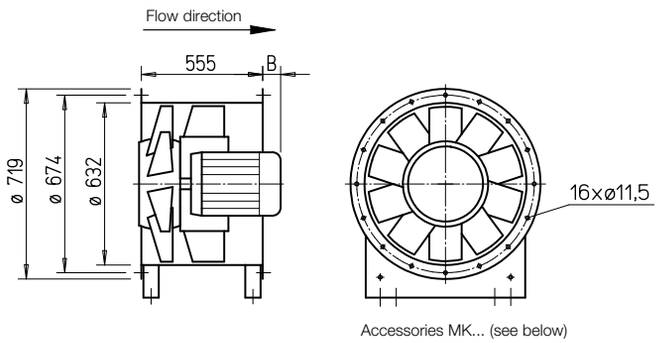
AMD 630



Dimensions AMD 630



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.

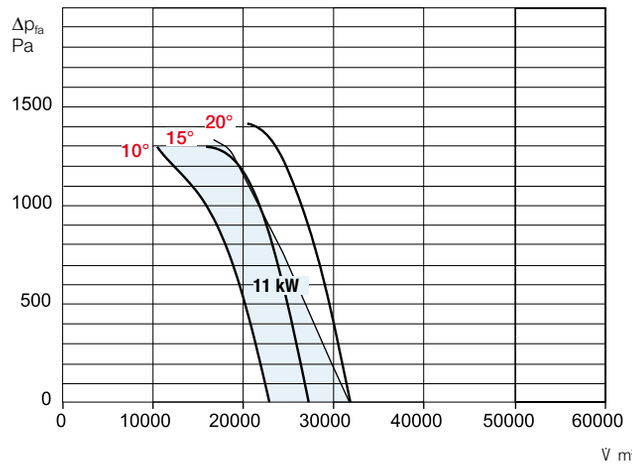
Type	Ref. no.	Speed	Rated motor power (output)	Voltage	Current consump. nominal	Dim. B Motor protrusion	Wiring diagram	Max. air flow temp.	Weight net	Frequency inverter with integrated sine filter		Motor protection circuit breaker or pole changing switch		
		min^{-1}	kW	V	A	mm	No.	+ °C	kg	Type	Ref. no.	Type	Ref. no.	
Three-phase current, 400 V, 50 Hz, protection category IP55														
AMD 630/4 1.5 kW	03291	1440	1.5	400	3.3	0	796	60	84	**FU-BS 5**	05460	**MSA**	01289	
AMD 630/4 2.2 kW	03292	1455	2.2	400	4.5	0	796	60	84	**FU-BS 5**	05460	**MSA**	01289	
AMD 630/4 3 kW	03293	1440	3.0	400*	6.0	0	776	60	99	**FU-BS 8**	05461	**MSA**	01289	
AMD 630/4 4 kW	03294	1500	4.0	400*	7.4	30	776	60	94	**FU-BS 10**	05462	**MSA**	01289	
AMD 630/4 5.5 kW	03295	1470	5.0	400*	10.7	40	776	60	115	**FU-BS 16**	05463	**MSA**	01289	
AMD 630/2 11 kW	03376	2945	11.0	400*	20.0	145	776	60	210	**FU-CS 22**	05470	**MSA**	01289	
Pole-changeable, 2 speeds, three-phase current, Dahlander winding ⅄/⅄⅄, 400 V, 50 Hz, protection category IP55												Surface-mounted pole changing switch		
AMD 630/8/4 0.55/2 kW [2]	03297	680/1410	0.55/2.0	400	2.0/4.5	0	777	60	98	—	—	**PDA 12** [1]	05081	
AMD 630/8/4 0.9/3.2 kW [2]	03298	680/1420	0.9/3.2	400	3.2/7.1	30	777	60	104	—	—	**PDA 12** [1]	05081	
AMD 630/8/4 1.1/4.5 kW [2]	03299	680/1435	1.1/4.5	400	3.6/9.3	40	777	60	130	—	—	**PDA 12** [1]	05081	

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

Performance curves AMD 630/2

n=2940 1/min

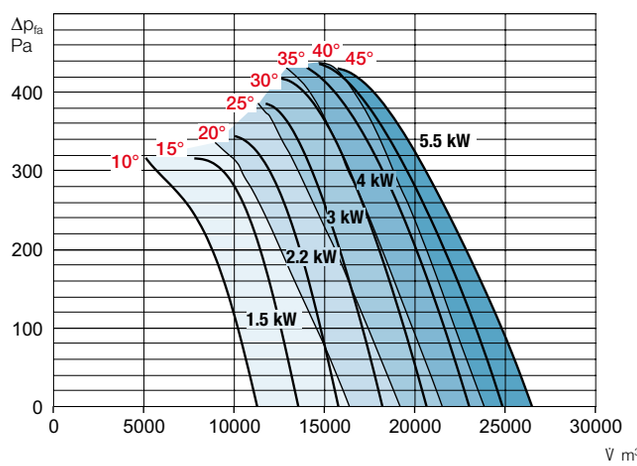
Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	10°	dB(A)	112	84	97	104	108	106	101	92
L_{WA}	20°	dB(A)	114	87	99	107	110	109	104	95
L_{WA}	30°	dB(A)	116	89	101	109	112	111	106	97



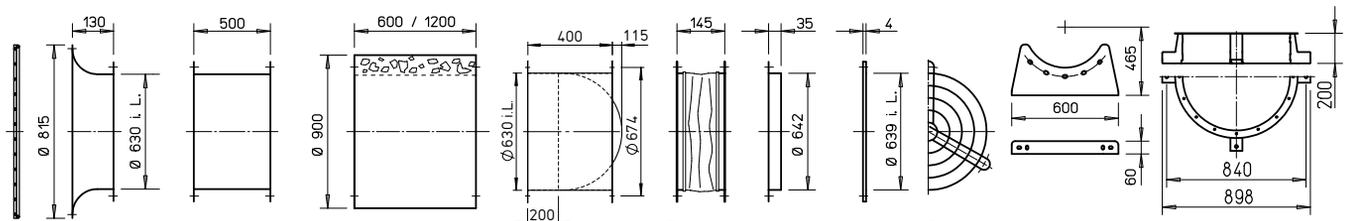
Performance curves AMD 630/4

n=1450 1/min

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	10°	dB(A)	94	78	87	93	93	90	83	71
L_{WA}	20°	dB(A)	95	79	89	92	94	91	84	72
L_{WA}	30°	dB(A)	97	81	91	95	96	93	86	74



Accessories AMD 630



Intake nozzle with prot. grille **ASD-SGD 630** No. 01422

Extension duct **VR 630** No. 01410

Duct silencer **RSD 630/..**

Duct shutter **RVS 630** [a] No. 02600

Flanged flexible connector **STS 630** No. 01228

Counter flange **FR 630** No. 01211

Flat flange **FF 630** No. 04949

Protection grille duct side **SG 630** No. 01243

Mounting brackets **MK 630** (1 Set = 2 pcs) No. 01333

Mounting ring for vertical attachment **MRV 630** No. 01742

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

	Vibration dampers			
	Compression		**Tension**	
	Type	Ref. no.	**Type**	Ref. no.
	SDD 2	01453	**SDZ 2**	01455
	SDD 2	01453	**SDZ 2**	01455
	SDD 2	01453	**SDZ 2**	01455
	SDD 2	01453	**SDZ 2**	01455
	SDD 2	01453	**SDZ 2**	01455
	SDD 3	01367	**SDZ 3**	01366
	SDD 2	01453	**SDZ 2**	01455
	SDD 2	01453	**SDZ 2**	01455
	SDD 2	01453	**SDZ 2**	01455