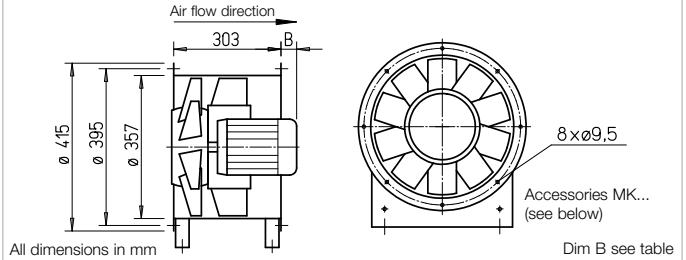
AMD / B AMD 355



60 °C F300 F400

Certification
The smoke ventilation fans B AMD have been tested according to DIN EN 12101-3.
Certificate of performance reliability:
F300: 0036-CPR-RG05-18
F400: 0036-CPR-RG05-19

Dimensions AMD / B AMD 355



All dimensions in mm — Dim B see table

Description, Installation, Casing, Air flow direction, etc.
see page 60.

Impeller
- ☐ Hub and blades made from corrosion-resistant aluminium alloy. Ten aerodynamically profiled blades achieve the achieve high levels of efficiency and pressure ratings together with the guide vane.
- ☐ Dynamically balanced, quality class 6.3 for low-vibration operation.
- ☐ Blades can be steplessly adjusted in the factory.

Motor
- ☐ Series AMD: Direct through efficient IE3 standard three phase motor. Pole-switching fans with IEC standard motor. Protection class IP55, insulation class F.
- ☐ Series B AMD: Direct through efficient IE3 three phase motor (smoke extraction motors F300 or F400). Pole-switching fans with IEC standard motor. Protection class IP55. Insulation class H. Fire-resistant external cable with sheathing.

Motor protrusion
For some types, the motor protrudes over the casing. Protrusion on dimension B in mm must be observed according to the type table.

Motor protection
All types have PTC resistors from the terminal box. This must be bridged in smoke extraction mode for B AMD models.

Electrical connection
- ☐ Series AMD: Standard plastic terminal box (protection class IP55), mounted to outside of duct.
- ☐ Series B AMD: Standard aluminium die-cast terminal box (protection class IP55), mounted to outside of duct.

Air flow temperatures
- ☐ Series AMD: Suitable for supply and extract ventilation from -20 °C to +60 °C continuous temperature. Types for higher air flow temperatures upon request.
- ☐ Series B AMD: Like series AMD, but also for smoke extraction according to the temperature classification up to 300 °C/120 min. and 400 °C/120 min.

Double pressure

Mounting package MP-Z for two-stage Z unit
For arrangement of two identical fans in a row, for highest pressure ratings.
Scope of delivery: Extension ducts (2 pcs.) and assembly kit.
Weight: 8 kg

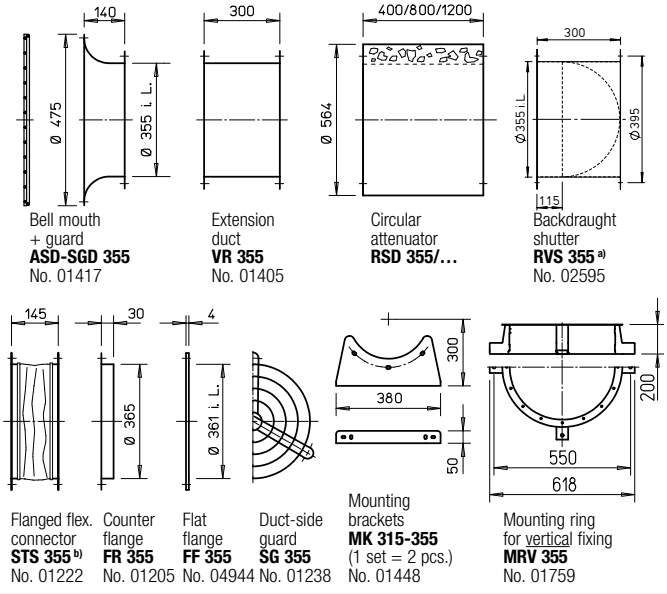
MP-Z 355 Ref. no. 04904

Double volume

Mounting package MP-P for parallel P unit
For arrangement of two identical fans side by side, for highest flow rates. Scope of delivery: Extension ducts, backdraught shutter, mounting rails (2 pcs. each), mounting brackets (4 pcs.) and assembly kits. Weight: 27 kg

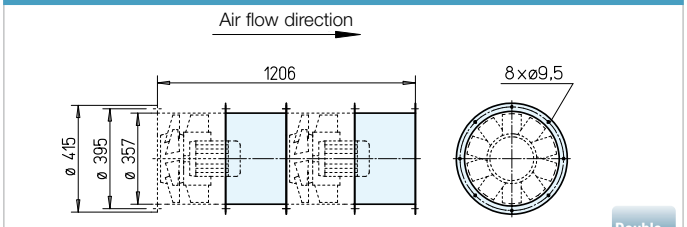
MP-P 355 Ref. no. 04888

Accessories for AMD / B AMD 355



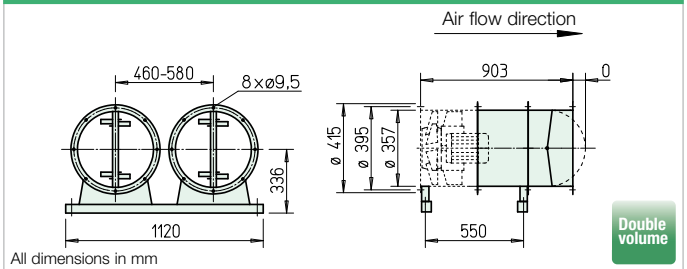
Bell mouth + guard **ASD-SGD 355** No. 01417
Extension duct **VR 355** No. 01405
Circular attenuator **RSD 355/...**
Backdraught shutter **RVS 355** [a] No. 02595
Flanged flex. connector **STS 355** [b] No. 01222
Counter flange **FR 355** No. 01205
Flat flange **FF 355** No. 04944
Duct-side guard **SG 355** No. 01238
Mounting brackets **MK 315-355** (1 set = 2 pcs.) No. 01448
Mounting ring for vertical fixing **MRV 355** No. 01759

Dimensions MP-Z 355



All dimensions in mm — Double pressure

Dimensions MP-P 355



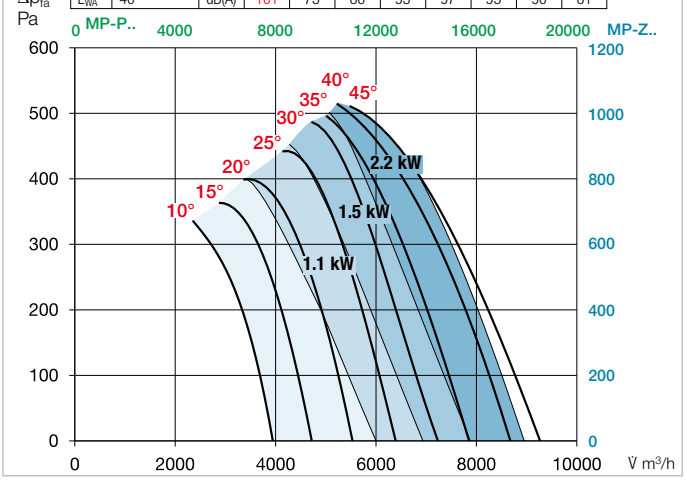
All dimensions in mm — Double volume

[a] Backdraught shutter, motorised, for ventilation, see main Helios catalogue. [b] Type for B AMD: STSB 355 F400, No. 14744

Performance curves AMD / B AMD 355/2

n=2890 1/min

Frequency		Hz	Total	125	250	500	1k	2k	4k	8k
L_{WA}	10°	dB(A)	97	69	82	89	92	91	86	77
L_{WA}	20°	dB(A)	98	71	83	90	94	92	87	78
L_{WA}	30°	dB(A)	100	72	85	92	95	94	89	80
L_{WA}	40°	dB(A)	101	73	86	93	97	95	90	81



Information	Page
Techn. description	60
Project planning information	10 ff.

Special designs

Special design with inspection open. (add. cost) upon request.

Accessory details	Page
Mounting accessories	167 ff.
Attenuators	172 ff.
Gas warning systems, switch and control technology	174 ff.
Frequency inverters	184 ff.

Type	Ref. no.	Speed	Nominal motor power (output)	Nominal voltage	Nominal current	Dim. B motor protrusion	Wiring diagram	max. air flow temp.[1]	Net weight approx.	Full motor protection or Smoke exhaust fan control system		Anti-vibration mounts[2] Pressure		Tensile	
		min^{-1}	kW	V	A	mm	No.	+°C	kg	Type	Ref. no.	Type	Ref. no.	Type	Ref. no.
60° Three phase motor, 400 V, 50 Hz, protection class IP55										Full motor protection					
AMD 355/2 0,75 kW	03082	2890	0.75	400	1.6	70	796	60	26	**MSA**	01289	**SDD 1**	01452	**SDZ 1**	01454
AMD 355/2 1,1 kW	03083	2890	1.1	400	2.3	70	796	60	26	**MSA**	01289	**SDD 1**	01452	**SDZ 1**	01454
AMD 355/2 1,5 kW	03084	2890	1.5	400	3.1	90	796	60	32	**MSA**	01289	**SDD 1**	01452	**SDZ 1**	01454
AMD 355/2 2,2 kW	03085	2890	2.2	400	4.3	120	796	60	36	**MSA**	01289	**SDD 1**	01452	**SDZ 1**	01454
60° Pole-switching, 2 speed, three phase motor, Dahlander winding Y/YY, 400 V, 50 Hz, protection class IP55															
AMD 355/4/2 0,17/0,75 kW	03086	1310/2835	0.17/0.75	400	0.8/1.9	70	777	60	30	—		**SDD 1**	01452	**SDZ 1**	01454
AMD 355/4/2 0,25/0,95 kW	03087	1340/2835	0.25/0.95	400	0.9/2.3	70	777	60	32	—		**SDD 1**	01452	**SDZ 1**	01454
AMD 355/4/2 0,3/1,4 kW	03088	1340/2850	0.3/1.4	400	1.1/3.1	90	777	60	37	—		**SDD 1**	01452	**SDZ 1**	01454
AMD 355/4/2 0,4/1,9 kW	03093	1390/2850	0.4/1.9	400	1.5/4.2	120	777	60	40	—		**SDD 1**	01452	**SDZ 1**	01454
F300 Three phase motor, 400 V, 50 Hz, protection class IP55										Smoke exhaust fan control system					
B AMD 355/2 0,75 kW F300	03337	2890	0.75	400	1.6	59	776	60/300	29	**EVS-D 001**	04594	**SDD 1 F**	01942	**SDZ 1 F**	01943
B AMD 355/2 1,1 kW F300	03338	2890	1.1	400	2.3	59	776	60/300	30	**EVS-D 001**	04594	**SDD 1 F**	01942	**SDZ 1 F**	01943
B AMD 355/2 1,5 kW F300	03339	2890	1.5	400	3.1	59	776	60/300	35	**EVS-D 001**	04594	**SDD 1 F**	01942	**SDZ 1 F**	01943
B AMD 355/2 2,2 kW F300	03340	2890	2.2	400	4.3	68	776	60/300	37	**EVS-D 001**	04594	**SDD 1 F**	01942	**SDZ 1 F**	01943
F300 Pole-switching, 2 speed, three phase motor, Dahlander winding Y/YY, 400 V, 50 Hz, protection class IP55															
B AMD 355/4/2 0,2/0,8 kW F300	03342	1400/2820	0.2/0.8	400	0.6/1.9	59	777	60/300	29	**EVS-DA 001**	04548	**SDD 1 F**	01942	**SDZ 1 F**	01943
B AMD 355/4/2 0,25/1,1 kW F300	03343	1390/2810	0.25/1.1	400	0.8/2.5	59	777	60/300	30	**EVS-DA 001**	04548	**SDD 1 F**	01942	**SDZ 1 F**	01943
B AMD 355/4/2 0,37/1,5 kW F300	03344	1430/2875	0.37/1.5	400	1.2/3.6	68	777	60/300	35	**EVS-DA 001**	04548	**SDD 1 F**	01942	**SDZ 1 F**	01943
B AMD 355/4/2 0,5/2,2 kW F300	03345	1420/2845	0.5/2.2	400	1.5/4.6	93	777	60/300	37	**EVS-DA 001**	04548	**SDD 1 F**	01942	**SDZ 1 F**	01943
F400 Three phase motor, 400 V, 50 Hz, protection class IP55															
B AMD 355/2 0,75 kW F400	03179	2890	0.75	400	1.6	59	776	60/400	29	**EVS-D 001**	04594	**SDD 1 F**	01942	**SDZ 1 F**	01943
B AMD 355/2 1,1 kW F400	03180	2890	1.1	400	2.3	59	776	60/400	30	**EVS-D 001**	04594	**SDD 1 F**	01942	**SDZ 1 F**	01943
B AMD 355/2 1,5 kW F400	03181	2890	1.5	400	3.1	59	776	60/400	34	**EVS-D 001**	04594	**SDD 1 F**	01942	**SDZ 1 F**	01943
B AMD 355/2 2,2 kW F400	03182	2890	2.2	400	4.3	68	776	60/400	36	**EVS-D 001**	04594	**SDD 1 F**	01942	**SDZ 1 F**	01943
F400 Pole-switching, 2 speed, three phase motor, Dahlander winding Y/YY, 400 V, 50 Hz, protection class IP55															
B AMD 355/4/2 0,2/0,8 kW F400	03183	1400/2820	0.2/0.8	400	0.6/1.9	59	777	60/400	29	**EVS-DA 001**	04548	**SDD 1 F**	01942	**SDZ 1 F**	01943
B AMD 355/4/2 0,25/1,1 kW F400	03184	1390/2810	0.25/1.1	400	0.8/2.5	59	777	60/400	30	**EVS-DA 001**	04548	**SDD 1 F**	01942	**SDZ 1 F**	01943
B AMD 355/4/2 0,37/1,5 kW F400	03185	1430/2875	0.37/1.5	400	1.2/3.6	68	777	60/400	35	**EVS-DA 001**	04548	**SDD 1 F**	01942	**SDZ 1 F**	01943
B AMD 355/4/2 0,5/2,2 kW F400	03186	1420/2845	0.5/2.2	400	1.5/4.6	93	777	60/400	37	**EVS-DA 001**	04548	**SDD 1 F**	01942	**SDZ 1 F**	01943

The flow volume and pressure increase information is required to determine the pitch angle.

[1] For ventilation / smoke extraction (once 120 min.).

[2] For Z/P version due to higher total weight Type allocation according to tables on page 157.