

AMD / B AMD 315



■ **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.

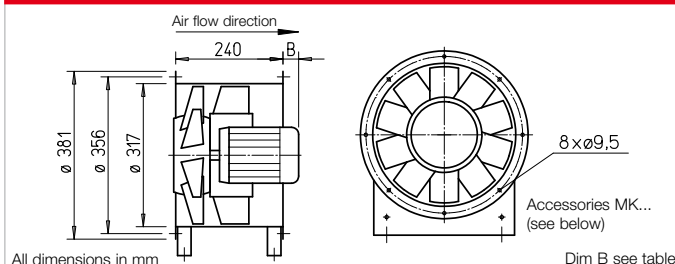
■ **Motor protection**

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

Dimensions AMD / B AMD 315



■ **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: 7.5 kg

MP-Z 315

Ref. no. 04903

Double volume

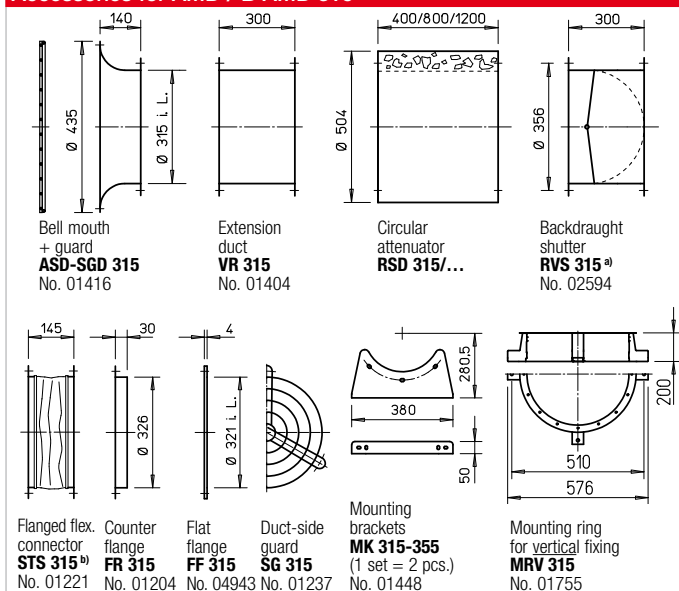
■ **Mounting package MP-P for parallel P unit**

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: 25 kg

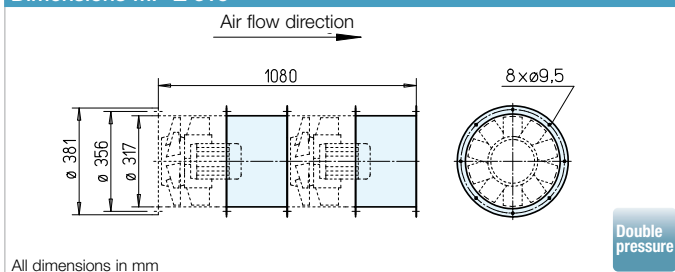
MP-P 315

Ref. no. 04887

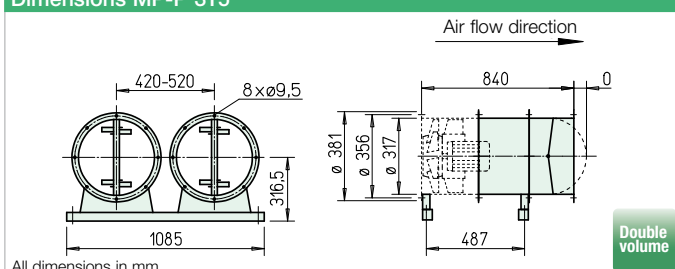
Accessories for AMD / B AMD 315



Dimensions MP-Z 315

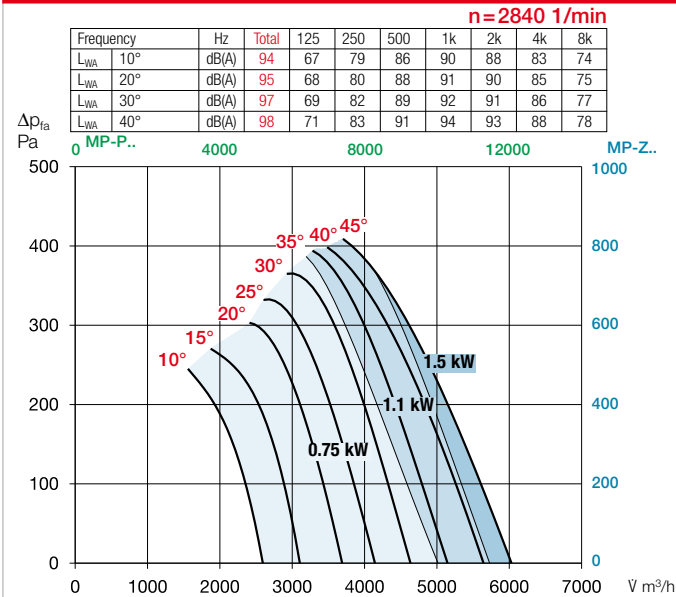


Dimensions MP-P 315



^{a)} Backdraught shutter, motorised, for ventilation, see main Helios catalogue. ^{b)} Type for B AMD: STSB 315 F400, No. 14738

Performance curves AMD / B AMD 315/2



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

Accessory details	Page
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Gas warning systems, switch and control technology	170 ff.
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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.	Pressure Type Ref. no.	Tensile Type Ref. no.		
60° Three phase motor, 400 V, 50 Hz, protection class IP55											Full motor protection			
AMD 315/2 0,75 kW	03053	2890	0.75	400	1.6	125	796	60	23	MSA 01289	SDD 1 01452	SDZ 1 01454		
AMD 315/2 1,1 kW	03054	2890	1.1	400	2.3	125	796	60	25	MSA 01289	SDD 1 01452	SDZ 1 01454		
AMD 315/2 1,5 kW	03055	2890	1.5	400	3.1	125	796	60	23	MSA 01289	SDD 1 01452	SDZ 1 01454		
60° Pole-switching, 2 speed, three phase motor, Dahlander winding Y/YY, 400 V, 50 Hz, protection class IP55											Smoke exhaust fan control system			
AMD 315/4/2 0,17/0,75 kW	03056	1310/2835	0.17/0.75	400	0.8/1.9	125	777	60	27	—	SDD 1 01452	SDZ 1 01454		
AMD 315/4/2 0,25/0,95 kW	03057	1340/2835	0.25/0.95	400	0.9/2.3	125	777	60	29	—	SDD 1 01452	SDZ 1 01454		
F300 Three phase motor, 400 V, 50 Hz, protection class IP55											Smoke exhaust fan control system			
B AMD 315/2 0,75 kW F300	03332	2890	0.75	400	1.6	103	776	60/300	26	EVS-D 001 04594	SDD 1 F 01942	SDZ 1 F 01943		
B AMD 315/2 1,1 kW F300	03333	2890	1.1	400	2.3	103	776	60/300	27	EVS-D 001 04594	SDD 1 F 01942	SDZ 1 F 01943		
F300 Pole-switching, 2 speed, three phase motor, Dahlander winding Y/YY, 400 V, 50 Hz, protection class IP55											Smoke exhaust fan control system			
B AMD 315/4/2 0,2/0,8 kW F300	03335	1400/2820	0.2/0.8	400	0.6/1.9	103	777	60/300	26	EVS-DA 001 04548	SDD 1 F 01942	SDZ 1 F 01943		
B AMD 315/4/2 0,25/1,1 kW F300	03336	1390/2810	0.25/1.1	400	0.8/2.5	103	777	60/300	27	EVS-DA 001 04548	SDD 1 F 01942	SDZ 1 F 01943		
F400 Three phase motor, 400 V, 50 Hz, protection class IP55											Smoke exhaust fan control system			
B AMD 315/2 0,75 kW F400	03164	2890	0.75	400	1.6	103	776	60/400	26	EVS-D 001 04594	SDD 1 F 01942	SDZ 1 F 01943		
B AMD 315/2 1,1 kW F400	03165	2890	1.1	400	2.3	103	776	60/400	27	EVS-D 001 04594	SDD 1 F 01942	SDZ 1 F 01943		
F400 Pole-switching, 2 speed, three phase motor, Dahlander winding Y/YY, 400 V, 50 Hz, protection class IP55											Smoke exhaust fan control system			
B AMD 315/4/2 0,2/0,8 kW F400	03177	1400/2820	0.2/0.8	400	0.6/1.9	103	777	60/400	26	EVS-DA 001 04548	SDD 1 F 01942	SDZ 1 F 01943		
B AMD 315/4/2 0,25/1,1 kW F400	03178	1390/2810	0.25/1.1	400	0.8/2.5	103	777	60/400	27	EVS-DA 001 04548	SDD 1 F 01942	SDZ 1 F 01943		

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.).