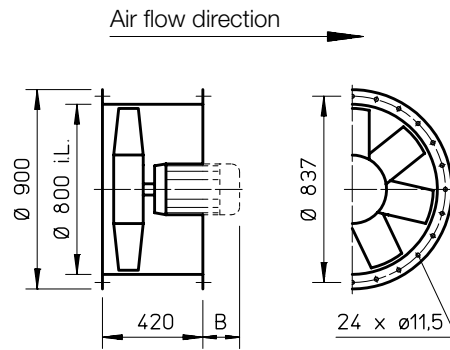


AVD DK 800



Dimensions AVD DK 800



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.

Explosion-proof types: 5 or 7 blades made of plastic, dynamically balanced.

■ **Motor**

Directly driven by efficient IE3 three-phase standard motor. Pole-switching fans with IEC standard motor. Protection class IP55, insulation class F. (Explosion-proof types differ)

■ **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 (except pole switching and explosion proof) 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 and explosion-proof 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 <sup>-1</sup>	Motor power (nom.) (output) kW	Nominal voltage V	Power consumption A	Max. pitch angle <sup>2)</sup> °	Dim. B Motor protrusion mm	Wiring diagram No.	Max. air flow temp. +°C	Net weight approx. kg	Frequency inverter <sup>3)</sup> Type	Ref. no.	
<b>60° 3 phase motor, 400 V, 50 Hz, squirrel-cage rotor, protection class IP55</b>													
AVD RK 800/6	1.5	40272	955	1.5	400	3.6	24	280	776	60	98	FU-BS 5.0	05460
AVD RK 800/6	2.2	40273	970	2.2	400	5.1	31	300	776	60	104	FU-BS 8.0	05461
AVD RK 800/6	3.0	40274	970	3.0	400	6.9	38	320	776	60	126	FU-BS 8.0	05461
AVD RK 800/4	3.0	40275	1440	3.0	400	6.0	17	280	776	60	104	FU-BS 8.0	05461
AVD RK 800/4	4.0	06960	1460	4.0	400	8.0	20	300	776	60	105	FU-BS 8.0	05461
AVD RK 800/4	5.5	06961	1470	5.5	400	10.7	24	320	776	60	129	FU-CS 14	05875
AVD RK 800/4	7.5	40276	1470	7.5	400	14.3	32	350	776	60	138	FU-BS 16	05463
<b>60° Pole-switching, 2 speed, 3 phase motor, Dahlander winding <math>\Delta/\Delta</math>, 400 V, 50 Hz, protection class IP55</b>													
AVD RK 800/8/4 <sup>1)</sup>	1.1/4.5	40277	680/1435	1.1/4.5	400/400	3.6/9.4	23	280	777	60	115	—	—
AVD RK 800/8/4 <sup>1)</sup>	1.5/6.3	40278	680/1440	1.5/6.3	400/400	4.6/12.3	29	320	777	60	120	—	—
<b>Ex Ex Explosion-proof Ex e II, 3 phase motor, 50 Hz, protection class IP54, temperature class 3</b>													
AVD RK 800/8 Ex	0.55	06974	695	0.55	400	2.2	32	140	470	40	81	not permitted	—
AVD RK 800/6 Ex	0.95	06976	960	0.95	400	2.7	23	105	470(020)	40	90	not permitted	—
AVD RK 800/6 Ex	1.9	06977	965	1.9	400	5.1	35	255	470(020)	40	132	not permitted	—
AVD RK 800/4 Ex	3.6	06978	1455	4.0	400/690	8.3	24	210	498	40	115	not permitted	—
AVD RK 800/4 Ex	5.0	06979	1450	5.0	400/690	10.4	30	290	498	40	143	not permitted	—

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

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

