

AMD / B AMD 560



■ **Description, Installation, Casing, Air flow direction, etc.**
 see page 56.

■ **Impeller**

- Hub and blades made from corrosion-resistant aluminium alloy. Ten aerodynamically profiled blades achieve the highest level 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

■ **Information**

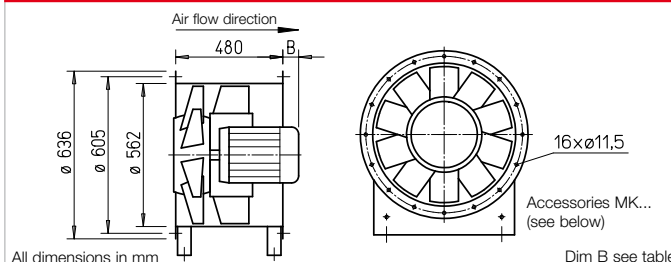
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Project planning information	10 ff.

■ **Special designs**

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

Dimensions AMD / B AMD 560



■ **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: 32 kg

MP-Z 560

Ref. no. 04908

Double volume

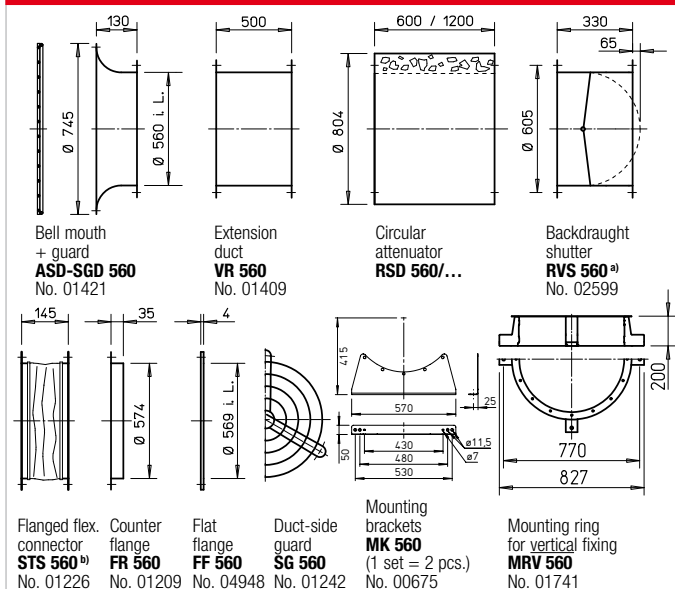
■ **Mounting package MP-P for parallel P unit**

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: 82 kg

MP-P 560

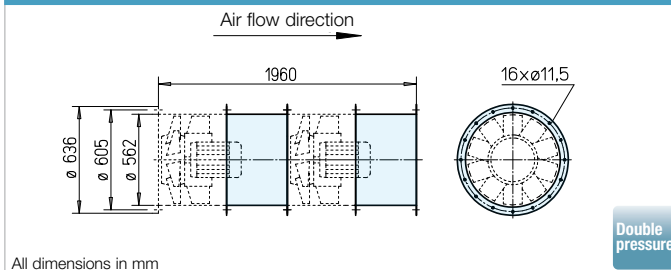
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Accessories for AMD / B AMD 560

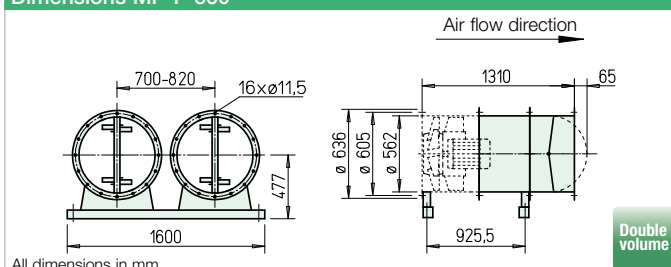


^{a)} Backdraught shutter, motorised, for ventilation, see main Helios catalogue. ^{b)} Type for B AMD: STSB 560 F400, No. 01916

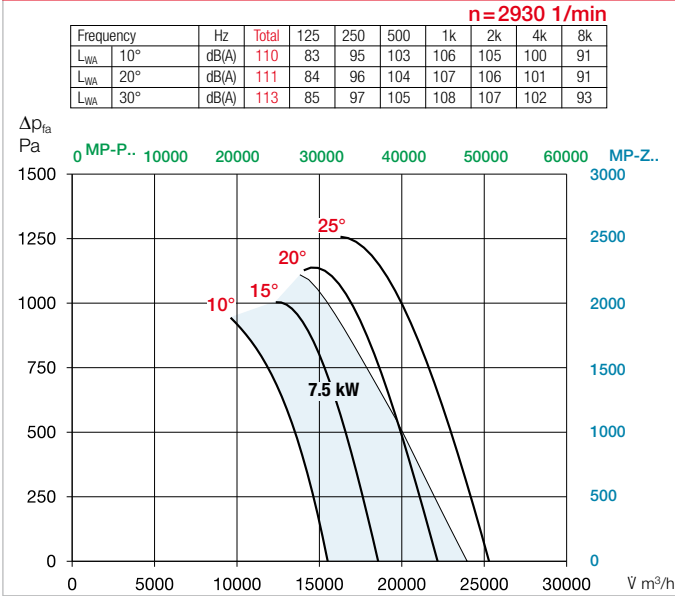
Dimensions MP-Z 560



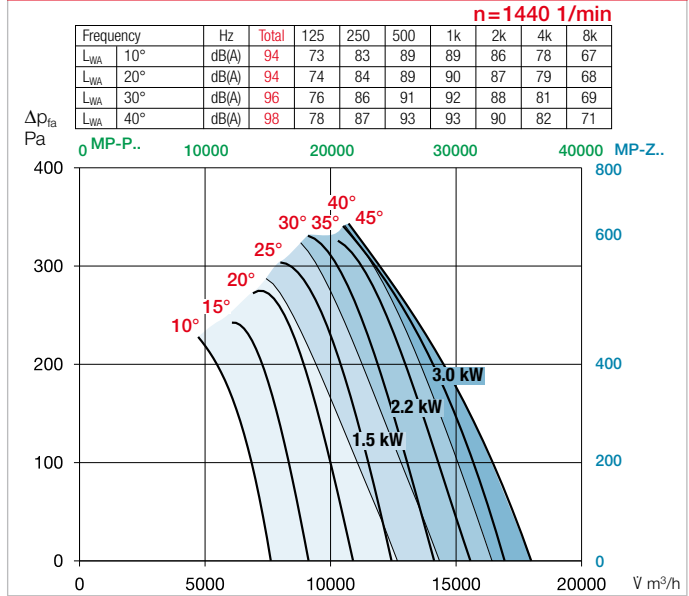
Dimensions MP-P 560



Performance curves AMD / B AMD 560/2



Performance curves AMD / B AMD 560/4



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.	Pressure Type Ref. no.	Tensile Type Ref. no.		
60° Three phase motor, 400 V, 50 Hz, protection class IP55											Full motor protection			
AMD 560/4 1,1 kW	03281	1440	1.1	400	2.5	0	796	60	61	MSA 01289	SDD 1 01452	SDZ 2 01455		
AMD 560/4 1,5 kW	03282	1440	1.5	400	3.3	0	796	60	64	MSA 01289	SDD 1 01452	SDZ 2 01455		
AMD 560/4 2,2 kW	03285	1455	2.2	400	4.5	40	796	60	74	MSA 01289	SDD 1 01452	SDZ 2 01455		
AMD 560/4 3 kW	03286	1455	3	400 ³⁾	6.0	40	776	60	80	MSA 01289	SDD 2 01453	SDZ 2 01455		
AMD 560/2 7,5 kW	03279	2930	7.5	400 ³⁾	14.1	100	776	60	123	MSA 01289	SDD 2 01453	SDZ 2 01455		
60° Pole-switching, 2 speed, three phase motor, Dahlander winding Y/YY, 400 V, 50 Hz, protection class IP55														
AMD 560/8/4 0,55/2 kW	03272	680/1410	0.55/2.0	400	2.0/4.5	0	777	60	79	—	SDD 2 01453	SDZ 2 01455		
AMD 560/8/4 0,65/2,4 kW	03290	680/1410	0.65/2.4	400	2.5/5.5	40	777	60	79	—	SDD 2 01453	SDZ 2 01455		
AMD 560/4/2 2/8 kW	03287	1410/2900	2.0/8.0	400	4.7/14.9	100	777	60	149	—	SDD 2 01453	SDZ 2 01455		
F300 Three phase motor, 400 V, 50 Hz, protection class IP55											Smoke exhaust fan control system			
B AMD 560/4 1,1 kW F300	03391	1440	1.1	400	2.5	0	776	60/300	65	EVS-D 001 04594	SDD 1 F 01942	SDZ 1 F 01943		
B AMD 560/4 1,5 kW F300	03392	1440	1.5	400	3.3	0	776	60/300	68	EVS-D 001 04594	SDD 1 F 01942	SDZ 1 F 01943		
B AMD 560/4 2,2 kW F300	03393	1455	2.2	400	4.5	0	776	60/300	74	EVS-D 001 04594	SDD 1 F 01942	SDZ 1 F 01943		
B AMD 560/4 3 kW F300	03394	1455	3	400 ³⁾	6.0	12	776	60/300	77	EVS-SD 001 04586	SDD 4 01944	SDZ 4 01945		
B AMD 560/2 7,5 kW F300	03389	2930	7.5	400 ³⁾	14.1	67	776	60/300	140	EVS-SD 003 04584	SDD 5 01924	SDZ 5 01925		
F300 Pole-switching, 2 speed, three phase motor, Dahlander winding Y/YY, 400 V, 50 Hz, protection class IP55														
B AMD 560/8/4 0,4/1,6 kW F300	03396	700/1440	0.4/1.6	400	1.7/4.0	0	777	60/300	67	EVS-DA 001 04548	SDD 1 F 01942	SDZ 1 F 01943		
B AMD 560/8/4 0,55/2,2 kW F300	03397	700/1430	0.55/2.2	400	2.0/4.8	12	777	60/300	74	EVS-DA 001 04548	SDD 1 F 01942	SDZ 1 F 01943		
B AMD 560/8/4 0,7/2,8 kW F300	03398	710/1440	0.7/2.8	400	2.5/6.0	12	777	60/300	77	EVS-DA 001 04548	SDD 4 01944	SDZ 4 01945		
B AMD 560/4/2 2/8 kW F300	03395	1470/2930	2.0/8.0	400	4.8/15.3	105	777	60/300	138	EVS-DA 054 04194	SDD 5 01924	SDZ 5 01925		
F400 Three phase motor, 400 V, 50 Hz, protection class IP55														
B AMD 560/4 1,1 kW F400	03222	1440	1.1	400	2.5	0	776	60/400	66	EVS-D 001 04594	SDD 1 F 01942	SDZ 1 F 01943		
B AMD 560/4 1,5 kW F400	03223	1440	1.5	400	3.3	0	776	60/400	68	EVS-D 001 04594	SDD 1 F 01942	SDZ 1 F 01943		
B AMD 560/4 2,2 kW F400	03224	1455	2.2	400	4.5	0	776	60/400	76	EVS-D 001 04594	SDD 4 01944	SDZ 4 01945		
B AMD 560/4 3 kW F400	03225	1455	3	400 ³⁾	6.0	12	776	60/400	78	EVS-SD 001 04586	SDD 4 01944	SDZ 4 01945		
B AMD 560/2 7,5 kW F400	03220	2930	7.5	400 ³⁾	14.1	67	776	60/400	144	EVS-SD 003 04584	SDD 5 01924	SDZ 5 01925		
F400 Pole-switching, 2 speed, three phase motor, Dahlander winding Y/YY, 400 V, 50 Hz, protection class IP55														
B AMD 560/8/4 0,4/1,6 kW F400	03227	700/1440	0.4/1.6	400	1.7/4.0	0	777	60/400	67	EVS-DA 001 04548	SDD 1 F 01942	SDZ 1 F 01943		
B AMD 560/8/4 0,55/2,2 kW F400	03228	700/1430	0.55/2.2	400	2.0/4.8	12	777	60/400	74	EVS-DA 001 04548	SDD 1 F 01942	SDZ 1 F 01943		
B AMD 560/8/4 0,7/2,8 kW F400	03229	710/1440	0.7/2.8	400	2.5/6.0	12	777	60/400	77	EVS-DA 001 04548	SDD 4 01944	SDZ 4 01945		
B AMD 560/4/2 2/8 kW F400	03226	1470/2930	2.0/8.0	400	4.8/15.3	105	777	60/400	138	EVS-DA 054 04194	SDD 5 01924	SDZ 5 01925		

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.

¹⁾ For ventilation / smoke extraction (once 120 min.).

³⁾ Y/Δ start-up.