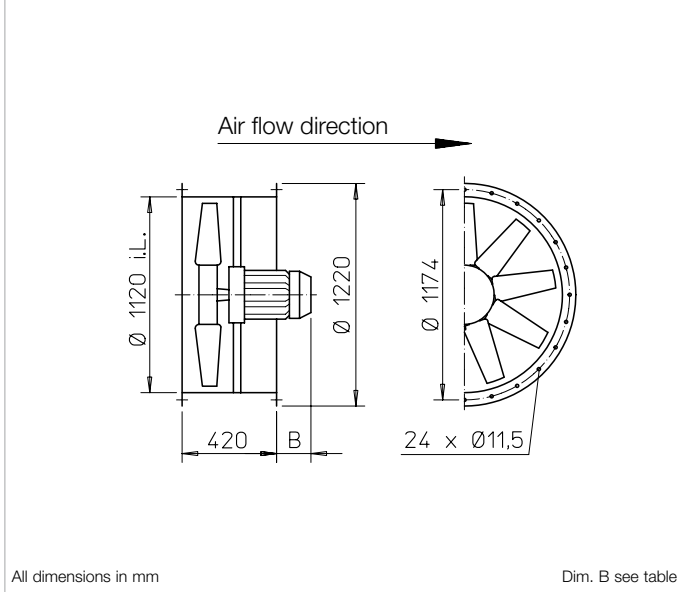


AVD DK 1120



Dimensions AVD DK 1120

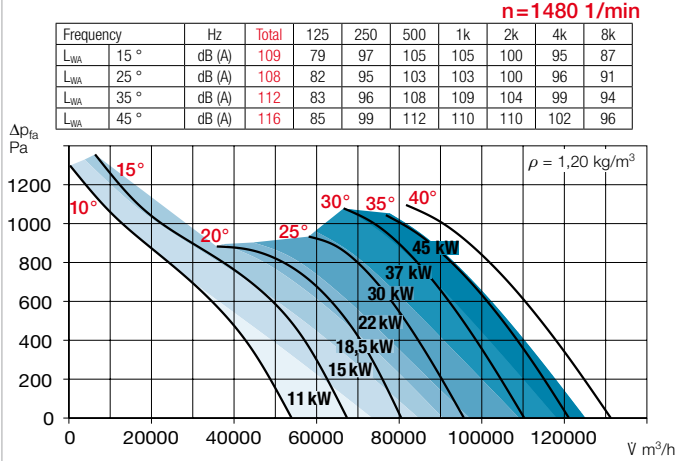


- Casing**
 With motor bracket made from galvanised sheet steel.
- Impeller**
 Hub and blades made of corrosion-resistant aluminium alloy. 10 aerodynamically profiled blades in combination with the guide vane achieve maximum efficiency and pressure ratings. Dynamically balanced, quality level 6.3 for 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 (except pole switching) have PTC resistors and must be protected by the following full motor protection devices: MSA, Ref. no. 01289
- 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). 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.

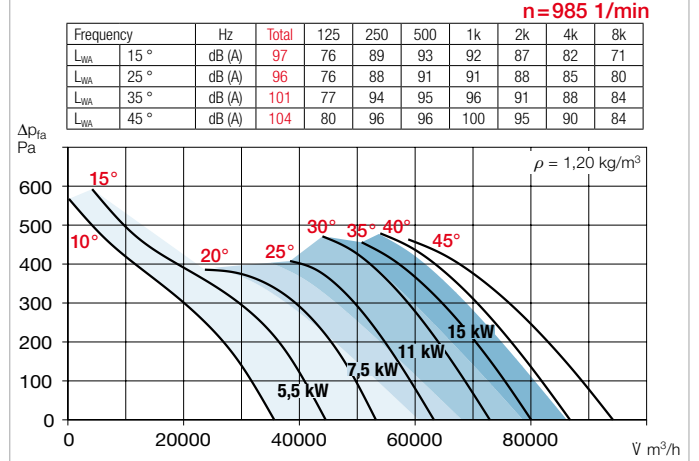
Type	Ref. no.	Speed	Motor power (nom.) (output)	Nominal voltage	Power consumption	Max. pitch angle ²⁾	Dim. B Motor protrusion	Wiring diagram	Max. air flow temp.	Net weight approx.	Frequency inverter ³⁾	
		min ⁻¹	kW	V	A	°	mm	No.	+°C	kg	Type	Ref. no.
60° 3 phase motor, 400 V, 50 Hz, squirrel-cage rotor, protection class IP55												
AVD RK 1120/6 5,5 kW	40292	970	5,5	400	12	13	340	776	60	200	FU-CS 14	05875
AVD RK 1120/6 7,5 kW	40211	960	7,5	400	16,2	23	400	776	60	260	FU-CS 18	05469
AVD RK 1120/6 11 kW	40212	960	11	400	23,2	30	450	776	60	300	FU-CS 32	05471
AVD RK 1120/6 15 kW	40213	960	15	400	30,1	39	520	776	60	320	FU-CS 32	05471
AVD RK 1120/4 11 kW	40294	1450	11	400	20,7	10	400	776	60	260	FU-CS 22	05470
AVD RK 1120/4 15 kW	40206	1450	15	400	27,4	13	440	776	60	300	FU-CS 32	05471
AVD RK 1120/4 18,5 kW	40207	1460	18,5	400	33,6	19	480	776	60	310	FU-CS 40	05472
AVD RK 1120/4 22 kW	40208	1460	22	400	39,3	21	520	776	60	330	FU-CS 40	05472
AVD RK 1120/4 30 kW	40209	1470	30	400	57,2	25	570	776	60	390		
AVD RK 1120/4 37 kW	40355	1470	37	400	65,4	29	570	776	60	460		
AVD RK 1120/4 45 kW	40210	1470	45	400	79,3	35	600	776	60	500		
60° Pole-switching, 2 speed, 3 phase motor, Dahlander winding Δ/Δ, 400 V, 50 Hz, protection class IP55												
AVD RK 1120/8/4 2,7/12 kW ¹⁾	40295	700/1460	2,7/12	400/400	7,09/24	10	450	777	60	235		
AVD RK 1120/8/4 3,5/15 kW ¹⁾	40296	720/1460	3,5/15	400/400	12,5/11,5	13	440	777	60	230		
AVD RK 1120/8/4 4,6/18,5 kW ¹⁾	40297	730/1470	4,6/18,5	400/400	14/35	18	520	777	60	250		
AVD RK 1120/8/4 7/30 kW ¹⁾	40298	720/1465	7/30	400/400	17,3/59	25	550	777	60	320		
AVD RK 1120/8/4 9/37 kW ¹⁾	40312	725/1465	9/37	400/400	23/69	30	600	777	60	350		
AVD RK 1120/8/4 11/45 kW ¹⁾	40954	725/1465	11/45	400/400	28/84	35	600	777	60	380		

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

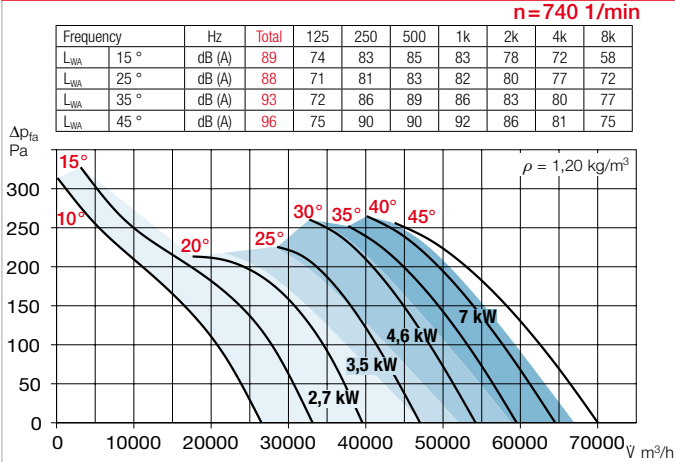
Performance curves AVD 1120/4



Performance curves AVD 1120/6

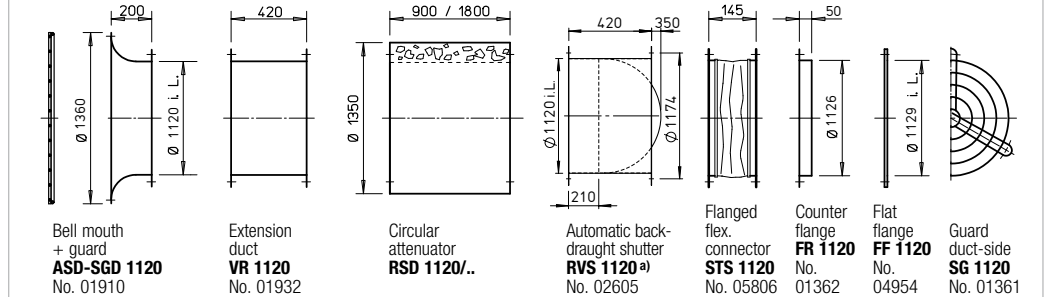


Performance curves AVD 1120/8

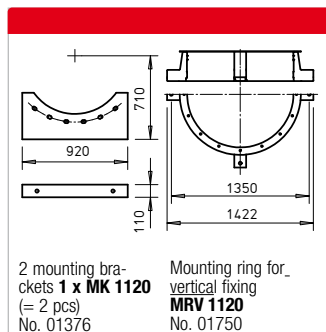


Accessories for AVD RK Description see page 167 ff.

Anti-vibration mounts			
Pressure		Tensile	
Type	Ref. no.	Type	Ref. no.
SDD 3	01367	SDZ 3	01366
SDD 3	01367	SDZ 3	01366
SDD 3	01367	SDZ 3	01366
SDD 3	01367	SDZ 6	01927
SDD 3	01367	SDZ 3	01366
SDD 3	01367	SDZ 3	01366
SDD 3	01367	SDZ 6	01927
SDD 3	01367	SDZ 6	01927
SDD 3	01367	SDZ 7	01929
SDD 3	01367	SDZ 7	01929
SDD 3	01367	SDZ 7	01929
SDD 3	01367	SDZ 3	01366
SDD 3	01367	SDZ 3	01366
SDD 3	01367	SDZ 3	01366
SDD 3	01367	SDZ 6	01927
SDD 3	01367	SDZ 6	01927
SDD 3	01367	SDZ 7	01929



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



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