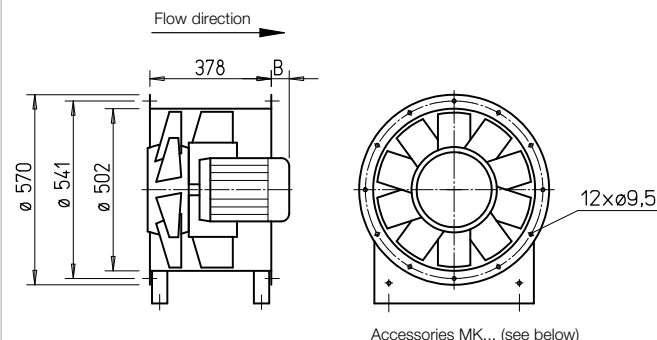


AMD 500



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 min ⁻¹	Rated motor power (output) kW	Voltage V	Current consump. nominal A	Dim. B Motor protrusion mm	Wiring diagram No.	Max. air flow temp. + °C	Weight net kg	Frequency inverter with integrated sine filter	Motor protection circuit breaker or pole changing switch
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	MSA
AMD 500/4 1.1 kW	03119	1440	1.1	400	2.5	60	796	60	50	FU-BS 5	MSA
AMD 500/4 1.5 kW	03122	1440	1.5	400	3.3	85	796	60	53	FU-BS 5	MSA
AMD 500/2 4 kW	03115	2910	4	400*	7.4	175	776	60	83	FU-BS 8	MSA
AMD 500/2 5.5 kW	03116	2940	5.5	400*	10.1	180	776	60	97	FU-BS 16	MSA
AMD 500/2 7.5 kW	03117	2930	7.5	400*	14.1	220	776	60	102	FU-BS 16	MSA
Pole-changeable, 2 speeds, three-phase current, Dahlander winding γ/γ, 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⁾
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⁾
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⁾
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

The angle of attack must be specified when ordering.

* γ/Δ Start-up.

¹⁾ Flush-m. version see Switch product page.

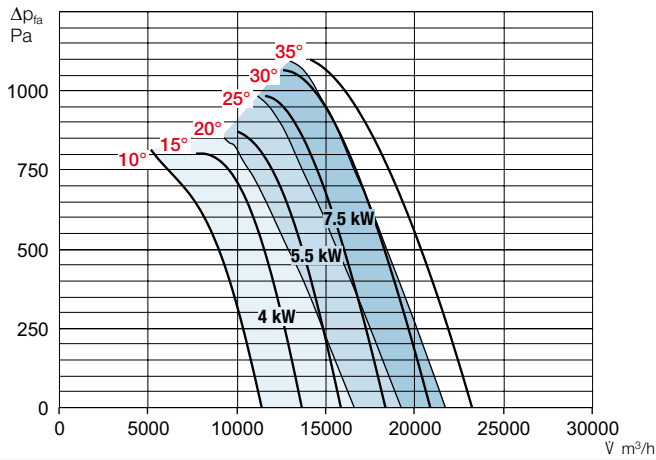
²⁾ Extension duct VR over motor protrusion required.

³⁾ Performance curves for low speed available on request.

Performance curves AMD 500/2

n=2930 1/min

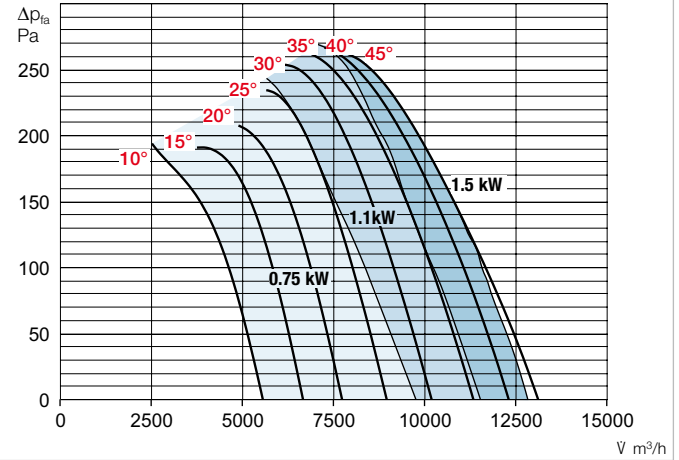
Frequency	Hz	Tot.	125	250	500	1k	2k	4k	8k
L _{WA} 10°	dB(A)	103	80	93	99	102	100	97	88
L _{WA} 20°	dB(A)	105	82	94	100	104	102	99	90
L _{WA} 30°	dB(A)	107	84	96	104	106	104	101	92



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^{a)}	01453	SDZ 2^{a)}	01455
SDD 2^{a)}	01453	SDZ 2^{a)}	01455
SDD 1	01452	SDZ 1	01454
SDD 1	01452	SDZ 2	01455
SDD 2^{a)}	01453	SDZ 2^{a)}	01455
SDD 2^{a)}	01453	SDZ 2^{a)}	01455