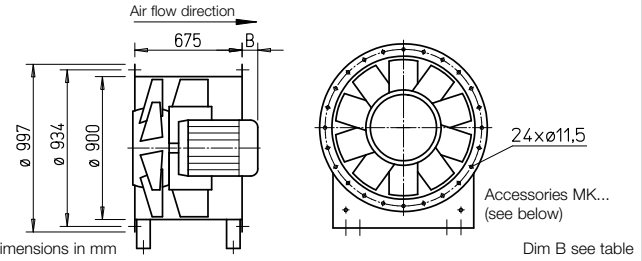
AMD / B AMD 900



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 900



All dimensions in mm — Dim B see table

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: 68 kg

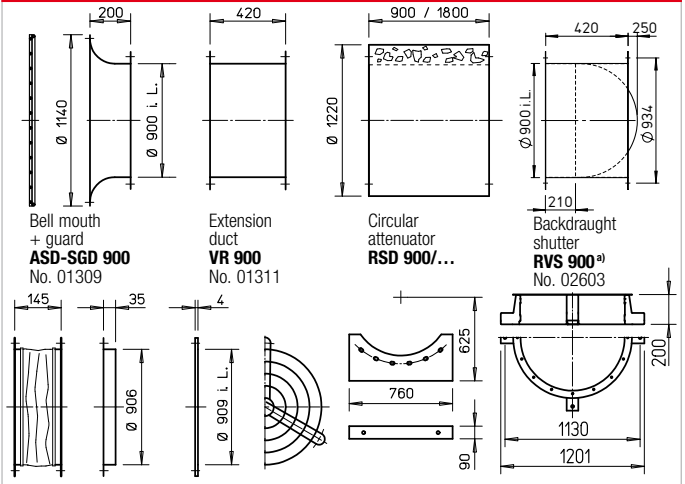
MP-Z 900 Ref. no. 04912

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: 235 kg

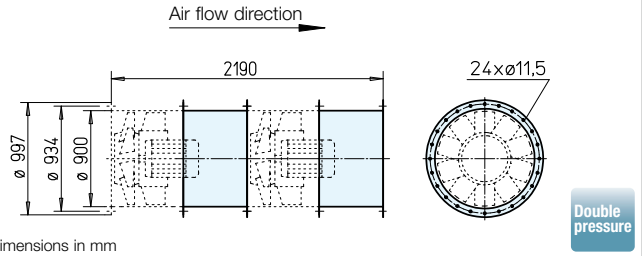
MP-P 900 Ref. no. 04896

Accessories for AMD / B AMD 900



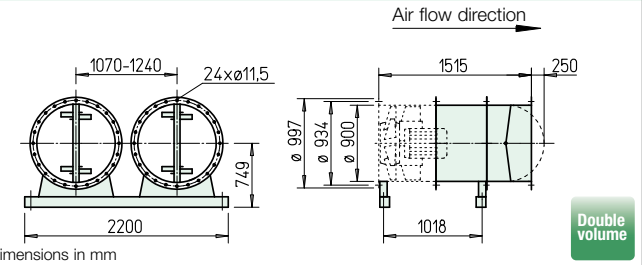
Bell mouth + guard **ASD-SGD 900** No. 01309
Extension duct **VR 900** No. 01311
Circular attenuator **RSD 900/...**
Backdraught shutter **RVS 900** [a] No. 02603
Flanged flex. connector **STS 900** [b] No. 01234
Counter flange **FR 900** No. 01199
Flat flange **FF 900** No. 04952
Duct-side guard **SG 900** No. 01246
Mounting brackets **MK 900** (1 set = 2 pcs.) No. 01374
Mounting ring for vertical fixing **MRV 900** No. 01745

Dimensions MP-Z 900



All dimensions in mm — Double pressure

Dimensions MP-P 900



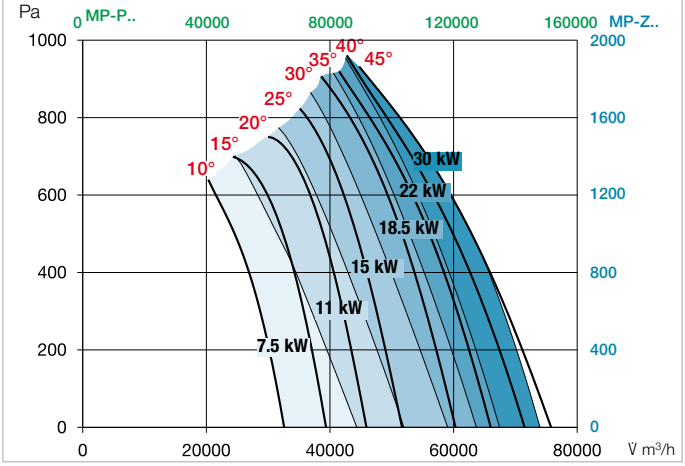
All dimensions in mm — Double volume

[a] Backdraught shutter, motorised, for ventilation, see main Helios catalogue. [b] Type for B AMD: STSB 900 F400, No. 01920

Performance curves AMD / B AMD 900/4

n=1470 1/min

Frequency		Hz	Total	125	250	500	1k	2k	4k	8k
L_{WA}	10°	dB(A)	107	86	96	102	103	99	92	80
L_{WA}	20°	dB(A)	107	87	97	102	103	100	92	81
L_{WA}	30°	dB(A)	110	89	99	105	106	102	95	83
L_{WA}	40°	dB(A)	112	91	101	107	107	104	97	85



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 900/4 7,5 kW	03322	1460	7.5	400[3]	14.2	50	776	60	240	**MSA**	01289	**SDD 3**	01367	**SDZ 3**	01366
AMD 900/4 11 kW	03323	1470	11	400[3]	20.9	50	776	60	310	**MSA**	01289	**SDD 3**	01367	**SDZ 6**	01927
AMD 900/4 15 kW	03324	1465	15	400[3]	27.9	110	776	60	320	**MSA**	01289	**SDD 3**	01367	**SDZ 6**	01927
AMD 900/4 18,5 kW	03325	1470	18.5	400[3]	35.1	190	776	60	340	**MSA**	01289	**SDD 3**	01367	**SDZ 7**	01929
AMD 900/4 22 kW	03326	1470	22	400[3]	41.0	230	776	60	350	**MSA**	01289	**SDD 3**[4]	01367	**SDZ 7**[4]	01929
AMD 900/4 30 kW	03327	1480	30	400[3]	57.1	290	776	60	410	**MSA**	01289	**SDD 3**[4]	01367	**SDZ 7**[4]	01929
60° **Pole-switching, 2 speed, three phase motor, Dahlander winding ⅄/⅄⅄, 400 V, 50 Hz, protection class IP55**															
AMD 900/8/4 2,7/12 kW	03328	700/1460	2.7/12	400	7.1/24.0	110	777	60	330	—		**SDD 3**	01367	**SDZ 6**	01927
AMD 900/8/4 4/16 kW	03329	720/1460	4.0/16.0	400	10.6/30.9	190	777	60	360	—		**SDD 3**	01367	**SDZ 7**	01929
AMD 900/8/4 5/19,5 kW	03330	720/1470	5.0/19.5	400	12.9/37.2	230	777	60	370	—		**SDD 3**[4]	01367	**SDZ 7**[4]	01929
AMD 900/8/4 7,5/29 kW	03331	720/1470	7.5/29.0	400	18.9/54.7	290	777	60	440	—		**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 900/4 7,5 kW F300	03525	1460	7.5	400[3]	14.2	22	776	60/300	250	**EVS-SD 003**	04584	**SDD 6**	01926	**SDZ 6**	01927
B AMD 900/4 11 kW F300	03526	1470	11	400[3]	20.9	100	776	60/300	280	**EVS-SD 004**	04583	**SDD 6**	01926	**SDZ 6**	01927
B AMD 900/4 15 kW F300	03527	1465	15	400[3]	27.9	144	776	60/300	290	**EVS-SD 005**	04582	**SDD 6**	01926	**SDZ 6**	01927
B AMD 900/4 18,5 kW F300	03528	1470	18.5	400[3]	35.1	166	776	60/300	350	**EVS-SD 006**	04581	**SDD 7**	01928	**SDZ 7**	01929
B AMD 900/4 22 kW F300	03529	1470	22	400[3]	41.0	204	776	60/300	360	**EVS-SD 007**	04580	**SDD 7**[4]	01928	**SDZ 7**[4]	01929
B AMD 900/4 30 kW F300	03530	1480	30	400[3]	57.1	230	776	60/300	420	**EVS-SD 008**	04579	**SDD 7**[4]	01928	**SDZ 7**[4]	01929
F300 **Pole-switching, 2 speed, three phase motor, Dahlander winding ⅄/⅄⅄, 400 V, 50 Hz, protection class IP55**															
B AMD 900/8/4 3/11 kW F300	03535	730/1470	3.0/11.0	400	7.0/21.7	144	777	60/300	290	**EVS-DA 054**	04194	**SDD 6**	01926	**SDZ 6**	01927
B AMD 900/8/4 4,3/17 kW F300	03536	730/1475	4.3/17.0	400	12.7/33.4	166	777	60/300	340	**EVS-DA 055**	04196	**SDD 7**	01928	**SDZ 7**	01929
B AMD 900/8/4 5/20 kW F300	03537	730/1470	5.0/20.0	400	14.1/38.6	204	777	60/300	350	**EVS-DA 004**	04545	**SDD 7**[4]	01928	**SDZ 7**[4]	01929
B AMD 900/8/4 6,5/28 kW F300	03538	735/1480	6.5/28.0	400	18.0/52.0	230	777	60/300	410	**EVS-DA 056**	04202	**SDD 7**[4]	01928	**SDZ 7**[4]	01929
F400 **Three phase motor, 400 V, 50 Hz, protection class IP55**															
B AMD 900/4 7,5 kW F400	03264	1460	7.5	400[3]	14.2	22	776	60/400	250	**EVS-SD 003**	04584	**SDD 6**	01926	**SDZ 6**	01927
B AMD 900/4 11 kW F400	03265	1470	11	400[3]	20.9	100	776	60/400	290	**EVS-SD 004**	04583	**SDD 6**	01926	**SDZ 6**	01927
B AMD 900/4 15 kW F400	03266	1465	15	400[3]	27.9	144	776	60/400	300	**EVS-SD 005**	04582	**SDD 6**	01926	**SDZ 6**	01927
B AMD 900/4 18,5 kW F400	03267	1470	18.5	400[3]	35.1	166	776	60/400	350	**EVS-SD 006**	04581	**SDD 7**	01928	**SDZ 7**	01929
B AMD 900/4 22 kW F400	03268	1470	22	400[3]	41.0	204	776	60/400	360	**EVS-SD 007**	04580	**SDD 7**[4]	01928	**SDZ 7**[4]	01929
F400 **Pole-switching, 2 speed, three phase motor, Dahlander winding ⅄/⅄⅄, 400 V, 50 Hz, protection class IP55**															
B AMD 900/8/4 3/11 kW F400	03269	730/1470	3.0/11.0	400	7.0/21.7	144	777	60/400	290	**EVS-DA 054**	04194	**SDD 6**	01926	**SDZ 6**	01927
B AMD 900/8/4 4,3/17 kW F400	03270	730/1475	4.3/17.0	400	12.7/33.4	166	777	60/400	340	**EVS-DA 055**	04196	**SDD 7**	01928	**SDZ 7**	01929
B AMD 900/8/4 5/20 kW F400	03271	730/1470	5.0/20.0	400	14.1/38.6	204	777	60/400	350	**EVS-DA 004**	04545	**SDD 7**[4]	01928	**SDZ 7**[4]	01929

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] ⅄/Δ start-up.

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