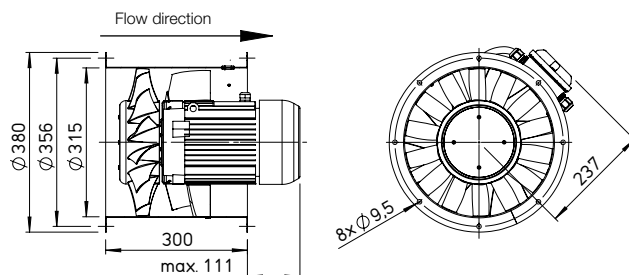


AMD and AMW 315



Dimensions AMD and AMW 315



Dim. in mm

■ Casing

Duct with double-sided flange DIN 24155 p. 3. Made of galvanized steel sheet, fixed guide wheel with inner hub for mounting the flange motor.

■ Impeller / guide wheel

Impeller with 3D profiled blades and integrated flow geometry made of high-quality plastic. An optimised guide wheel made of galvanised steel is connected to the impeller. The impeller and guide wheel are efficiency-optimised and pressure-optimised for high volume flows by means of CFD. Dynamically balanced in accordance with ISO 21940-11. Operating range -30 to +60 °C.

■ Drive

Directly through maintenance-free flange motor. Closed design type IP54. Aluminium casing with cooling fins. Radio interference-free, sealed ball bearings. With condensate drain holes upon request and the installation method must be indicated when placing the order. Tropicalised winding with moisture proof coating upon request.

■ Power control

The voltage-controllable types are identified in the "Current consumption with control mode" column with a value which must be observed when determining the controller (see "speed controller" column). The flow rates are shown in the performance diagram. 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) on outside of duct.

■ Installation

Installation possible in any position. Condensate drain holes in the motor depending on usage are possible upon request.

■ Motor protection

All types are equipped with thermal contacts. These should be wired with the motor protection circuit breaker (see type table) for effective motor protection.

■ Noise levels

See performance diagram. The sound power and sound pressure at 4 m distance under free field conditions are specified for the average operating point on the inlet/outlet side. See page 14 f for noise emissions and room acoustics.

■ Reference	Page
Selection table	231
Planning information	14 ff.

Special design

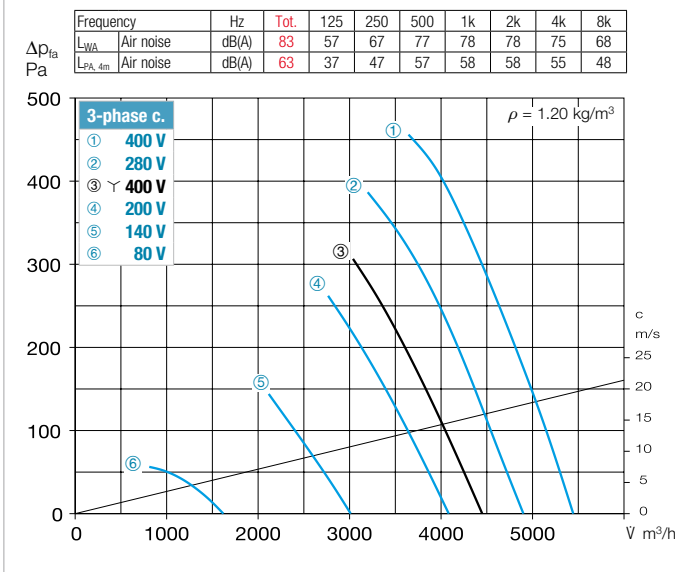
Different voltage, frequency, protection category, higher air flow temperature and acid protection upon request.

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

Type	Ref. no.	Speed min ⁻¹	Flow rate free blowing V m ³ /h	Power consump. kW	Voltage V	Current consumption at rated voltage A	with control A	Wiring diagram No.	Max. air flow temp. at rated voltage + °C	with control + °C	Weight net aprx. kg	Speed controller 5-step Type	Ref. no.	Frequency inverter with integrated sine filter Type	Ref. no.
Single-phase alternating current, 50 Hz, protection category IP54															
AMW 315/4	02265	1395	2860	0.2	230	1	1.1	966.1	60	40	13.1	MWS 1.5 ¹⁾	01947	—	
Three-phase current, 50 Hz, protection category IP54															
AMD 315/4	02266	1455	2950	0.2	400	0.6	0.6	469	60	40	12.2	RDS 1 ¹⁾	01314	—	
Two-speed, three-phase current, 50 Hz, Y/Δ connection, protection category IP54															
AMD 315/2/2	02267	2200/2650	4450/5450	0.7/1.1	400/400	1.6/2.5	2.3	520	60	40	18.5	RDS 4 ¹⁾	01316	FU-BS 5	05460

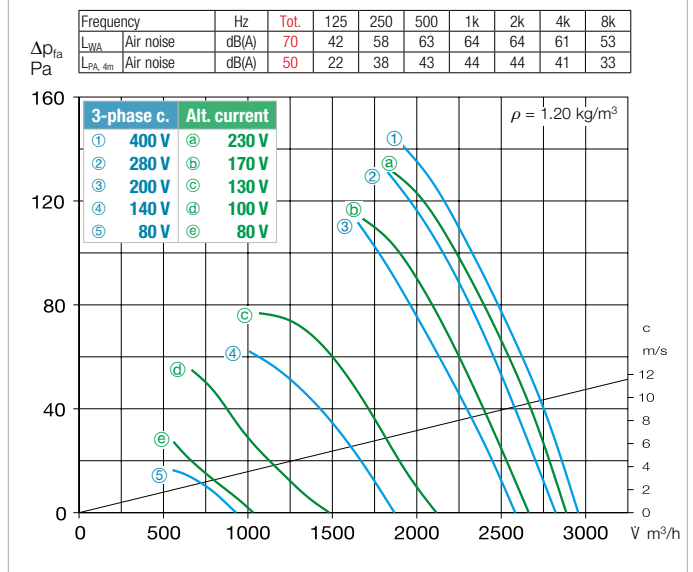
¹⁾ incl. motor protection circuit breaker.

Performance curves AMD 315/2

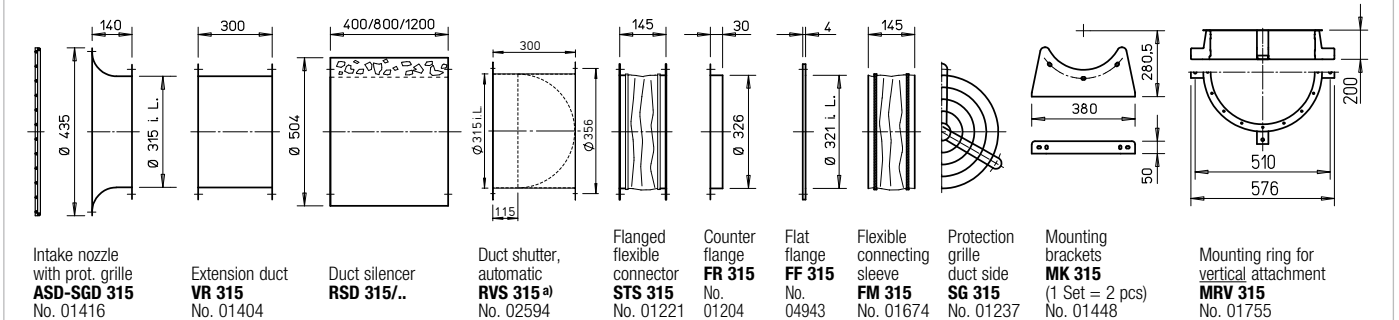


* Three-phase current noise data. Alternating current noise data see www.HeliosSelect.de.

Performance curves AMD and AMW 315/4



Accessories AMD and AMW 315



a) Shutter, motorised see Accessories product pages. * Type assignment see table, last column.

Motor protection circuit breaker for connecting built-in thermal contacts		Vibration dampers			
		Compression		Tension	
Type	Ref. no.	Type	Ref. no.	Type	Ref. no.
MW	01579	SDD 1	01452	SDZ 1	01454
MD	05849	SDD 1	01452	SDZ 1	01454
M 4	01571	SDD 1	01452	SDZ 1	01454