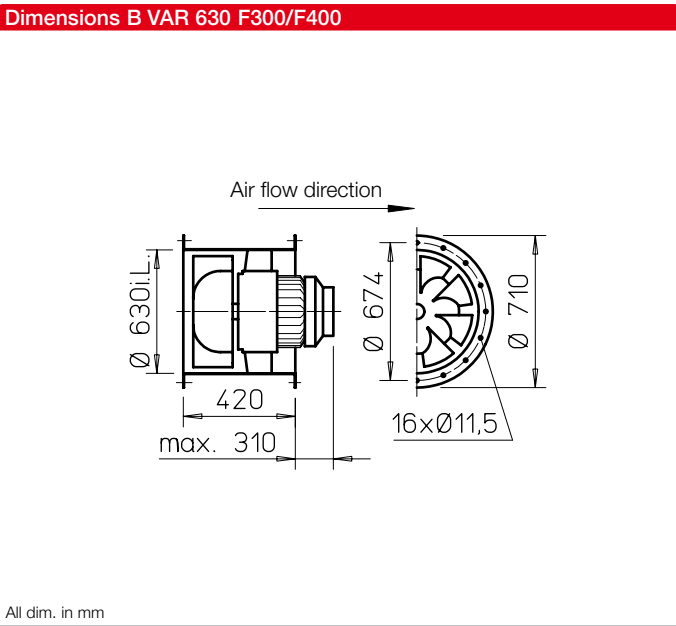




- Casing**
Duct with flanges on both sides DIN 24155 pt. 3. Welded construction, hot-dip galvanised. Welded guide vane with inner hub for mounting the flange motor, hot-dip galvanised.
- Impeller**
Optimised for high pressure and volume output. Special development with spatially curved hot-dip galvanised 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 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.



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

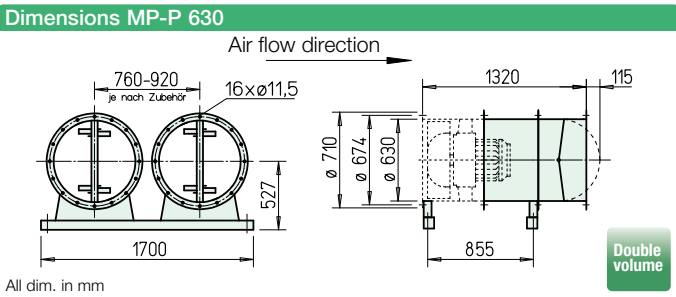
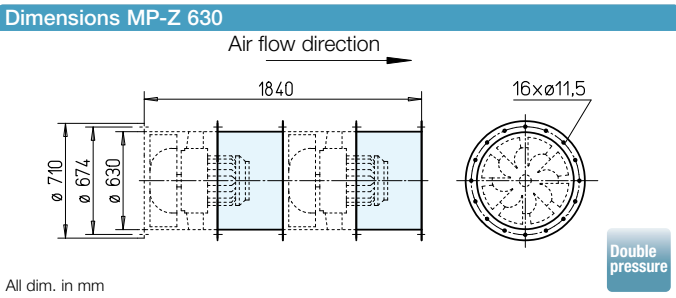
Mounting package MP-P for parallel P unit

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

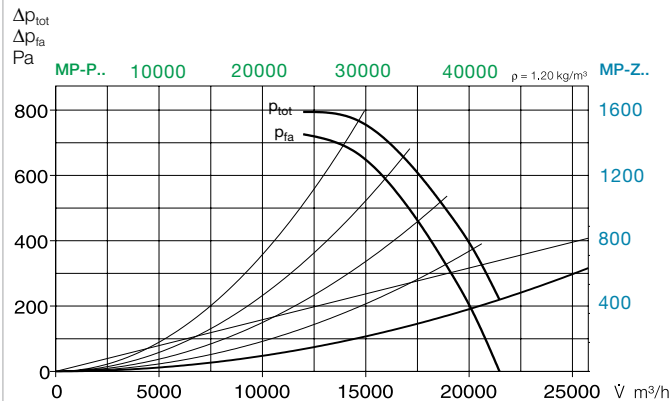
MP-P 630 Ref. no. 04893



Performance curves B VAR 630/4 F300/F400

n=1450 1/min

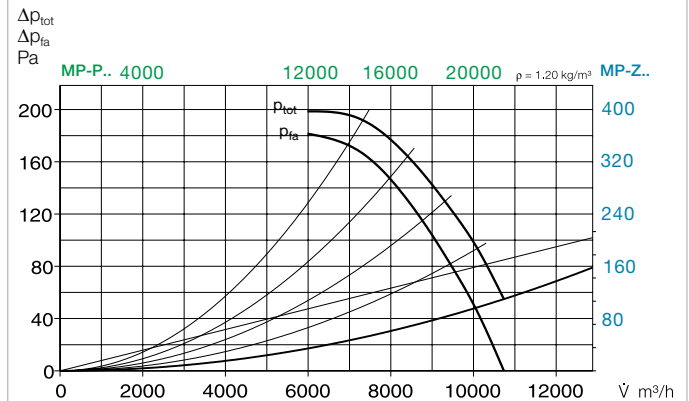
Frequency		Hz	Total	125	250	500	1k	2k	4k	8k
L _{WA}	Air noise	dB(A)	97	73	89	91	93	91	84	74
L _{PA, 4m}	Air noise	dB(A)	77	53	69	71	73	71	64	54



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

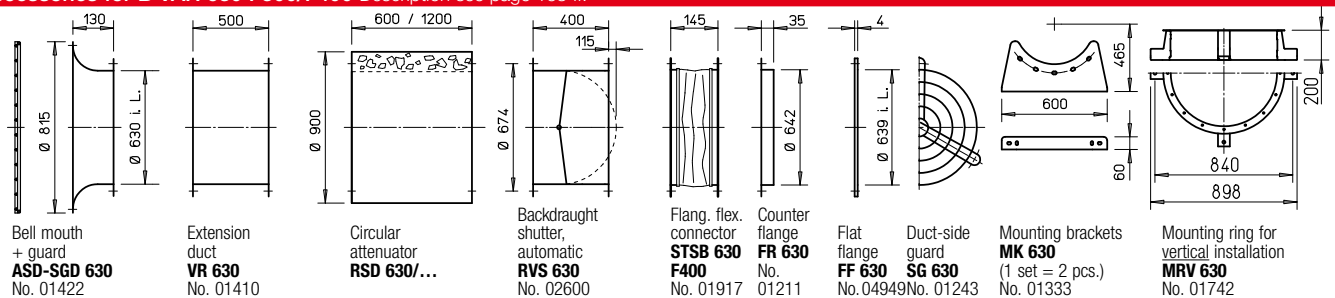
Information

Page
Techn. description 84 f.
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 630 F300/F400 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⁾				
											Pressure		Tensile		
		min ⁻¹	ṽ m³/h	kW	V	A	No.	+°C	kg	Type	Ref. no.	Type	Ref. no.	Type	Ref. no.
 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
 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
 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
 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.