

AMD / B AMD 1000



■ **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.

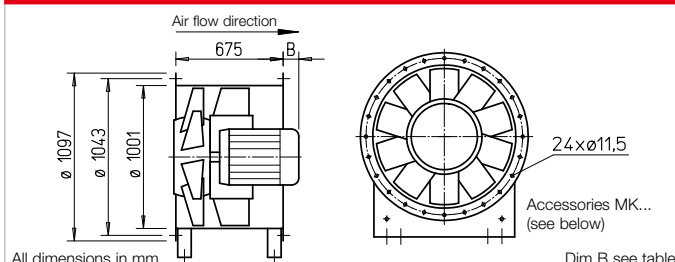
■ **Motor protection**

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 1000



■ **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: 75 kg

MP-Z 1000

Ref. no. 04913

Double volume

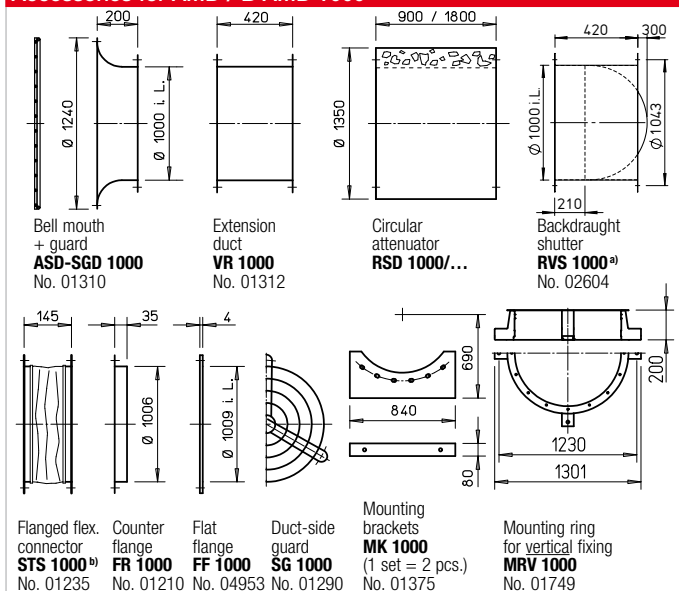
■ **Mounting package MP-P for parallel P unit**

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: 255 kg

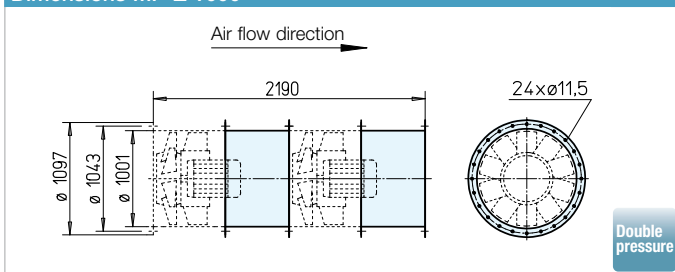
MP-P 1000

Ref. no. 04897

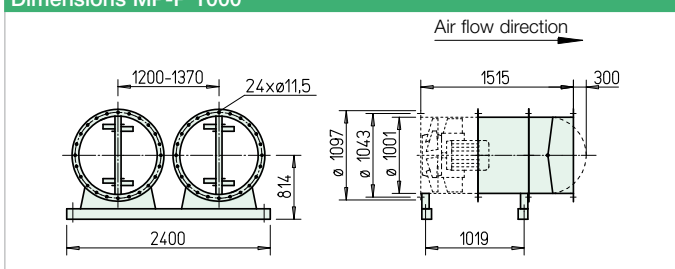
Accessories for AMD / B AMD 1000



Dimensions MP-Z 1000

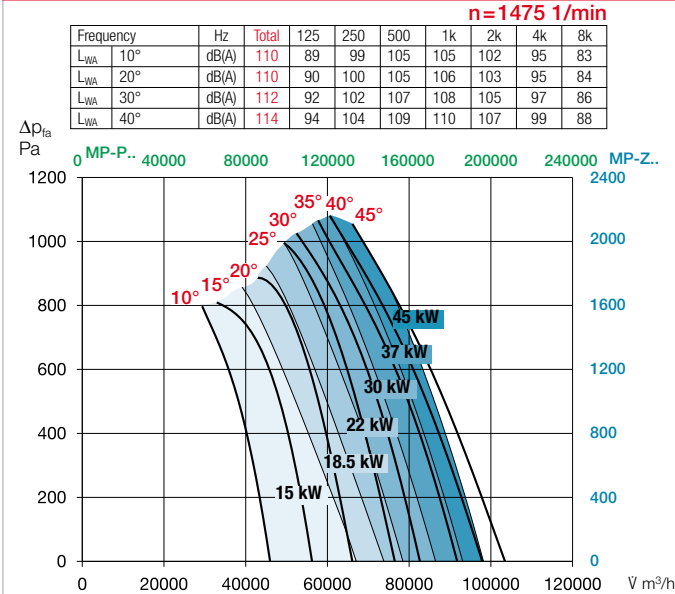


Dimensions MP-P 1000



a) Backdraught shutter, motorised, for ventilation, see main Helios catalogue. b) Type for B AMD: STSB 1000 F400, No. 01921

Performance curves AMD / B AMD 1000/4



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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	174 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⁾				
											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 1000/4 15 kW	03667	1465	15	400 ³⁾	27.9	160	776	60	360	MSA	01289	SDD 3	01367	SDZ 7	01929
AMD 1000/4 18,5 kW	03668	1470	18.5	400 ³⁾	35.1	195	776	60	370	MSA	01289	SDD 3	01367	SDZ 7	01929
AMD 1000/4 22 kW	03669	1470	22	400 ³⁾	41.0	235	776	60	390	MSA	01289	SDD 3	01367	SDZ 7	01929
AMD 1000/4 30 kW	03670	1480	30	400 ³⁾	57.1	290	776	60	450	MSA	01289	SDD 3 ⁴⁾	01367	SDZ 7 ⁴⁾	01929
AMD 1000/4 37 kW	03671	1480	37	400 ³⁾	66.8	300	776	60	460	MSA	01289	SDD 3 ⁴⁾	01367	SDZ 7 ⁴⁾	01929
AMD 1000/4 45 kW	03672	1475	45	400 ³⁾	80.9	325	776	60	490	MSA	01289	SDD 3 ⁴⁾	01367	SDZ 8 ⁴⁾	01931
60° Pole-switching, 2 speed, three phase motor, Dahlander winding Ƴ/Ƴ, 400 V, 50 Hz, protection class IP55															
AMD 1000/8/4 4/16 kW	03674	720/1460	4.0/16.0	400	10.6/30.9	195	777	60	390	—	—	SDD 3	01367	SDZ 7	01929
AMD 1000/8/4 5/19,5 kW	03675	720/1470	5.0/19.5	400	12.9/37.2	235	777	60	410	—	—	SDD 3	01367	SDZ 7	01929
AMD 1000/8/4 7,5/29 kW	03676	720/1470	7.5/29.5	400	18.9/54.7	325	777	60	470	—	—	SDD 3 ⁴⁾	01367	SDZ 8 ⁴⁾	01931
AMD 1000/8/4 9,5/40 kW	03677	725/1475	9.5/40.0	400	24.3/72.1	300	777	60	530	—	—	SDD 3 ⁴⁾	01367	SDZ 8 ⁴⁾	01931
F300 Three phase motor, 400 V, 50 Hz, protection class IP55											Smoke exhaust fan control system				
B AMD 1000/4 15 kW F300	03630	1465	15	400 ³⁾	27.9	150	776	60/300	330	EVS-SD 005	04582	SDD 6	01926	SDZ 6	01927
B AMD 1000/4 18,5 kW F300	03631	1470	18.5	400 ³⁾	35.1	210	776	60/300	380	EVS-SD 006	04581	SDD 7	01928	SDZ 7	01929
B AMD 1000/4 22 kW F300	03632	1470	22	400 ³⁾	41.0	210	776	60/300	390	EVS-SD 007	04580	SDD 7	01928	SDZ 7	01929
B AMD 1000/4 30 kW F300	03633	1480	30	400 ³⁾	57.1	275	776	60/300	460	EVS-SD 008	04579	SDD 7 ⁴⁾	01928	SDZ 7 ⁴⁾	01929
B AMD 1000/4 37 kW F300	03634	1480	37	400 ³⁾	66.8	325	776	60/300	560	EVS-SD 009	04578	SDD 8 ⁴⁾	01930	SDZ 8 ⁴⁾	01931
B AMD 1000/4 45 kW F300	03635	1475	45	400 ³⁾	80.9	325	776	60/300	590	EVS-SD 009	04578	SDD 8 ⁴⁾	01930	SDZ 8 ⁴⁾	01931
F300 Pole-switching, 2 speed, three phase motor, Dahlander winding Ƴ/Ƴ, 400 V, 50 Hz, protection class IP55															
B AMD 1000/8/4 4,3/17 kW F300	03636	730/1475	4.3/17.0	400	12.7/33.4	170	777	60/300	370	EVS-DA 055	04196	SDD 7	01928	SDZ 7	01929
B AMD 1000/8/4 5/20 kW F300	03637	730/1470	5.0/20.0	400	14.1/38.6	210	777	60/300	390	EVS-DA 004	04545	SDD 7	01928	SDZ 7	01929
B AMD 1000/8/4 6,5/28 kW F300	03638	735/1480	6.5/28.0	400	18.0/52.0	275	777	60/300	450	EVS-DA 056	04202	SDD 7 ⁴⁾	01928	SDZ 7 ⁴⁾	01929
B AMD 1000/8/4 9,2/37 kW F300	03639	740/1485	9.2/37.0	400	25.4/74.2	325	777	60/300	570	EVS-DA 057	04209	SDD 8 ⁴⁾	01930	SDZ 8 ⁴⁾	01931
B AMD 1000/8/4 11/44 kW F300	03640	740/1480	11.0/44.0	400	27.2/84.1	325	777	60/300	630	EVS-DA 057	04209	SDD 8 ⁴⁾	01930	SDZ 8 ⁴⁾	01931
F400 Three phase motor, 400 V, 50 Hz, protection class IP55															
B AMD 1000/4 15 kW F400	03580	1465	15	400 ³⁾	27.9	150	776	60/400	330	EVS-SD 005	04582	SDD 6	01926	SDZ 6	01927
B AMD 1000/4 18,5 kW F400	03581	1470	18.5	400 ³⁾	35.1	210	776	60/400	390	EVS-SD 006	04581	SDD 7	01928	SDZ 7	01929
B AMD 1000/4 22 kW F400	03582	1470	22	400 ³⁾	41.0	210	776	60/400	390	EVS-SD 007	04580	SDD 7	01928	SDZ 7	01929
B AMD 1000/4 30 kW F400	03583	1480	30	400 ³⁾	57.1	275	776	60/400	460	EVS-SD 008	04579	SDD 7 ⁴⁾	01928	SDZ 7 ⁴⁾	01929
B AMD 1000/4 37 kW F400	03584	1480	37	400 ³⁾	66.8	325	776	60/400	590	EVS-SD 009	04578	SDD 8 ⁴⁾	01930	SDZ 8 ⁴⁾	01931
B AMD 1000/4 45 kW F400	03585	1475	45	400 ³⁾	80.9	325	776	60/400	590	EVS-SD 009	04578	SDD 8 ⁴⁾	01930	SDZ 8 ⁴⁾	01931
F400 Pole-switching, 2 speed, three phase motor, Dahlander winding Ƴ/Ƴ, 400 V, 50 Hz, protection class IP55															
B AMD 1000/8/4 4,3/17 kW F400	03597	730/1475	4.3/17.0	400	12.7/33.4	170	777	60/400	370	EVS-DA 055	04196	SDD 7	01928	SDZ 7	01929
B AMD 1000/8/4 5/20 kW F400	03598	730/1470	5.0/20.0	400	14.1/38.6	210	777	60/400	390	EVS-DA 004	04545	SDD 7	01928	SDZ 7	01929
B AMD 1000/8/4 6,5/28 kW F400	03599	735/1480	6.5/28.0	400	18.0/52.0	275	777	60/400	442	EVS-DA 056	04202	SDD 7 ⁴⁾	01928	SDZ 7 ⁴⁾	01929
B AMD 1000/8/4 9,2/37 kW F400	03600	740/1485	9.2/37.0	400	25.4/74.2	325	777	60/400	567	EVS-DA 057	04209	SDD 8 ⁴⁾	01930	SDZ 8 ⁴⁾	01931
B AMD 1000/8/4 11/44 kW F400	03601	740/1480	11.0/44.0	400	27.2/84.1	325	777	60/400	632	EVS-DA 057	04209	SDD 8 ⁴⁾	01930	SDZ 8 ⁴⁾	01931

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⁾ Ƴ/Δ start-up.