

■ Specification

□ Casing

Manufactured in galvanised sheet steel with flanges on both sides to DIN 24155, Pt. 3, with fixed guide vanes and motor support.

□ Impeller / guide vanes

Impeller with 3D profiled blades and integrated inflow geometry made from high quality polymers. Connected to an optimised guide vane made from galvanised steel. Impeller and guide vane efficiency and pressure optimised for high volume flows by means of CFD. Dynamically balanced according to DIN ISO 1940-1. Operating range -30 to +40 °C.

□ Motor

Direct driven, maintenance free flange motor, totally enclosed with an aluminium casing and cooling fins, protected to IP 54. Sealed for life ball bearings and interference-free. Optional drainage holes made to order (please state installation position). Optional tropicalized protection of windings with humidity protection waterproofing.

□ Speed control

The voltage-controllable models the current are marked by a value in the "regular power consumption" column of the table below which must be used when selecting a controller (see controller column). The air flow volumes can be seen from the characteristic curves. If the fan is to be controlled by a frequency inverter without a sine filter, this must be stated when ordering. This requires a change of fan design and potential additional costs.

□ Electrical connection

Terminal box fitted externally on the casing as standard (IP 55).

□ Installation

Installation in any position. Ensure that motor drainage holes (where used) face downwards.

□ Motor protection

All models have thermal contacts as standard which must be connected to a full motor protection unit (see table below) for effective motor protection.

□ Sound levels

Data shown within the performance curves refers to sound power and pressure levels in 4 m free field conditions, for medium operating point intake/exhaust. Sound emission and acoustic information on page 10 on.

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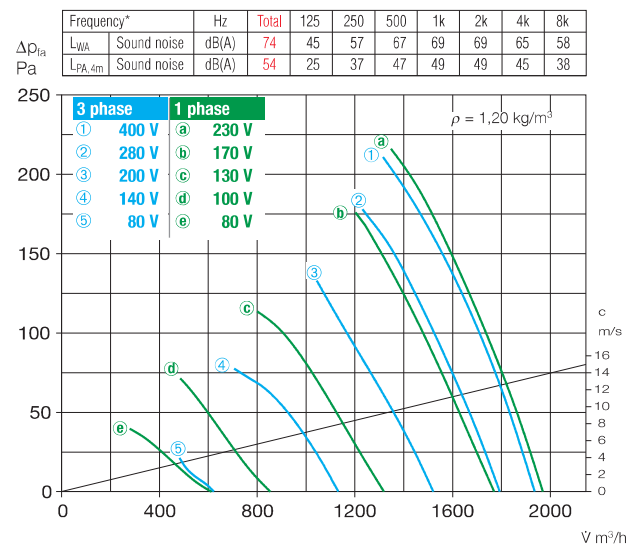
Alternative voltages, frequencies, protection classes, acid protection, high temperatures etc. are available on request.

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Type	Ref. no.	R.P.M.	Air flow volume (FID)	Motor power	Voltage	Current standard supply	Current speed controlled	Wiring diagram	Maximum air flow temp. standard supply	Weight (net) approx.	5 step transformer controller	Frequency inverter with integrated sine filter
		min ⁻¹	m ³ /h	kW	V	A	A	No.	+°C	+°C	kg	Type Ref. no.
1 phase motor, 50 Hz, protection to IP 54												
AMW 225/4	2242	1425	965	0.6	230	0.3	0.3	966.1	60	40	8.7	MWS 1,5 ¹⁾ 1947
AMW 225/2	2243	2750	1955	0.26	230	1.2	1.4	966.1	60	40	9	MWS 1,5 ¹⁾ 1947
3 phase motor, 50 Hz, protection to IP 54												
AMD 225/4	2244	1430	960	0.6	400	0.2	0.25	469	60	40	8.3	RDS 1 ¹⁾ 1314
AMD 225/2	2245	2760	1950	0.25	400	0.6	0.65	469	60	40	8.8	RDS 1 ¹⁾ 1314

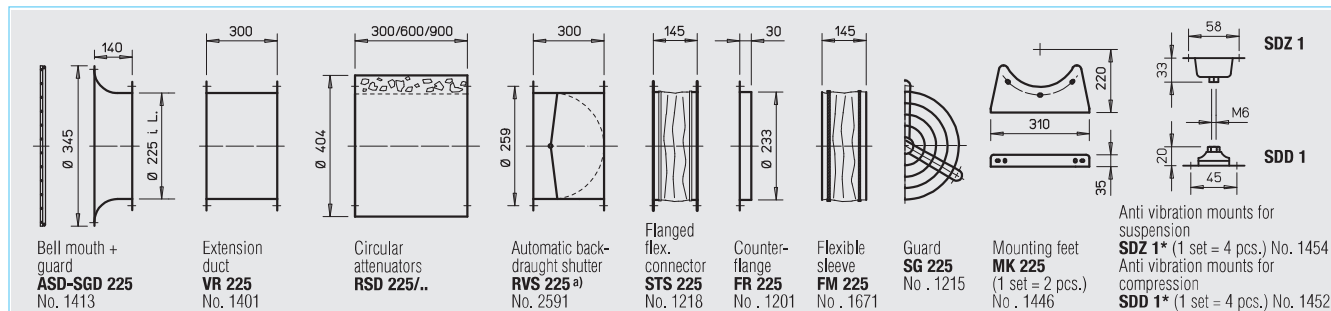
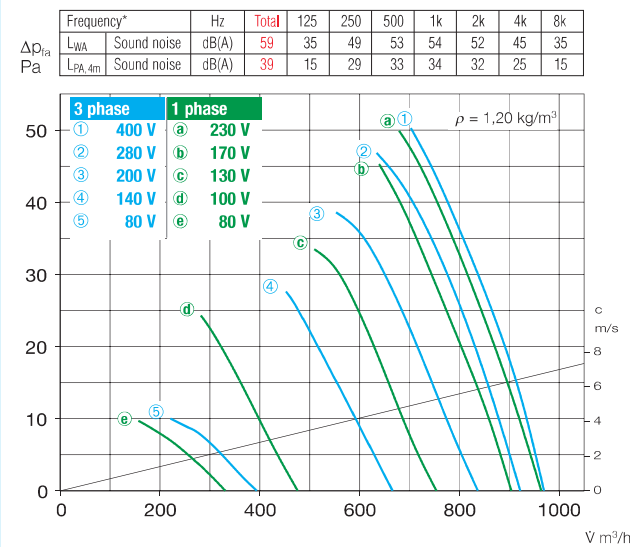
¹⁾ includes full motor protection device

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* 3 phase motor sound information, 1 phase motor sound information see www.HeliosSelect.de

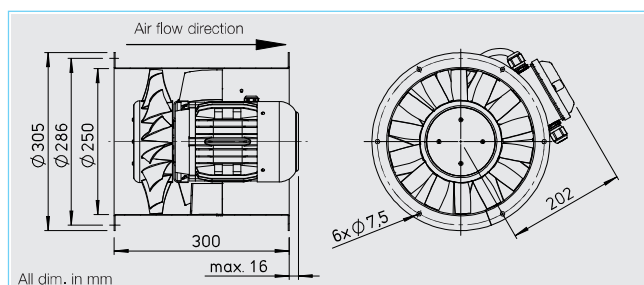
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^{a)} For motorised shutters see accessory pages

* Type allocation see table, last column

	Full motor protection device for connection of thermal contacts	Vibration dampers			
		Compression		Suspension	
		Type	Ref. no.	Type	Ref. no.
	MW	1579	SDD 1 1452	SDZ 1 1454	
	MW	1579	SDD 1 1452	SDZ 1 1454	
	MD	5849	SDD 1 1452	SDZ 1 1454	
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□ Installation

Installation in any position. Ensure that motor drainage holes (where used) face downwards.

□ Motor protection

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Alternative voltages, frequencies, protection classes, acid protection, high temperatures etc. are available on request.

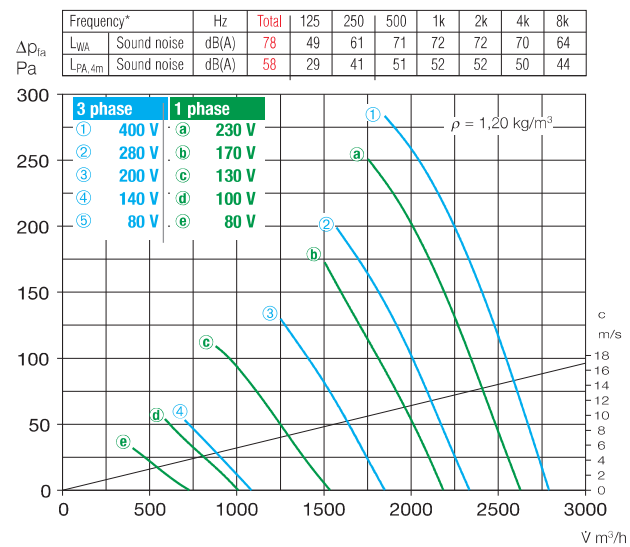
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Type	Ref. no.	R.P.M.	Air flow volume (FID)	Motor power	Voltage	Current standard supply	Current speed controlled	Wiring diagram	Maximum air flow temp. standard supply	Weight (net) approx.	5 step transformer controller	Frequency inverter with integrated sine filter
		min ⁻¹	m ³ /h	kW	V	A	A	No.	+°C	+°C	kg	Type Ref. no.
1 phase motor, 50 Hz, protection to IP 54												
AMW 250/4	2248	1435	1360	0.1	230	0.6	0.6	966.1	60	40	9	MWS 1,5 ¹⁾ 1947
AMW 250/2	2249	2630	2620	0.4	230	1.9	1.9	966.1	60	40	9.5	MWS 3 ¹⁾ 1948
3 phase motor, 50 Hz, protection to IP 54												
AMD 250/4	2250	1430	1380	0.08	400	0.3	0.3	469	60	40	9.2	RDS 1 ¹⁾ 1314
AMD 250/2	2251	2830	2790	0.43	400	1	1	469	60	40	11	RDS 2 ¹⁾ 1315

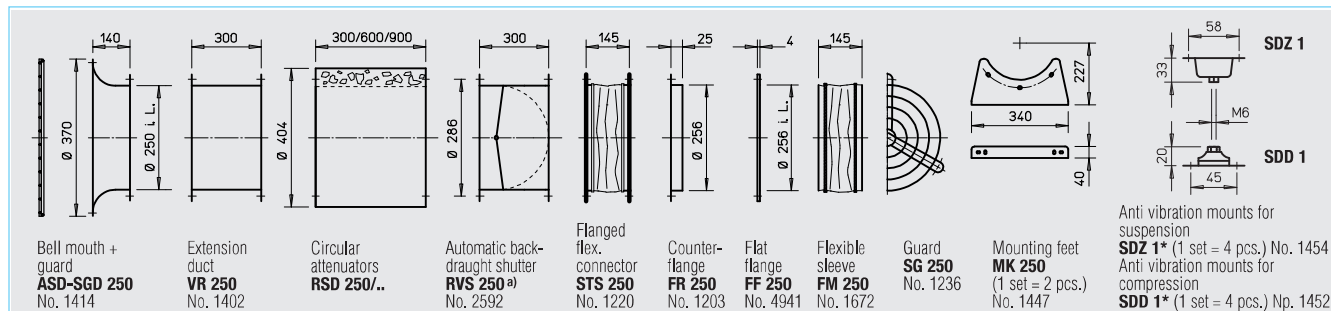
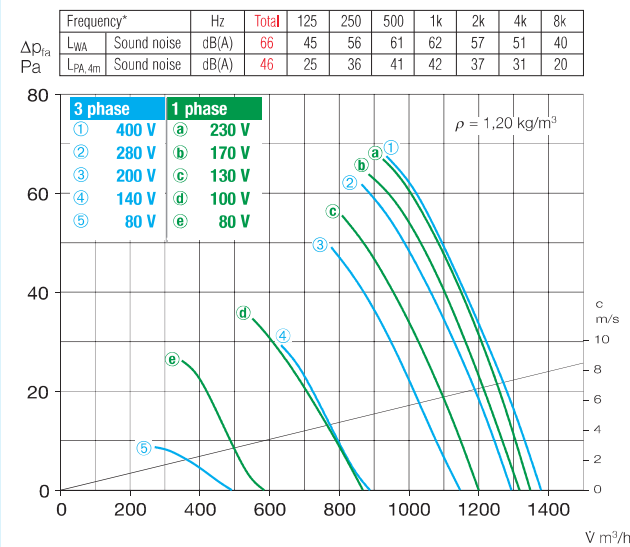
¹⁾ includes full motor protection device

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* 3 phase motor sound information, 1 phase motor sound information see www.HeliosSelect.de

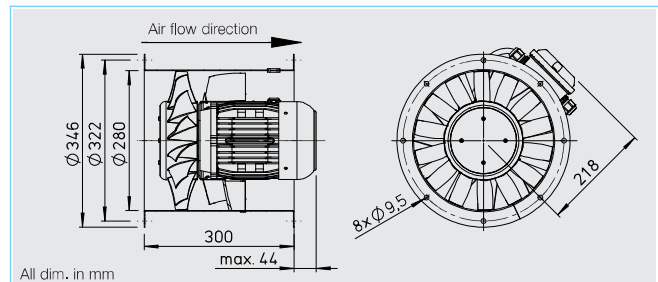
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^{a)} For motorised shutters see accessory pages

* Type allocation see table, last column

	Full motor protection device for connection of thermal contacts	Vibration dampers			
		Compression		Suspension	
		Type	Ref. no.	Type	Ref. no.
	MW	1579	SDD 1 1452	SDZ 1 1454	
	MW	1579	SDD 1 1452	SDZ 1 1454	
	MD	5849	SDD 1 1452	SDZ 1 1454	
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Installation in any position. Ensure that motor drainage holes (where used) face downwards.

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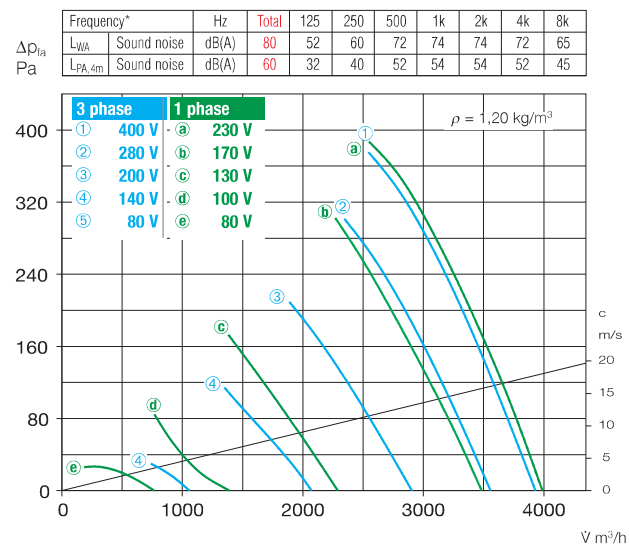
Alternative voltages, frequencies, protection classes, acid protection, high temperatures etc. are available on request.

Other accessories	Page
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Type	Ref. no.	R.P.M.	Air flow volume (FID)	Motor power	Voltage	Current standard supply	Current speed controlled	Wiring diagram	Maximum air flow temp. standard supply	Weight (net) approx.	5 step transformer controller	Frequency inverter with integrated sine filter
		min ⁻¹	m ³ /h	kW	V	A	A	No.	+°C	+°C	kg	Type Ref. no.
1 phase motor, 50 Hz, protection to IP 54												
AMW 280/4	2254	1345	1930	0.1	230	0.5	0.5	966.1	60	40	11.5	MWS 1,5 ¹⁾ 1947
AMW 280/2	2255	2755	3970	0.7	230	3.2	4.3	976.1	60	40	15.5	MWS 5 ¹⁾ 1949
3 phase motor, 50 Hz, protection to IP 54												
AMD 280/4	2256	1385	2000	0.1	400	0.3	0.3	469	60	40	10.5	RDS 1 ¹⁾ 1314
AMD 280/2	2257	2745	3960	0.7	400	1.4	1.5	469	60	40	13.8	RDS 2 ¹⁾ 1315

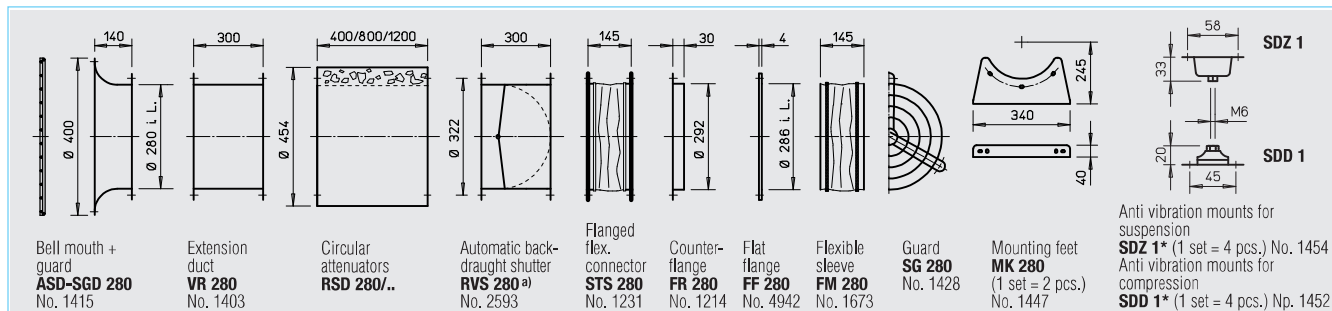
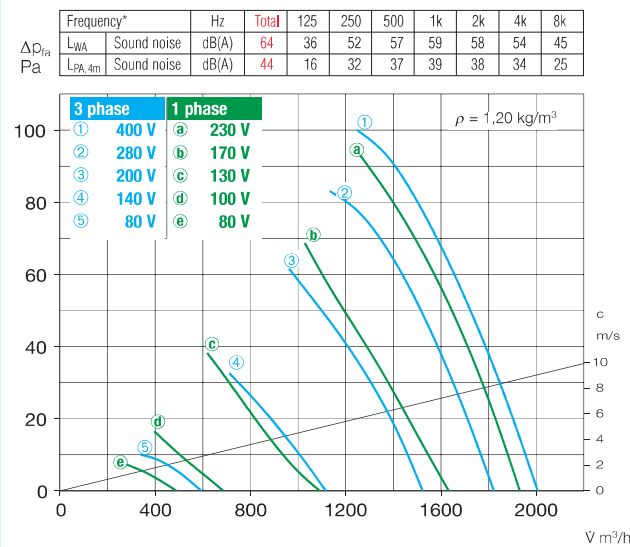
¹⁾ includes full motor protection device

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* 3 phase motor sound information. 1 phase motor sound information see www.HeliosSelect.de

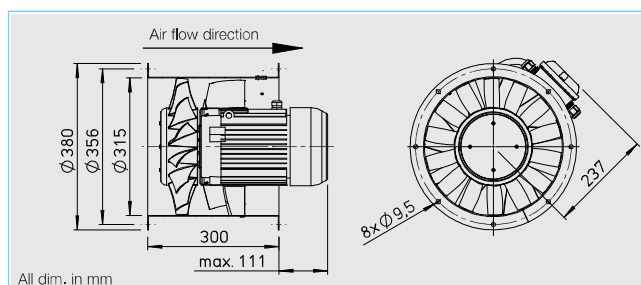
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a) For motorised shutters see accessory pages

* Type allocation see table, last column

	Full motor protection device for connection of thermal contacts	Vibration dampers			
		Compression		Suspension	
		Type	Ref. no.	Type	Ref. no.
	MW	1579	SDD 1 1452	SDZ 1 1454	
	MW	1579	SDD 1 1452	SDZ 1 1454	
	MD	5849	SDD 1 1452	SDZ 1 1454	
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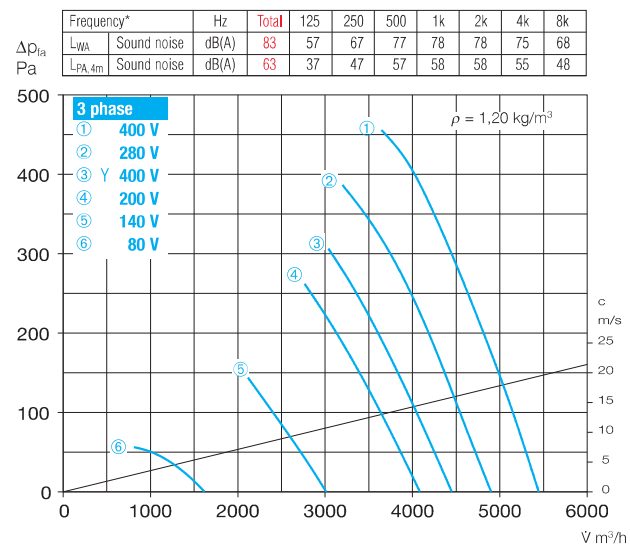
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Type	Ref. no.	R.P.M.	Air flow volume (FID)	Motor power	Voltage	Current standard supply	Current speed controlled	Wiring diagram	Maximum air flow temp. standard supply	Weight (net) approx.	5 step transformer controller	Frequency inverter with integrated sine filter
		min ⁻¹	m ³ /h	kW	V	A	A	No.	+°C	+°C	kg	Type Ref. no.
1 phase motor, 50 Hz, protection to IP 54												
AMW 315/4	2265	1395	2860	0.2	230	1	1.1	966.1	60	40	13.1	MWS 1.5 ¹⁾ 1947
3 phase motor, 50 Hz, protection to IP 54												
AMD 315/4	2266	1455	2950	0.2	400	0.6	0.6	469	60	40	12.2	RDS 1 ¹⁾ 1314
Two-speed, 3 phase motor, 50 Hz, Y/Δ wiring, protection to IP 54												
AMD 315/2/2	2267	2200/2650	7640/8610	0.7/1.1	400/400	1.6/2.5	2.3	520	60	40	18.5	RDS 4 ¹⁾ 1316

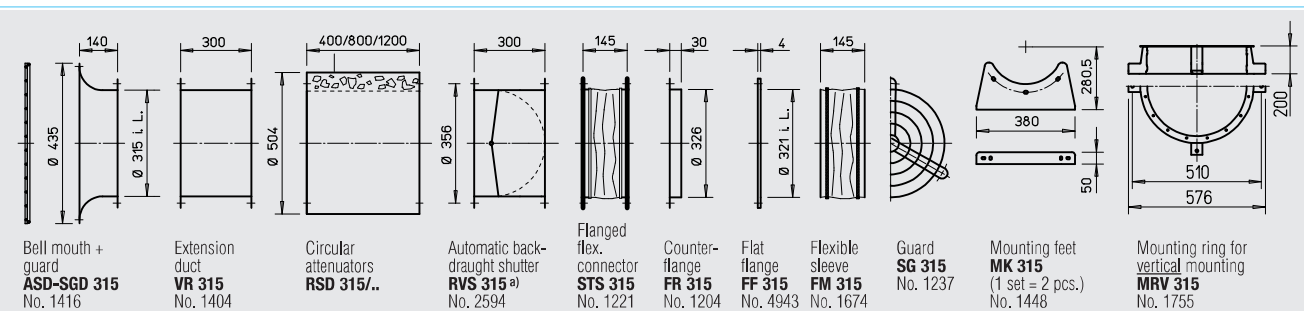
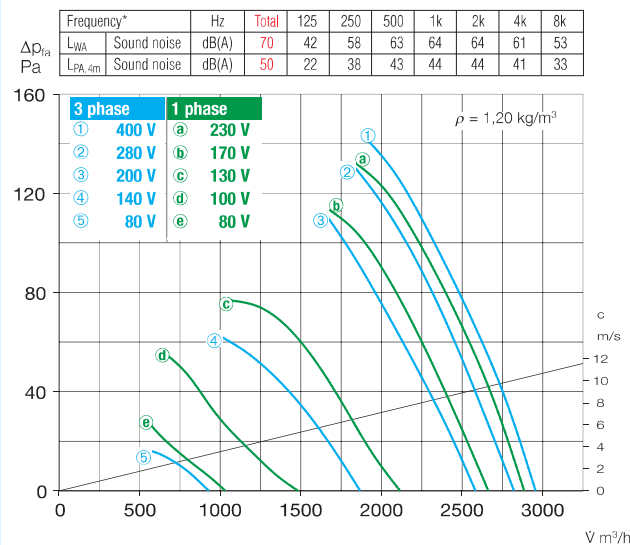
¹⁾ includes full motor protection device

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* 3 phase motor sound information. 1 phase motor sound information see www.HeliosSelect.de

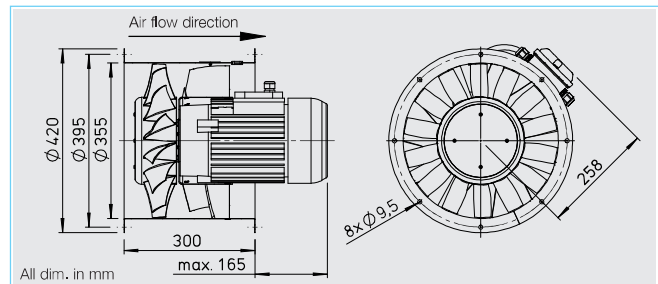
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^{a)} For motorised shutters see accessory pages

* Type allocation see table, last column

	Full motor protection device for connection of thermal contacts		Vibration dampers			
			Compression		Suspension	
			Type	Ref. no.	Type	Ref. no.
	MW	1579	SDD 1	1452	SDZ 1	1454
	MD	5849	SDD 1	1452	SDZ 1	1454
	M 4	1571	SDD 1	1452	SDZ 1	1454



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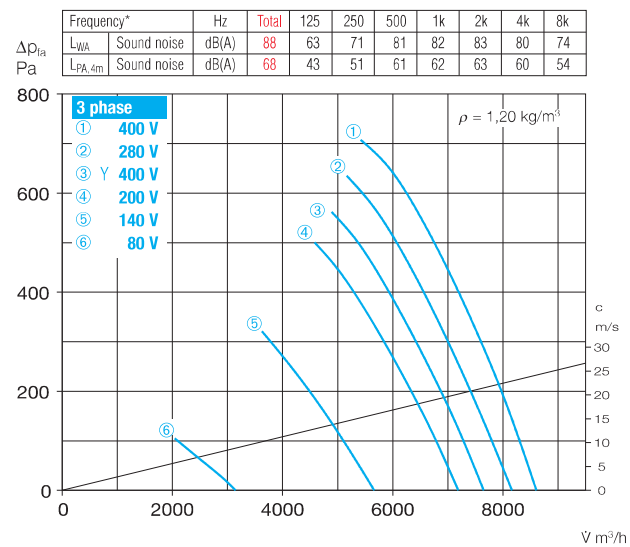
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Type	Ref. no.	R.P.M.	Air flow volume (FID)	Motor power	Voltage	Current standard supply	Current speed controlled	Wiring diagram	Maximum air flow temp. standard supply	Weight (net) approx.	5 step transformer controller	Frequency inverter with integrated sine filter
		min ⁻¹	m ³ /h	kW	V	A	A	No.	+°C	+°C	kg	Type Ref. no.
1 phase motor, 50 Hz, protection to IP 54												
AMW 355/4	2275	1430	4170	0.4	230	1.8	2.4	968.1	60	40	16.9	MWS 3 ¹⁾ 1948
3 phase motor, 50 Hz, protection to IP 54												
AMD 355/4	2276	1445	4300	0.35	400	0.9	1.1	469	60	40	15.7	RDS 2 ¹⁾ 1315 FU-BS 2,5 5459
Two-speed, 3 phase motor, 50 Hz, Y/Δ wiring, protection to IP 54												
AMD 355/2/2	2277	2200/2775	8610/7640	1.3 / 2.3	400/400	3.0/5.4	5.6	520	60	40	30.3	RDS 7 ¹⁾ 1578 FU-BS 8,0 5461

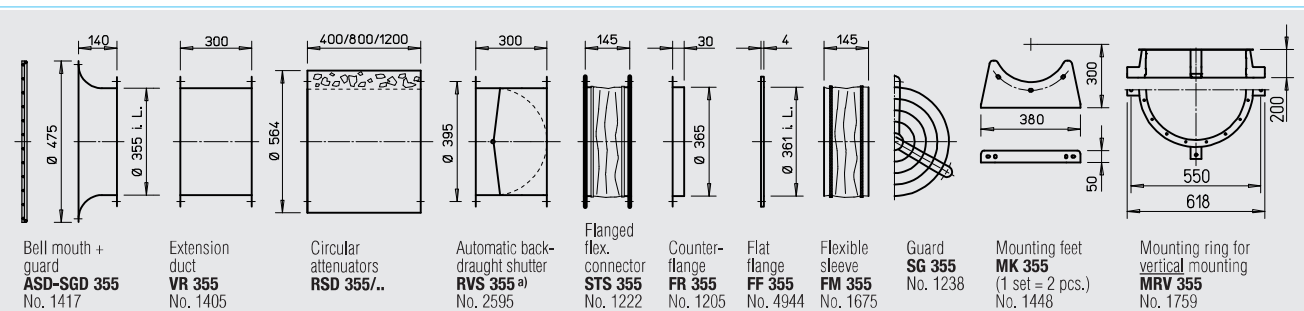
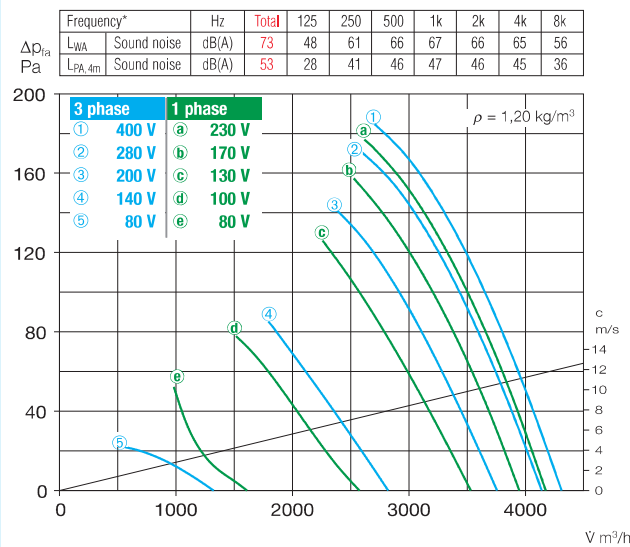
¹⁾ includes full motor protection device

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* 3 phase motor sound information. 1 phase motor sound information see www.HeliosSelect.de

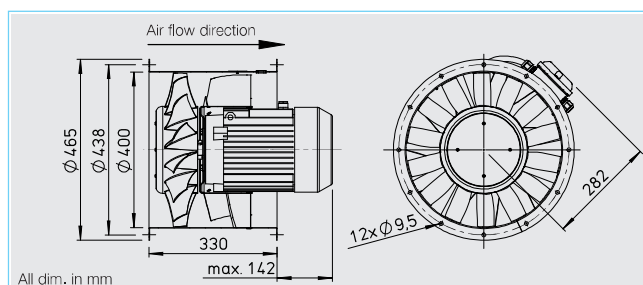
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^{a)} For motorised shutters see accessory pages

* Type allocation see table, last column

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	MD	5849	SDD 1	1452	SDZ 1	1454
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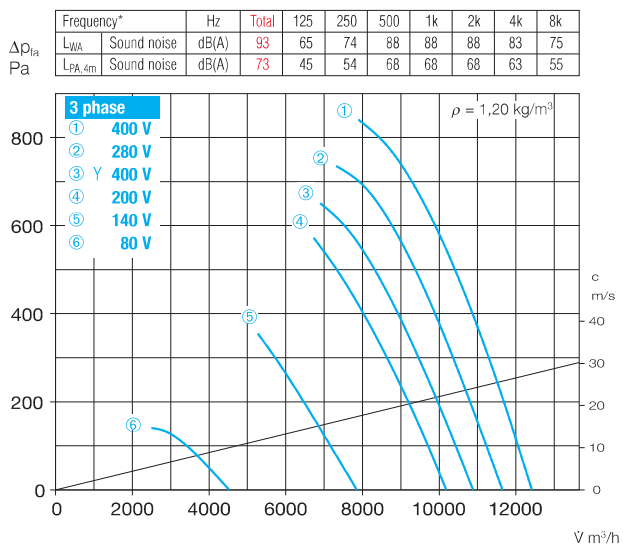
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		min ⁻¹	∇ m ³ /h	kW	V	A	A	No.	+°C	+°C	kg	Type Ref. no.
1 phase motor, 50 Hz, protection to IP 54												
AMW 400/4	2280	1395	6000	0.6	230	2.6	3.1	967.1	60	40	23.2	MWS 5 ¹⁾ 1949
3 phase motor, 50 Hz, protection to IP 54												
AMD 400/4	2281	1420	5980	0.6	400	1.9	2	469	60	40	22	RDS 4 ¹⁾ 1316
Two-speed, 3 phase motor, 50 Hz, Y/Δ wiring, protection to IP 54												
AMD 400/2/2	2282	2280/2780	10880/12430	2.4/4.4	400/400	5.5/9.5	9.5	520	50	30	44.9	RDS 11 ¹⁾ 1332

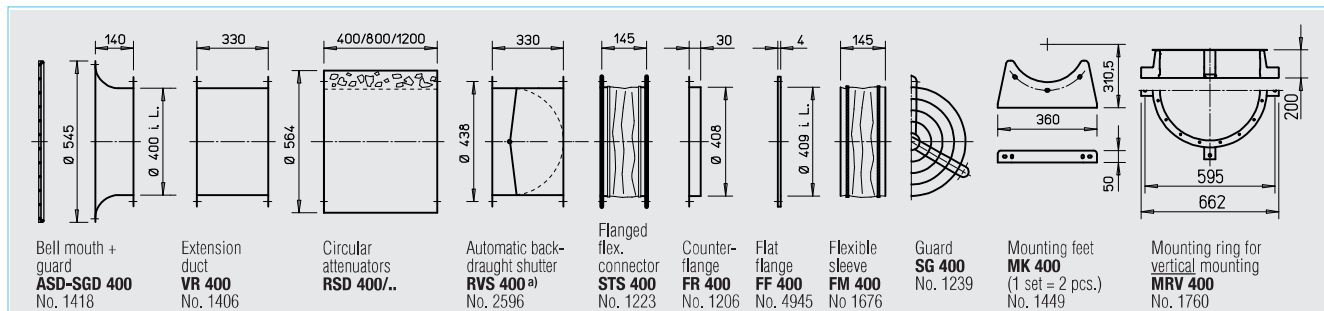
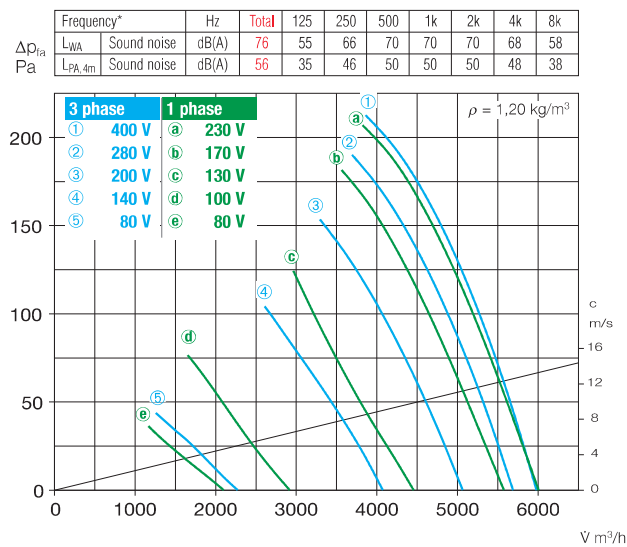
¹⁾ includes full motor protection device

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* 3 phase motor sound information. 1 phase motor sound information see www.HeliosSelect.de

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^{a)} For motorised shutters see accessory pages

* Type allocation see table, last column

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	MD	5849	SDD 1	1452	SDZ 1	1454
	M 4	1571	SDD 1	1452	SDZ 1	1454