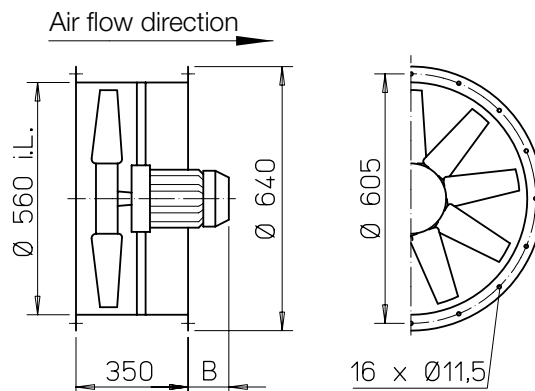


AVD DK 560



Dimensions AVD DK 560



All dimensions in mm

Dim. B see table

■ **Casing**

With motor bracket made from galvanised sheet steel.

■ **Impeller**

Hub and blades made of corrosion-resistant aluminium alloy. 10 aerodynamically profiled blades in combination with the guide vane achieve maximum efficiency and pressure ratings. Dynamically balanced, quality level 6.3 for low-vibration operation. Blades factory adjustable, see type overview for maximum pitch angle.

■ **Motor**

Directly driven by efficient IE3 three-phase standard motor. Pole-switching fans with IEC standard motor. Protection class IP55, insulation class F.

■ **Motor protrusion**

The protrudes dimension B in mm of the motor to the casing must be observed according to the type table.

■ **Motor protection**

All types have PTC resistors and must be protected by the following full motor protection devices: MSA, Ref. no. 01289 All other types must be protected by a conventional circuit breaker on site.

■ **Electrical connection**

Terminal box protection class IP55 mounted to casing.

■ **Speed control**

Controlled performance curves upon request. All types are speed controllable by frequency inverter (except pole-switching and explosion-proof). The planned use of a frequency inverter without sine filter must be stated when ordering. This requires a change of fan design and possible additional costs.

■ **Installation**

Installation in any position. Ensure that the motor drainage holes face downwards.

■ **Dimensions**

Pole-switching types may vary from adjacent information. Motor length may vary. Note protrusion dimension B.

■ **Noise levels**

The sound power levels are indicated by means of frequency and as sum levels above the performance curves.

Type	Ref. no.	Speed min ⁻¹	Motor power (nom.) (output) kW	Nominal voltage V	Power consumption A	Max. pitch angle ²⁾ °	Dim. B Motor protrusion mm	Wiring diagram No.	Max. air flow temp. +°C	Net weight approx. kg	Frequency inverter ³⁾ Type	Ref. no.
60° 3 phase motor, 400 V, 50 Hz, squirrel-cage rotor, protection class IP55												
AVD RK 560/4 1,1 kW	40326	1440	1.1	400	2.5	28	120	796	60	52	FU-BS 5	05460
AVD RK 560/4 1,5 kW	40327	1440	1.5	400	3.3	36	140	796	60	55	FU-BS 8	05461
AVD RK 560/4 2,2 kW	40328	1455	2.2	400	4.6	44	190	796	60	64	FU-BS 5	05460
AVD RK 560/2 4 kW	40329	2910	4.0	400	7.5	16	210	776	60	70	FU-BS 8	05461
AVD RK 560/2 5,5 kW	40330	2940	5.5	400	10.1	21	230	776	60	83	FU-CS 14	05875
AVD RK 560/2 7,5 kW	40331	2940	7.5	400	13.5	25	230	776	60	88	FU-CS 14	05875
60° Pole-switching, 2 speed, 3 phase motor, Dahlander winding Y/Y, 400 V, 50 Hz, protection class IP55												
AVD RK 560/4/2 1,4/5,9 kW ¹⁾	40332	1400/2900	1.4/5.9	400/400	3.6/11.4	22	190	777	60	76	—	—
AVD RK 560/4/2 2/8 kW ¹⁾	40333	1410/2900	2.0/8.0	400/400	4.7/14.9	26	230	777	60	83	—	—

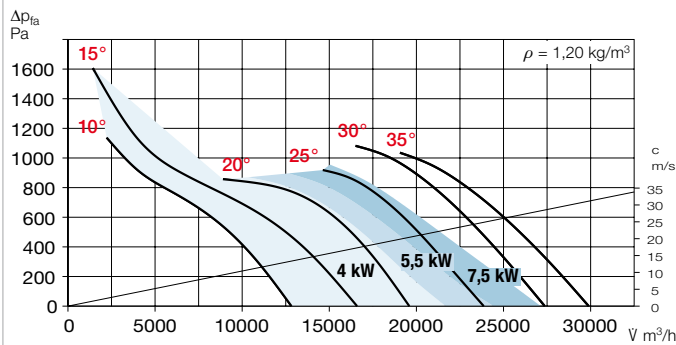
The flow volume and pressure increase information is required to determine the pitch angle.

¹⁾ Dahlander winding ²⁾ For the entire pitch angle performance curve, also higher depending on the operating point. ³⁾ Incl. full motor protection

Performance curves AVD 560/2

n=2950 1/min

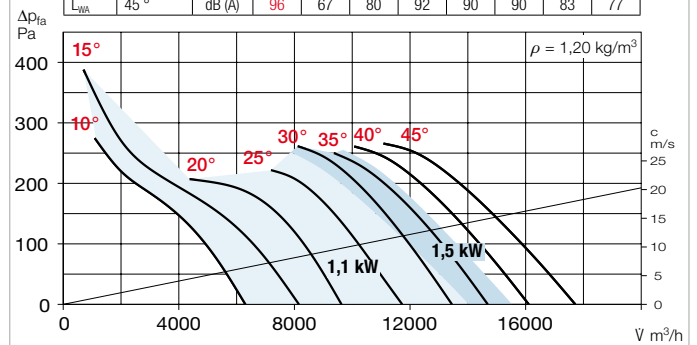
Frequency		Hz	Total	125	250	500	1k	2k	4k	8k
L _{WA}	15 °	dB (A)	107	69	81	97	104	102	97	89
L _{WA}	25 °	dB (A)	107	78	87	98	104	102	97	92
L _{WA}	35 °	dB (A)	111	85	87	97	107	106	101	94



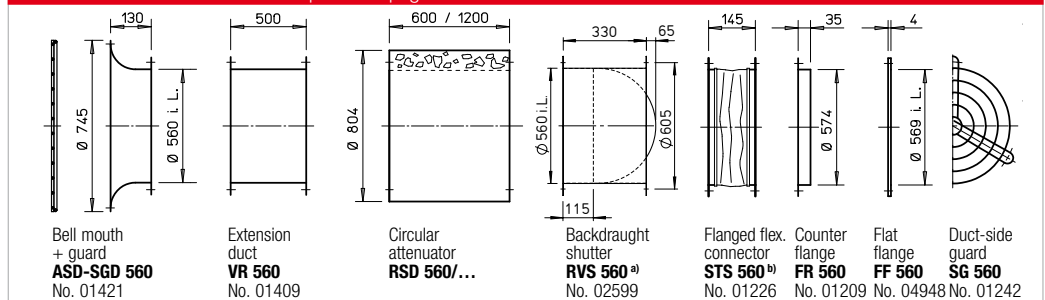
Performance curves AVD 560/4

n=1480 1/min

Frequency		Hz	Total	125	250	500	1k	2k	4k	8k
L _{WA}	15 °	dB (A)	89	58	75	84	84	81	75	66
L _{WA}	25 °	dB (A)	89	64	77	84	84	81	77	72
L _{WA}	35 °	dB (A)	92	63	75	87	89	84	79	74
L _{WA}	45 °	dB (A)	96	67	80	92	90	90	83	77

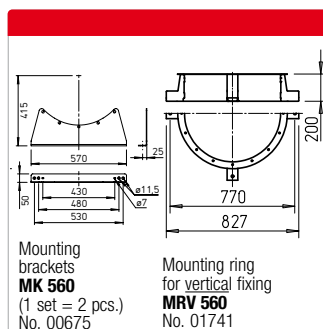


Accessories for AVD RK Description see page 167 ff.



a) Motor-operated back-draught shutter see main Helios catalogue

Anti-vibration mounts			
Pressure		Tensile	
Type	Ref. no.	Type	Ref. no.
SDD 1	01452	SDZ 1	01454
SDD 1	01452	SDZ 1	01454
SDD 1	01452	SDZ 2	01455
SDD 1	01452	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



Information	Page
Techn. description	22 f.
Project planning information	10 ff.
Special design	
Alternative voltage, protection class, air flow direction, higher air flow temperature and acid protection upon request.	

Other accessories	Page
Mounting accessories	164 ff.
Attenuators	172
Gas warning systems, switch and control technology	174 ff.
Frequency inverter	184 ff.