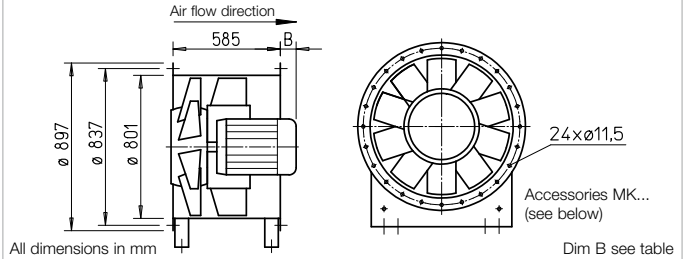
AMD / B AMD 800



60 °C F300 F400

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



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 on 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.

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

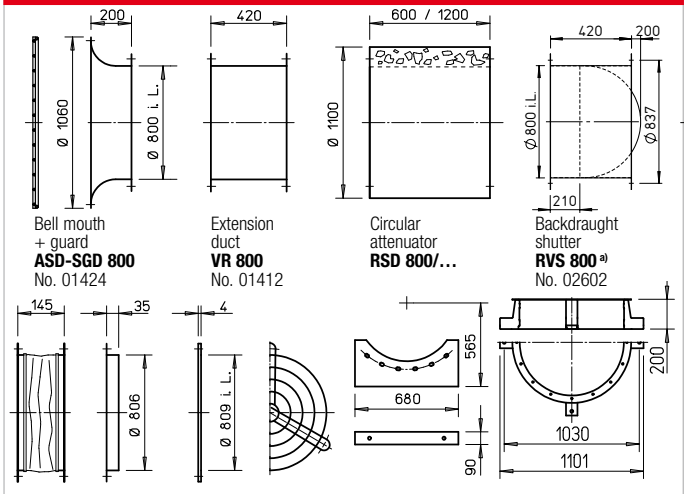
MP-Z 800 Ref. no. 04911

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

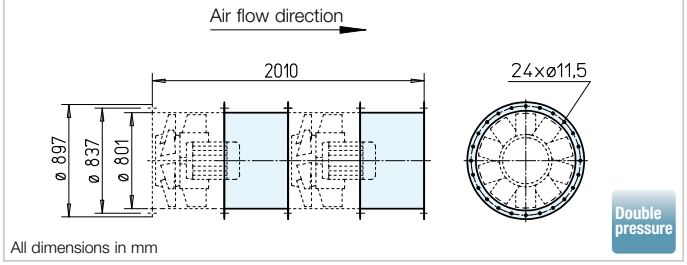
MP-P 800 Ref. no. 04895

Accessories for AMD / B AMD 800

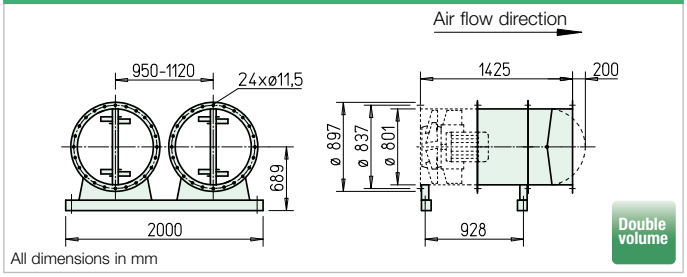


Bell mouth + guard **ASD-SGD 800** No. 01424
Extension duct **VR 800** No. 01412
Circular attenuator **RSD 800/...**
Backdraught shutter **RVS 800** [a] No. 02602
Flanged flex. connector **STS 800** [b] No. 01233
Counter flange **FR 800** No. 01198
Flat flange **FF 800** No. 04951
Duct-side guard **SG 800** No. 01245
Mounting brackets **MK 800** (1 set = 2 pcs.) No. 01373
Mounting ring for vertical fixing **MRV 800** No. 01744

Dimensions MP-Z 800



Dimensions MP-P 800

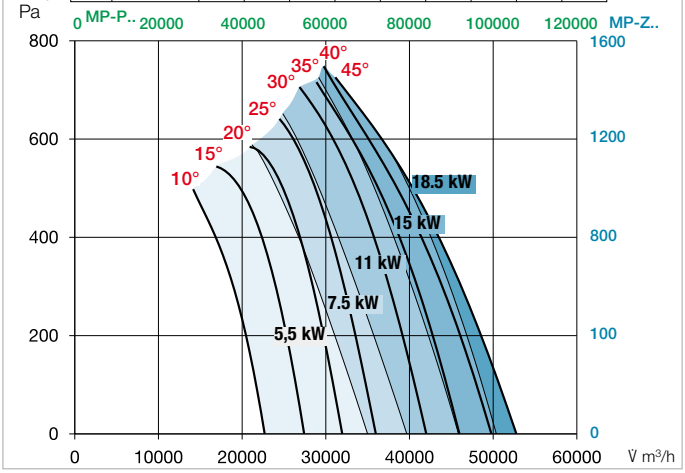


[a] Backdraught shutter, motorised, for ventilation, see main Helios catalogue. [b] Type for B AMD: STSB 800 F400, No. 01919

Performance curves AMD / B AMD 800/4

n=1460 1/min

Frequency		Hz	Total	125	250	500	1k	2k	4k	8k
L_{WA}	10°	dB(A)	103	83	93	98	99	96	88	77
L_{WA}	20°	dB(A)	104	84	93	99	100	96	89	77
L_{WA}	30°	dB(A)	106	86	96	101	102	98	91	80
L_{WA}	40°	dB(A)	108	88	98	103	104	100	93	81



Information	Page
Techn. description	60
Project planning information	10 ff.

Special designs

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

Accessory details	Page
Mounting accessories	167 ff.
Attenuators	172 ff.
Gas warning systems, switch and control technology	174 ff.
Frequency inverters	184 ff.

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] Pressure		Tensile	
		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 ϒ/ϒϒ, 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 ϒ/ϒϒ, 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 ϒ/ϒϒ, 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.

[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.

[3] ϒ/Δ start-up.

[4] Extension duct VR.. required over the motor protrusion.