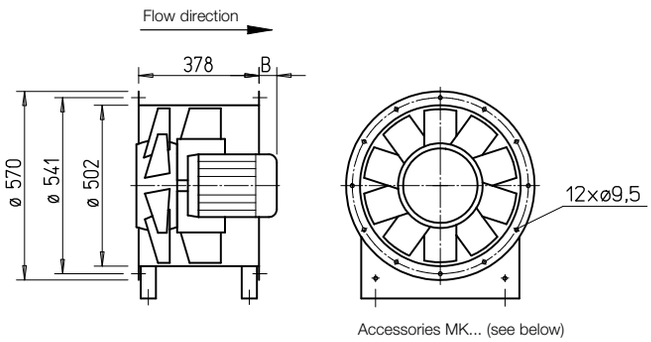
AMD 500



Dimensions AMD 500



Dim. in mm

Dim. B see table

Casing
Tubular casing with welded-in motor support plate and guide wheel made of steel sheet. Flanges pressed on both sides according to DIN 24155, p. 3, for direct intermediate flanges in pipelines. Surface protection from hot-dip galvanising.

Impeller
Hub and blades made of corrosion-resistant aluminium alloy. Dynamically balanced according to DIN ISO 21940-11, quality grade 6.3 for low-vibration operation.
Ten aerodynamically profiled blades achieve high efficiency and pressure rates in combination with the guide wheel. The angle of attack of the blades can be adjusted in the factory according to the ordered, optimal operating point.

Drive
Directly through efficient IE 3 three-phase current standard motor.
Pole-changeable fans with IEC standard motor. Protection category IP55, insulation class F.

Power control
Continuously variable (0-100 %) through the use of a frequency inverter.
The planned use of a frequency inverter without a sine filter should be indicated when placing the order. This requires a change of fan version and additional costs, if necessary.

Electrical connection
Standard terminal box (protection category IP55) made of plastic, mounted on the outside of the fan casing.

Motor protection
All AMD types come with PTC thermistors as standard motor protection. Effective motor protection is possible by means of motor protection circuit breaker (type MSA, Ref. no. 01289, accessories) or FU (accessories).

Dimensions
The motor protrudes over the casing for some types. The protrusion dim. B in mm pursuant to the type table must be taken into account.

Noise levels
The sound power values are specified over the frequency and as total levels for various angles of attack above the performance curves on the product pages.

Reference	Page
Planning information	14 ff.

Special design
Special design w/ inspect. opening (extra charge) upon request.

Other accessories	Page
Installation accessories	278 ff.
Silencers	496 ff.
Switching and control technology	601 ff.

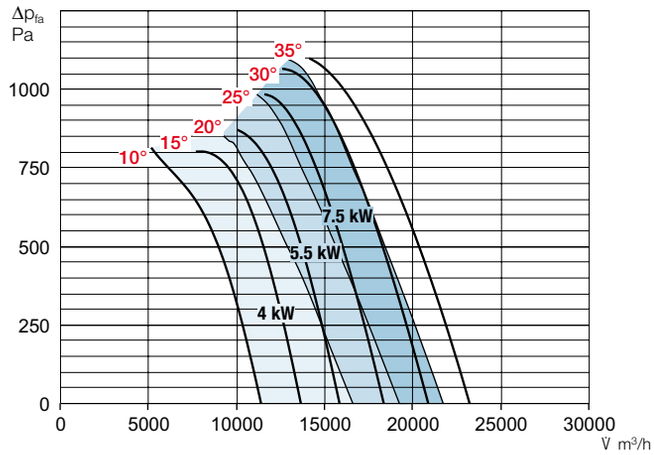
Type	Ref. no.	Speed	Rated motor power (output)	Voltage	Current consump. nominal	Dim. B Motor protrusion	Wiring diagram	Max. air flow temp.	Weight net	Frequency inverter with integrated sine filter		Motor protection circuit breaker or pole changing switch		
		min^{-1}	kW	V	A	mm	No.	+ °C	kg	**Type**	Ref. no.	**Type**	Ref. no.	
Three-phase current, 400 V, 50 Hz, protection category IP55														
AMD 500/4 0.75 kW	03118	1430	0.75	400	1.8	35	796	60	46	**FU-BS 2.5**	05459	**MSA**	01289	
AMD 500/4 1.1 kW	03119	1440	1.1	400	2.5	60	796	60	50	**FU-BS 5**	05460	**MSA**	01289	
AMD 500/4 1.5 kW	03122	1440	1.5	400	3.3	85	796	60	53	**FU-BS 5**	05460	**MSA**	01289	
AMD 500/2 4 kW	03115	2910	4	400*	7.4	175	776	60	83	**FU-BS 8**	05461	**MSA**	01289	
AMD 500/2 5.5 kW	03116	2940	5.5	400*	10.1	180	776	60	97	**FU-BS 16**	05463	**MSA**	01289	
AMD 500/2 7.5 kW	03117	2930	7.5	400*	14.1	220	776	60	102	**FU-BS 16**	05463	**MSA**	01289	
Pole-changeable, 2 speeds, three-phase current, Dahlander winding ⅄/⅄⅄, 400 V, 50 Hz, protection category IP55												Surface-mounted pole changing switch		
AMD 500/8/4 0.22/1 kW [3]	03275	645/1390	0.22/1.0	400	0.9/2.4	60	777	60	55	—	—	**PDA 12** [1]	05081	
AMD 500/8/4 0.3/1.5 kW [3]	03276	645/1390	0.3/1.5	400	1.1/3.0	85	777	60	58	—	—	**PDA 12** [1]	05081	
AMD 500/8/4 1.4/5.9 kW [3]	03273	1400/2900	1.4/5.9	400	3.6/11.4	180	777	60	118	—	—	**PDA 12** [1]	05081	
AMD 500/8/4 2/8 kW [3]	03274	1410/2900	2.0/8.0	400	4.7/14.9	220	777	60	129	—	—	**PDA 25**	05060	

The angle of attack must be specified when ordering. * ⅄/△ Start-up.
[1] Flush-m. version see Switch product page. [2] Extension duct VR over motor protrusion required. [3] Performance curves for low speed available on request.

Performance curves AMD 500/2

n=2930 1/min

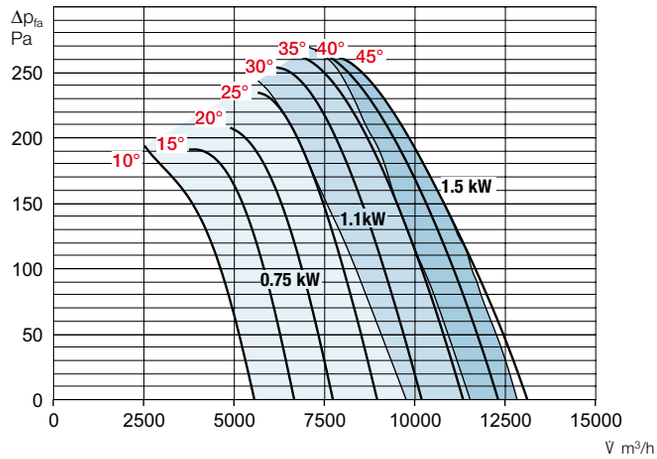
Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	10°	dB(A)	103	80	93	99	102	100	97	88
L_{WA}	20°	dB(A)	105	82	94	100	104	102	99	90
L_{WA}	30°	dB(A)	107	84	96	104	106	104	101	92



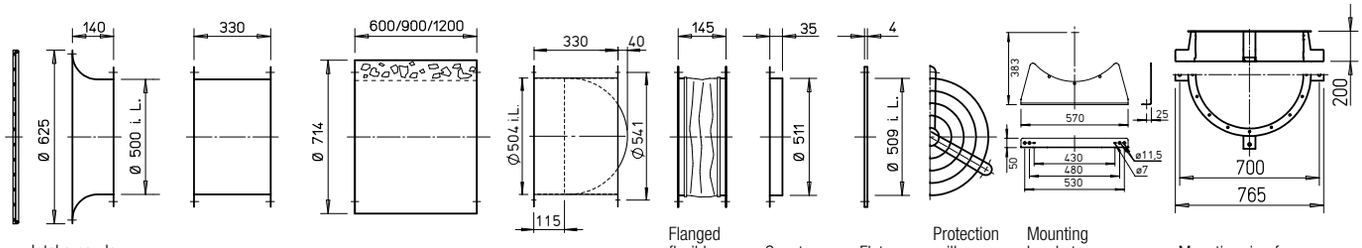
Performance curves AMD 500/4

n=1430 1/min

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	10°	dB(A)	87	71	81	86	86	83	76	64
L_{WA}	20°	dB(A)	88	72	82	86	87	85	77	66
L_{WA}	30°	dB(A)	90	74	84	88	89	87	79	68



Accessories AMD 500



Intake nozzle with prot. grille **ASD-SGD 500** No. 01420

Extension duct **VR 500** No. 01408

Duct silencer **RSD 500/..**

Duct shutter **RVS 500** [a] No. 02598

Flanged flexible connector **STS 500** No. 01225

Counter flange **FR 500** No. 01208

Flat flange **FF 500** No. 04947

Protection grille duct side **SG 500** No. 01241

Mounting brackets **MK 500** (1 Set = 2 pcs) No. 00674

Mounting ring for vertical attachment **MRV 500** No. 01740

[a] Shutter, motorised, see Accessories product page.

	Vibration dampers			
	Compression		**Tension**	
	Type	Ref. no.	**Type**	Ref. no.
	SDD 1	01452	**SDZ 1**	01454
	SDD 1	01452	**SDZ 1**	01454
	SDD 1	01452	**SDZ 1**	01454
	SDD 2	01453	**SDZ 2**	01455
	SDD 2 [2]	01453	**SDZ 2** [2]	01455
	SDD 2 [2]	01453	**SDZ 2** [2]	01455
	SDD 1	01452	**SDZ 1**	01454
	SDD 1	01452	**SDZ 2**	01455
	SDD 2 [2]	01453	**SDZ 2** [2]	01455
	SDD 2 [2]	01453	**SDZ 2** [2]	01455