



ALR

INDUSTRIAL RADIAL FANS / Backward Curved

Fan Components and Material Properties

Body and Fans wheel are manufactured from dkp steel sheet with electrostatic powder coating. All models have an asynchronous motor and have air flow at max.120°C.

Fan Structure

Single suction, low pressure, radial fan type. The fan blades are aerodynamically curved and provide regular flow. Made of welded fan blades.

Benefits

With the screwing system, the frame can be easily rotated to the desired shooting position. Vibrations are prevented by vibrations. Thanks to the aerodynamic wing structure, they work quietly.

Speed can be adjusted with speed control devices. The motor housing protects the electric motor from external influences.

Speed Control

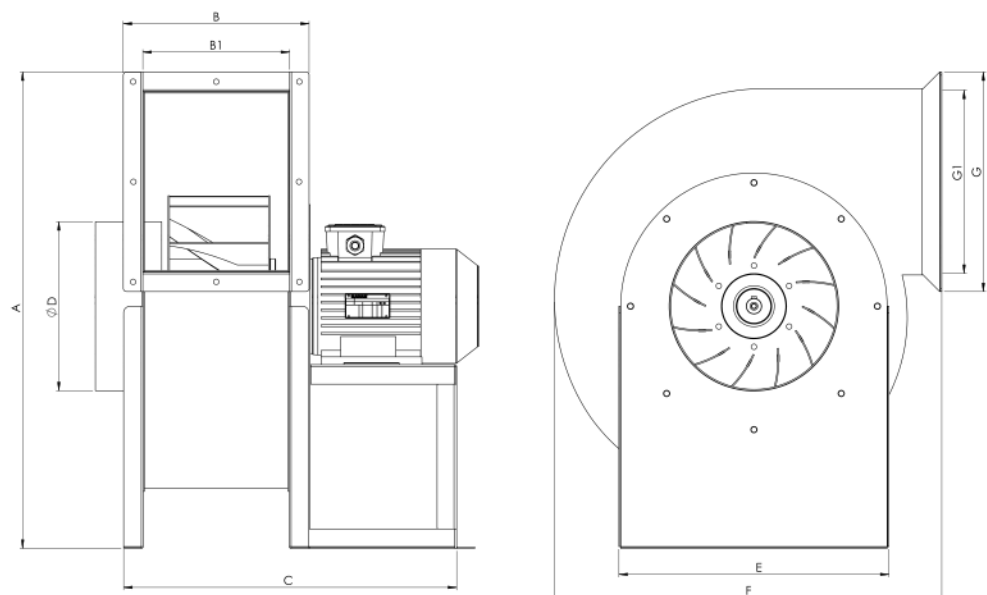
Optional control devices can be provided. Speed control can be done with linear voltage regulator in 1 ~ phase products (see BSC accessory). Speed control with frequency inverter can be done in 3 ~ phase products (see BSC-F accessory)

Usage Areas

In factories, and workshops etc. ventilation is used where required. It is suitable for smoke extraction and exhaust air exhaust filter.



Technical Drawing and Tables



Accessories



TYPE	A	B	B1	C	D	E	F	G	G1
ALR-1	555	225	165	395	Ø 165	320	410	255	195
ALR-2	585	245	185	415	Ø 200	360	505	310	250
ALR-3	695	270	210	445	Ø 240	390	530	320	260
ALR-4	735	285	225	515	Ø 260	415	595	340	280
ALR-5	795	295	235	545	Ø 300	435	630	365	305
ALR-6	795	295	235	545	Ø 320	460	630	365	305
ALR-7	905	300	240	545	Ø 350	480	665	425	365
ALR-8	940	330	270	635	Ø 400	530	785	490	430
ALR-9	1205	415	355	720	Ø 400	580	875	595	535

Dimensions are in (mm)

TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS
	V	Hz	kW	(A)	(μF)	r.p.m	m ³ /h	dB(A)	Ins.cl.	IP
ALR 1M	230	50	0,37	3	60/15	1425	2000	70	F	55
ALR 2M	230	50	0,75	5,4	120/30	1410	3500	72	F	55
ALR 3M	230	50	1,1	7,5	160/35	1410	4500	75	F	55
ALR 4M	230	50	1,5	9,8	130/50	1400	5500	85	F	55
ALR 5M	230	50	2,2	14	250/60	1425	7000	88	F	55
ALR 6M	230	50	3	20	250/60	1430	8000	92	F	55
ALR 1T	380	50	0,37	1,2	-	1390	2000	70	F	55
ALR 2T	380	50	0,75	1,92	-	1410	3500	72	F	55
ALR 3T	380	50	1,1	2,6	-	1410	4500	75	F	55
ALR 4T	380	50	1,5	3,5	-	1400	5500	85	F	55
ALR 5T	380	50	2,2	4,9	-	1420	7000	88	F	55
ALR 6T	380	50	3	6,7	-	1430	8000	92	F	55
ALR 7T	380	50	4	8,4	-	1440	9000	95	F	55
ALR 8T	380	50	5,5	11,5	-	1450	12000	98	F	55
ALR 9T	380	50	7,5	16	-	1455	14000	100	F	55

The sound level is measured at a distance of 3 m in open field condition.

