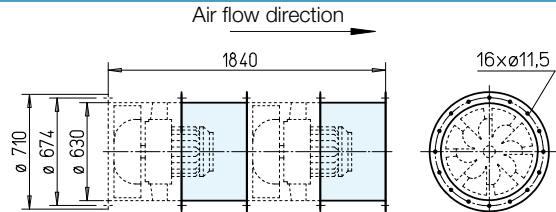
For arrangement of two identical fans side by side, for highest flow rates.

Scope of delivery: Extension ducts, backdraught shutter, mounting rails (2 pcs. each), mounting brackets (4 pcs.) and assembly kits. Weight: 110 kg

MP-P 630

Ref. no. 04893

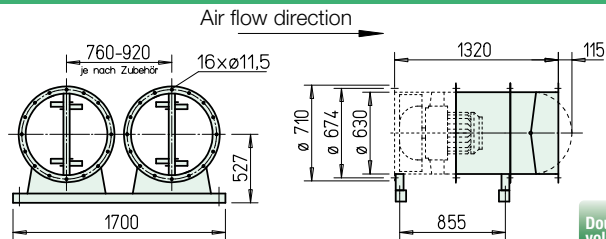
Dimensions MP-Z 630



All dim. in mm

Double pressure

Dimensions MP-P 630



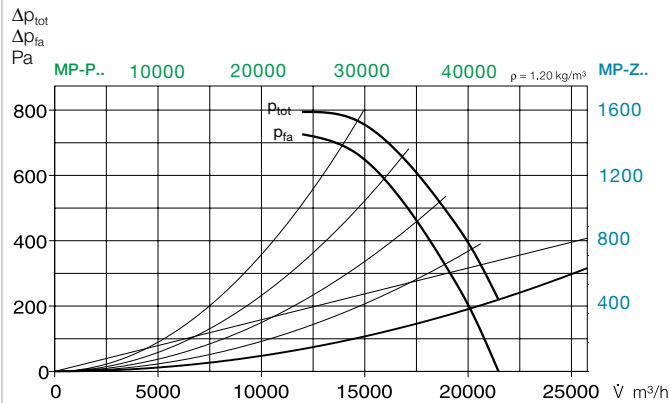
All dim. in mm

Double volume

Performance curves B VAR 630/4 F300/F400

n = 1450 1/min

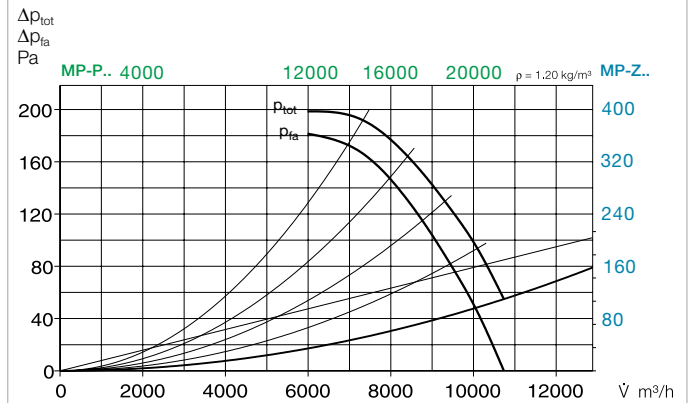
Frequency	Hz	Total	125	250	500	1k	2k	4k	8k	
L _{WA}	Air noise	dB(A)	97	73	89	91	93	91	84	74
L _{PA,4m}	Air noise	dB(A)	77	53	69	71	73	71	64	54



Performance curves B VAR 630/8 F300/F400

n = 725 1/min

Frequency	Hz	Total	125	250	500	1k	2k	4k	8k	
L _{WA}	Air noise	dB(A)	80	65	71	76	75	70	62	55



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
 F400: 0036-CPR-RG05-05

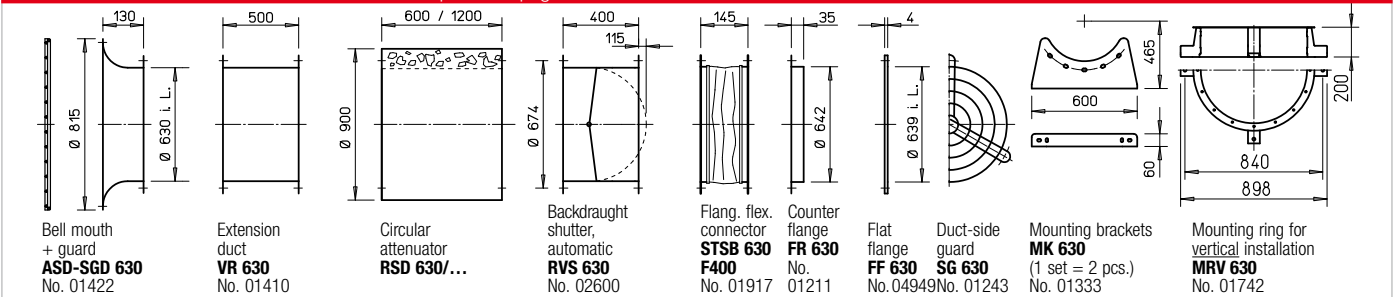
Information

Information	Page
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.

Accessories for B VAR 630 F300/F400 Description see page 161 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⁾				
											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 630/4 F300	02341	1460	21460	5.5	400	10.4	776	40 / 300	150	EVS-SD 002 04585		SDD 5 01924		SDZ 5 01925	
F300 Pole-switching, 2 speed (Dahlander winding γ/γ), three phase motor 50 Hz, protection class IP54															
B VARD 630/8/4 F300	02342	725/1430	10660/21460	1.8/7.2	400	4.64/14.4	777	40 / 300	167	on demand		SDD 5 01924		SDZ 5 01925	
F400 Three phase motor, 50 Hz, protection class IP54															
B VARD 630/4 F400	02423	1460	21460	5.5	400	10.4	776	40 / 400	153	EVS-SD 002 04585		SDD 5 01924		SDZ 5 01925	
F400 Pole-switching, 2 speed (Dahlander winding γ/γ), three phase motor 50 Hz, protection class IP54															
B VARD 630/8/4 F400	02424	725/1430	10660/21460	1.8/7.2	400	4.64/14.4	777	40 / 400	167	on demand		SDD 5 01924		SDZ 5 01925	

¹⁾ For ventilation / smoke extraction (once 120 min. at 300 °C or 120 min. at 400 °C).

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