

AMD / B AMD 800



Description, Installation, Casing, Air flow direction, etc.
 see page 60.

Impeller

- ☐ Hub and blades made from corrosion-resistant aluminium alloy. Ten aerodynamically profiled blades achieve the achieve high levels of efficiency and pressure ratings together with the guide vane.
- ☐ Dynamically balanced, quality class 6.3 for low-vibration operation.
- ☐ Blades can be steplessly adjusted in the factory.

Motor

- ☐ Series AMD: Direct through efficient IE3 standard three phase motor. Pole-switching fans with IEC standard motor. Protection class IP55, insulation class F.

- ☐ Series B AMD: Direct through efficient IE3 three phase motor (smoke extraction motors F300 or F400). Pole-switching fans with IEC standard motor. Protection class IP55. Insulation class H. Fire-resistant external cable with sheathing.

Motor protrusion

For some types, the motor protrudes over the casing. Protrusion dimension B in mm must be observed according to the type table.

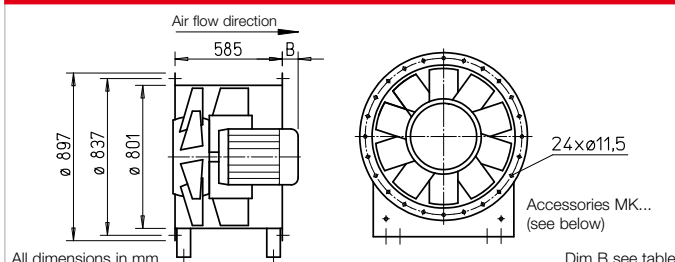
Motor protection

All types have PTC resistors from the terminal box. This must be bridged in smoke extraction mode for B AMD models.

Certification

The smoke ventilation fans B AMD have been tested according to DIN EN 12101-3. Certificate of performance reliability: F300: 0036-CPR-RG05-18 F400: 0036-CPR-RG05-19

Dimensions AMD / B AMD 800



Electrical connection

- ☐ Series AMD: Standard plastic terminal box (protection class IP55), mounted to outside of duct.
- ☐ Series B AMD: Standard aluminium die-cast terminal box (protection class IP55), mounted to outside of duct.

Air flow temperatures

- ☐ Series AMD: Suitable for supply and extract ventilation from -20 °C to +60 °C continuous temperature. Types for higher air flow temperatures upon request.
- ☐ Series B AMD: Like series AMD, but also for smoke extraction according to the temperature classification up to 300 °C/120 min. and 400 °C/120 min.

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: 60 kg

MP-Z 800

Ref. no. 04911

Double volume

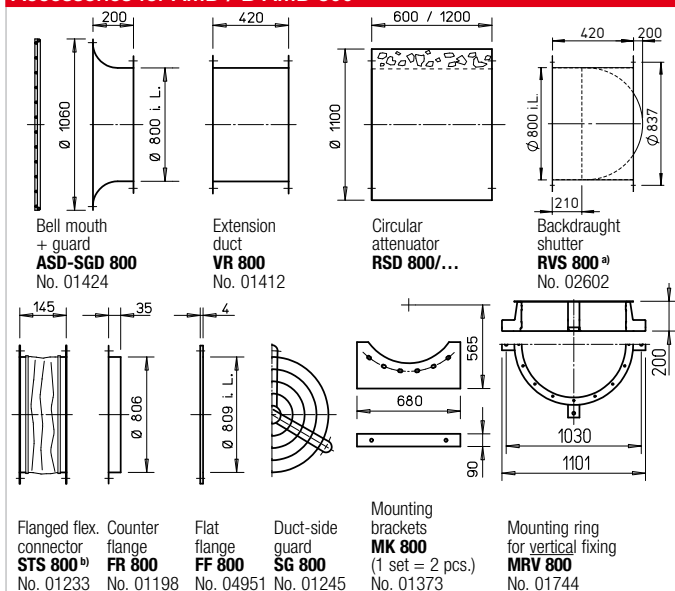
Mounting package MP-P for parallel P unit

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: 205 kg

MP-P 800

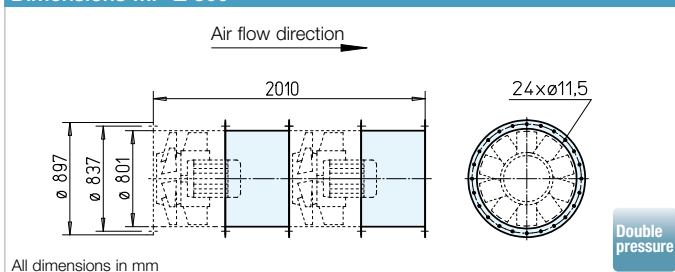
Ref. no. 04895

Accessories for AMD / B AMD 800

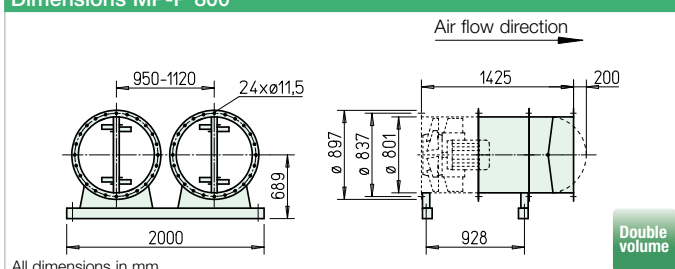


a) Backdraught shutter, motorised, for ventilation, see main Helios catalogue. b) Type for B AMD: STSB 800 F400, No. 01919

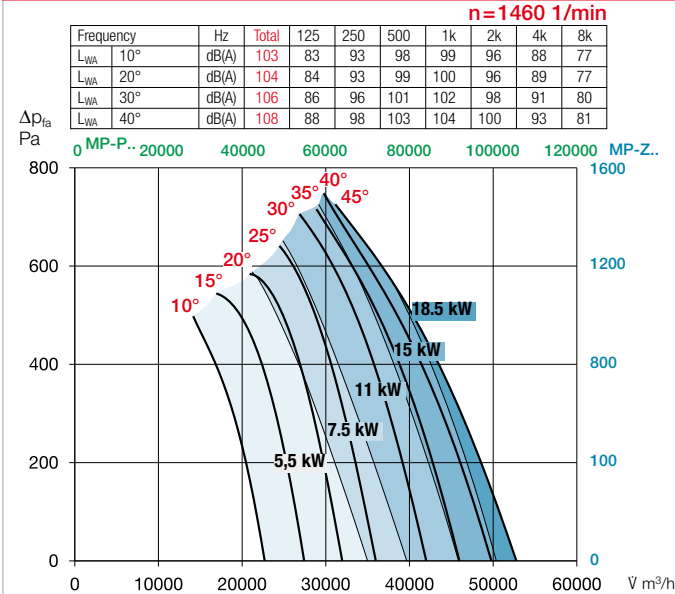
Dimensions MP-Z 800



Dimensions MP-P 800



Performance curves AMD / B AMD 800/4



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Special designs	
Special design with inspection open. (add. cost) upon request.	

Accessory details	Page
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Type	Ref. no.	Speed	Nominal motor power (output)	Nominal voltage	Nominal current	Dim. B motor protrusion	Wiring diagram	max. air flow temp. ¹⁾	Net weight approx.	Full motor protection or Smoke exhaust fan control system	Anti-vibration mounts ²⁾				
		min ⁻¹	kW	V	A	mm	No.	+°C	kg	Type	Ref. no.	Type	Ref. no.	Type	Ref. no.
60° Three phase motor, 400 V, 50 Hz, protection class IP55											Full motor protection				
AMD 800/4 5,5 kW	03311	1470	5.5	400 ³⁾	10.7	65	776	60	174	MSA	01289	SDD 3	01367	SDZ 3	01366
AMD 800/4 7,5 kW	03312	1460	7.5	400 ³⁾	14.2	100	776	60	185	MSA	01289	SDD 3	01367	SDZ 3	01366
AMD 800/4 11 kW	03313	1470	11	400 ³⁾	20.9	165	776	60	260	MSA	01289	SDD 3	01367	SDZ 3	01366
AMD 800/4 15 kW	03314	1465	15	400 ³⁾	27.9	210	776	60	270	MSA	01289	SDD 3 ⁴⁾	01367	SDZ 6 ⁴⁾	01927
AMD 800/4 18,5 kW	03315	1470	18.5	400 ³⁾	35.1	250	776	60	290	MSA	01289	SDD 3 ⁴⁾	01367	SDZ 6 ⁴⁾	01927
60° Pole-switching, 2 speed, three phase motor, Dahlander winding YYY, 400 V, 50 Hz, protection class IP55															
AMD 800/8/4 1,5/6,3 kW	03316	680/1440	1.5/6.3	400	4.5/12.3	100	777	60	200	—		SDD 3	01367	SDZ 3	01366
AMD 800/8/4 2/8,9 kW	03317	690/1450	2.0/8.9	400	5.3/17.8	165	777	60	270	—		SDD 3	01367	SDZ 3	01366
AMD 800/8/4 2,7/12 kW	03318	700/1460	2.7/12	400	7.1/24.0	210	777	60	280	—		SDD 3 ⁴⁾	01367	SDZ 6 ⁴⁾	01927
AMD 800/8/4 4/16 kW	03319	720/1460	4.0/16.0	400	10.6/30.9	250	777	60	310	—		SDD 3 ⁴⁾	01367	SDZ 7 ⁴⁾	01929
F300 Three phase motor, 400 V, 50 Hz, protection class IP55											Smoke exhaust fan control system				
B AMD 800/4 5,5 kW F300	03514	1470	5.5	400 ³⁾	10.7	34	776	60/300	183	EVS-SD 002	04585	SDD 5	01924	SDZ 5	01925
B AMD 800/4 7,5 kW F300	03515	1460	7.5	400 ³⁾	14.2	73	776	60/300	191	EVS-SD 003	04584	SDD 5	01924	SDZ 5	01925
B AMD 800/4 11 kW F300	03516	1470	11	400 ³⁾	20.9	151	776	60/300	230	EVS-SD 004	04583	SDD 6	01926	SDZ 6	01927
B AMD 800/4 15 kW F300	03517	1465	15	400 ³⁾	27.9	195	776	60/300	240	EVS-SD 005	04582	SDD 6 ⁴⁾	01926	SDZ 6 ⁴⁾	01927
B AMD 800/4 18,5 kW F300	03518	1470	18.5	400 ³⁾	35.1	217	776	60/300	300	EVS-SD 006	04581	SDD 6 ⁴⁾	01926	SDZ 6 ⁴⁾	01927
F300 Pole-switching, 2 speed, three phase motor, Dahlander winding YYY, 400 V, 50 Hz, protection class IP55															
B AMD 800/8/4 1,3/5 kW F300	03519	735/1475	1.3/5.0	400	3.8/10.4	34	777	60/300	190	EVS-DA 053	04192	SDD 5	01924	SDZ 5	01925
B AMD 800/8/4 1,8/7,2 kW F300	03520	735/1475	1.8/7.2	400	5.3/15.0	73	777	60/300	210	EVS-DA 002	04547	SDD 6	01926	SDZ 6	01927
B AMD 800/8/4 3/11 kW F300	03521	730/1470	3.0/11.0	400	7.0/21.7	195	777	60/300	240	EVS-DA 054	04194	SDD 6 ⁴⁾	01926	SDZ 6 ⁴⁾	01927
B AMD 800/8/4 4,3/17 kW F300	03522	730/1475	4.3/17.0	400	12.7/33.4	217	777	60/300	290	EVS-DA 055	04196	SDD 6 ⁴⁾	01926	SDZ 6 ⁴⁾	01927
F400 Three phase motor, 400 V, 50 Hz, protection class IP55															
B AMD 800/4 5,5 kW F400	03255	1470	5.5	400 ³⁾	10.7	34	776	60/400	185	EVS-SD 002	04585	SDD 5	01924	SDZ 5	01925
B AMD 800/4 7,5 kW F400	03256	1460	7.5	400 ³⁾	14.2	73	776	60/400	192	EVS-SD 003	04584	SDD 5	01924	SDZ 5	01925
B AMD 800/4 11 kW F400	03257	1470	11	400 ³⁾	20.9	151	776	60/400	240	EVS-SD 004	04583	SDD 6	01926	SDZ 6	01927
B AMD 800/4 15 kW F400	03258	1465	15	400 ³⁾	27.9	195	776	60/400	250	EVS-SD 005	04582	SDD 6 ⁴⁾	01926	SDZ 6 ⁴⁾	01927
B AMD 800/4 18,5 kW F400	03259	1470	18.5	400 ³⁾	35.1	217	776	60/400	300	EVS-SD 006	04581	SDD 6 ⁴⁾	01926	SDZ 6 ⁴⁾	01927
F400 Pole-switching, 2 speed, three phase motor, Dahlander winding YYY, 400 V, 50 Hz, protection class IP55															
B AMD 800/8/4 1,3/5 kW F400	03260	735/1475	1.3/5.0	400	3.8/10.4	34	777	60/400	190	EVS-DA 053	04192	SDD 5	01924	SDZ 5	01925
B AMD 800/8/4 1,8/7,2 kW F400	03261	735/1475	1.8/7.2	400	5.3/15.0	73	777	60/400	210	EVS-DA 002	04547	SDD 6	01926	SDZ 6	01927
B AMD 800/8/4 3/11 kW F400	03262	730/1470	3.0/11.0	400	7.0/21.7	195	777	60/400	240	EVS-DA 054	04194	SDD 6 ⁴⁾	01926	SDZ 6 ⁴⁾	01927
B AMD 800/8/4 4,3/17 kW F400	03263	730/1475	4.3/17.0	400	12.7/33.4	217	777	60/400	290	EVS-DA 055	04196	SDD 6 ⁴⁾	01926	SDZ 6 ⁴⁾	01927

The flow volume and pressure increase information is required to determine the pitch angle.
²⁾ For Z/P version due to higher total weight Type allocation according to tables on page 157.
⁴⁾ Extension duct VR.. required over the motor protrusion.

¹⁾ For ventilation / smoke extraction (once 120 min.).
³⁾ γ/Δ start-up.