

**ETRI**  
Special Fans  
& Blowers



**AXAIR**  
FANS UK LIMITED  
[www.axair-fans.co.uk](http://www.axair-fans.co.uk)

2012 Edition

# ...About Axair Fans UK

## **Application Knowledge:**

Over 20 years experience in general air movement; including corrosive, explosive and hot fume handling.

## **Stock Facility:**

Large modern warehouse facility containing a vast selection of fans, fan components and general accessories.

## **Customised Build:**

Fans assembled from standard components to create the perfect mechanical and electrical solution to safe fume extraction.

## **Customer Care:**

Experience a sense of partnership with Axair Fans.



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All specifications, data and drawings are subject to alterations without prior notice

# About ETRI Fans

Etri was established over 50 years ago to manufacture small sizes of cooling fan. The company now has production sites in both France and Tunisia, and was acquired by Group Rosenberg in 2002 to operate within the Ecofit division.

The range manufactured by Etri is designed for applications that demand exceptional reliability whilst delivering high performance within compact dimensions.

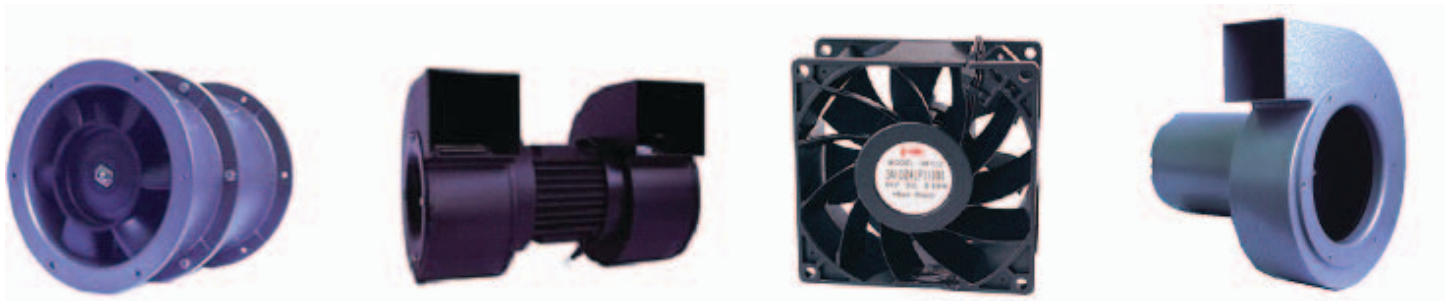
Typical applications would fall within aerospace, military and special commercial fields where shock, vibration, high and low temperatures, humidity, and salt spray require special fan constructions.

The Etri product range encompasses:

- AC axial fans
- DC (electronically commutated) axial fans
- 400Hz military spec. fans
- AC high performance fans
- DC high performance fans
- DC backward-curved fans
- AC single inlet centrifugal fans
- DC single inlet centrifugal fans

Optional features include speed sensing, speed control, temperature sensing and alarms.

Etri fans are produced within an ISO 9002 quality control system and carry UL, CUL recognition and VDE approval.

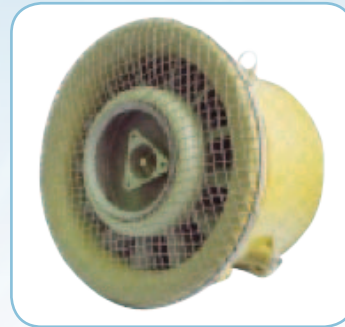


# Example of special designs

## Hydraulic Fan

Used in the Military / Aeronautics

- On board military application
- Helicopter rotor cooling



## Cooling Rack

Power supply cabinet cooling

- 45V power cabinet parts cooling

## NBC DC Fan

Used in the Military

- Blower for nuclear shelter filter



## AC Fan

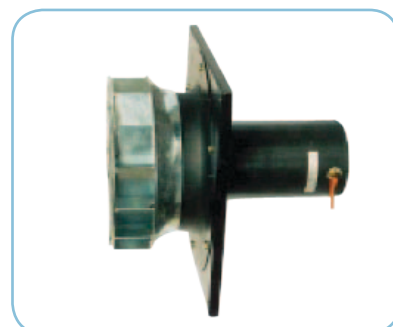
Used in the Navy

- On board military application
- Cooling system for navigation instruments monitoring

## Backward Curved Fan

Used in the Military / Aeronautics

- High performance brushless DC motor
- Railway specific input voltage : 110V DC
- Wide input voltage (200V to 400V DC) for satellite transmission





# Technologies and Know-how

ETRI fans can be made in accordance with four internal manufacturing codes which are identified as follows:

- a) according to the maximum air temperature at the inlet of the fan
- b) according to the climatic environment (humidity, tropical surroundings, etc.)

The manufacturing methods are coded as follows:

CODE 11 - Suitable for fans to operate in an atmosphere without special humidity conditions.

CODE 13 - Suitable for fans to operate in an atmosphere between - 10°C and + 70°C in humid tropical environment. In particular, protection against humidity complies with norm NFC20703 (test 3B 21 days) # MIL STD 202\* methode 103B.

CODE 14 - The reference is followed by 3 digits. They are allocated to each individual case. This requirement is always produced to customers' specification. It is suitable for fans to operate in temperatures lower than - 10°C and higher than + 70°C or in special environmental conditions.

CODE 17 - This manufacturing method could apply to marine specifications.

- Salt spray protection (non operating) E 507 specification issued by RCPM. Paragraph 3-21. Severity 6.
- Dry heat (non operating) E 507 specification issued by RCPM-Paragraph 3-21. Severity 5.
- Damp heat (operating) NFC 20703 specification (severity 5 Ref.3B) # MIL STD 202\* methode 103B.
- Shocks (operating) NFC 20727 specification (test 8B. Severity 30 A / 30 g - 11 ms) # MIL STD 202\* methode 213B.
- Vibrations (operating) E508 specification issued by RCPM. Paragraph 2-32 (23 Hz; +- 1 mm, 1 hour)

This manufacturing method applies to most of ball-bearing fan versions.






## STANDARDS & APPROVALS

Most of ETRI products are UL, CSA and VDE approved and according to European directives, they comply with EMI and electrical safety standards



The following data tables give the main characteristics of the ETRI standard fans ; for detailed information or specific request, consult the ETRI general catalogue or website [www.etrinet.com](http://www.etrinet.com). The options available are for indication only - Minimum order quantity and feasibility request may apply.

# DC Axial Fans

Size (mm)	Voltage (V)	Airflow m3/h	Pressure Pa	Noise dBA	Speed /min	Input Power W	Bearings	Options	Part No.	
	<b>25x25x10</b>	5	14.4	11.76	18	5000	0,2	BB	SP - AL	290DL5LP11000
		12	1.44	11.76	18	5000	0,36	BB	SP - AL	290DL1LP11000
		5	2.16	21.57	20	7000	0,3	BB	SP - AL	290DM5LP11000
		12	2.16	21.57	20	7000	0,48	BB	SP - AL	290DM1LP11000
		5	3.24	44.12	23,5	10000	0,6	BB	SP - AL	290DH5LP11000
		12	3.24	44.12	23,5	10000	0,72	BB	SP - AL	290DH1LP11000
		5	3.96	75.49	28	13000	0,8	BB	SP - AL	290DS5LP11000
	12	3.96	75.49	28	13000	0,96	BB	SP - AL	290DS1LP11000	
	<b>30x30x10</b>	5	3.96	9.80	17,5	6000	0,4	BB	SP - AL	260DL5LP11000
		12	3.96	9.80	17,5	6000	0,6	BB	SP - AL	260DL1LP11000
		5	5.04	14.71	20	7500	0,6	BB	SP - AL	260DM5LP11000
		12	5.04	14.71	20	7500	0,8	BB	SP - AL	260DM1LP11000
		5	6.12	24.51	25	9000	0,8	BB	SP - AL	260DH5LP11000
	12	6.12	24.51	25	9000	1,1	BB	SP - AL	260DH1LP11000	
	<b>35x35x10</b>	5	6.12	11.76	15	4500	0,3	BB	SP - AL	263DL5LP11000
		12	6.12	11.76	15	4500	0,5	BB	SP - AL	263DL1LP11000
		5	7.56	18.63	18	5800	0,5	BB	SP - AL	263DM5LP11000
		12	7.56	18.63	18	5800	0,6	BB	SP - AL	263DM1LP11000
		5	9.36	26.47	22	7000	0,7	BB	SP - AL	263DH5LP11000
	12	9.36	26.47	22	7000	1,1	BB	SP - AL	263DH1LP11000	
	<b>40x40x10</b>	5	6.48	19.61	25	4400	0,3	BB	SP - AL	276DL5LP11000
		12	6.48	19.61	25	4400	0,6	BB	SP - AL	276DL1LP11000
		5	7.92	31.37	28	5500	0,4	BB	SP - AL	276DM5LP11000
		12	7.92	31.37	28	5500	0,8	BB	SP - AL	276DM1LP11000
	12	9.72	46.08	35	6600	1,1	BB	SP - AL	276DH1LP11000	
	<b>40x40x20</b>	5	9.36	34.31	22	5000	0,5	BB	SP - AL	380DL5LP11000
		12	9.36	34.31	22	5000	0,6	BB	SP - AL	380DL1LP11000
		24	9.36	34.31	22	5000	1,0	BB	SP - AL	380DL2LP11000
		5	12.24	53.92	24	6300	0,8	BB	SP - AL	380DM5LP11000
		12	12.24	53.92	24	6300	0,7	BB	SP - AL	380DM1LP11000
		24	12.24	53.92	24	6300	1,2	BB	SP - AL	380DM2LP11000
		5	14.4	75.49	28,5	7600	1,3	BB	SP - AL	380DH5LP11000
		12	14.4	75.49	28,5	7600	1,0	BB	SP - AL	380DH1LP11000
		24	14.4	75.49	28,5	7600	1,4	BB	SP - AL	380DH2LP11000
		5	16.2	88.24	30,5	8200	1,5	BB	SP - AL	380DS5LP11000
		12	16.2	88.24	30,5	8200	1,2	BB	SP - AL	380DS1LP11000
		24	16.2	88.24	30,5	8200	1,7	BB	SP - AL	380DS2LP11000
		5	17.28	103.92	32,5	9000	1,6	BB	SP - AL	380DX5LP11000
		12	17.28	103.92	32,5	9000	1,4	BB	SP - AL	380DX1LP11000
	24	17.28	103.92	32,5	9000	2,2	BB	SP - AL	380DX2LP11000	

**AL** = Alarm output

**BB** = Ball bearings

**IP54** = IP54 dust & hosed protected

**M** = Marine protection

**MB** = Mixed bearings

**SA** = Salt spray protection

**SB** = Sleeve bearings

**SF** = Safety switch




**SP** = Speed sensor

**SV** = Shock & vibration protected

**V** = Variospeed

**W** = Wide temperature range

# DC Axial Fans

Size (mm)	Voltage (V)	Airflow m3/h	Pressure Pa	Noise dBA	Speed /min	Input Power W	Bearings	Options	Part No.		
	<b>50x50x15</b>	5	16.92	31.37	24	4000	0,8	BB	SP - AL - MB	274DL5LP11000	
	12	16.92	31.37	24	4000	0,7	BB	SP - AL - MB	274DL1LP11000		
	24	16.92	31.37	24	4000	1,7	BB	SP - AL - MB	274DL2LP11000		
	5	20.88	45.10	28	4800	1,1	BB	SP - AL - MB	274DM5LP11000		
	12	20.88	45.10	28	4800	1,0	BB	SP - AL - MB	274DM1LP11000		
	24	20.88	45.10	28	4800	1,7	BB	SP - AL - MB	274DM2LP11000		
	5	24.12	59.80	32	5600	1,6	BB	SP - AL - MB	274DH5LP11000		
	12	24.12	59.80	32	5600	1,2	BB	SP - AL - MB	274DH1LP11000		
	24	24.12	59.80	32	5600	2,2	BB	SP - AL - MB	274DH2LP11000		
	<b>60x60x10</b>	5	18	18.63	27	3500	0,8	MB	SP - AL	279DL5LP41000	
	12	18	18.63	27	3500	0,9	MB	SP - AL	279DL1LP41000		
	5	22.32	26.47	31	4200	1,2	MB	SP - AL	279DM5LP41000		
	12	22.32	26.47	31	4200	1,2	MB	SP - AL	279DM1LP41000		
	5	28.08	35.29	35	5000	1,5	MB	SP - AL	279DH5LP41000		
	12	28.08	35.29	35	5000	2,2	MB	SP - AL	279DH1LP41000		
		<b>60x60x15</b>	5	19.8	21.57	24	3000	0,7	BB	SP - AL	282DL5LP11000
		5	19.8	21.57	24	3000	0,7	MB	SP - AL	282DL5LP41000	
		12	19.8	21.57	24	3000	0,8	BB	SP - AL	282DL1LP11000	
12		19.8	21.57	24	3000	0,8	MB	SP - AL	282DL1LP41000		
24		19.8	21.57	24	3000	1,0	BB	SP - AL	282DL2LP11000		
24		19.8	21.57	24	3000	1,0	MB	SP - AL	282DL2LP41000		
5		23.04	29.41	29	3500	1,0	BB	SP - AL	282DM5LP11000		
5		23.04	29.41	29	3500	1,0	MB	SP - AL	282DM5LP41000		
12		23.04	29.41	29	3500	1,0	BB	SP - AL	282DM1LP11000		
12		23.04	29.41	29	3500	1,0	MB	SP - AL	282DM1LP41000		
24		23.04	29.41	29	3500	1,2	BB	SP - AL	282DM2LP11000		
24		23.04	29.41	29	3500	1,2	MB	SP - AL	282DM2LP41000		
5		26.28	38.24	32	4000	1,5	BB	SP - AL	282DH5LP11000		
5		26.28	38.24	32	4000	1,5	MB	SP - AL	282DH5LP41000		
12		26.28	38.24	32	4000	1,2	BB	SP - AL	282DH1LP11000		
12		26.28	38.24	32	4000	1,2	MB	SP - AL	282DH1LP41000		
24		26.28	38.24	32	4000	1,9	BB	SP - AL	282DH2LP11000		
24		26.28	38.24	32	4000	1,9	MB	SP - AL	282DH2LP41000		
12		29.52	49.02	35	4500	1,4	BB	SP - AL	282DS1LP11000		
12		29.52	49.02	35	4500	1,4	MB	SP - AL	282DS1LP41000		
24	29.52	49.02	35	4500	2,4	BB	SP - AL	282DS2LP11000			
24	29.52	49.02	35	4500	2,4	MB	SP - AL	282DS2LP41000			

**AL** = Alarm output

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**W** = Wide temperature range

# DC Axial Fans

Size	Voltage	Airflow	Pressure	Noise	Speed	Input Power	Bearings	Options	Part No.		
(mm)	(V)	m3/h	Pa	dBA	/min	W					
	<b>60x60x20</b>	5	22.32	29.41	24	3200	0,7	BB	SP - AL	272DL5LP11000	
		12	22.32	29.41	24	3200	0,84	BB	SP - AL - V	272DL1LP11000	
		24	22.32	29.41	24	3200	0,72	BB	SP - AL	272DL2LP11000	
		5	25.2	37.25	26	3600	0,95	BB	SP - AL	272DM5LP11000	
		12	25.2	37.25	26	3600	1,08	BB	SP - AL - V	272DM1LP11000	
		24	25.2	37.25	26	3600	0,96	BB	SP - AL	272DM2LP11000	
		5	28.08	47.06	28	4000	1,2	BB	SP - AL	272DH5LP11000	
		12	28.08	47.06	28	4000	1,32	BB	SP - AL - V	272DH1LP11000	
		24	28.08	47.06	28	4000	1,2	BB	SP - AL	272DH2LP11000	
		5	31.32	56.86	31	4400	1,65	BB	SP - AL	272DS5LP11000	
		12	31.32	56.86	31	4400	1,8	BB	SP - AL - V	272DS1LP11000	
		24	31.32	56.86	31	4400	1,68	BB	SP - AL	272DS2LP11000	
		12	33.48	68.63	33	4800	2,16	BB	SP - AL - V	272DX1LP11000	
		24	33.48	68.63	33	4800	2,16	BB	SP - AL	272DX2LP11000	
		<b>60x60x25</b>	5	24.12	26.47	24,5	3100	0,8	BB	SP - AL	281DL5LP11000-B
		12	24.12	26.47	22,5	3100	0,7	BB	SP - AL - V	281DL1LP11000-B	
		24	24.12	26.47	22,5	3100	1,2	BB	SP - AL	281DL2LP11000-B	
		48	24.12	26.47	22,5	3100	1,9	BB	SP - AL	281DL4LP11000-B	
		5	27.72	35.29	24,5	3600	1,1	BB	SP - AL	281DM5LP11000-B	
		12	27.72	35.29	24,5	3600	1,0	BB	SP - AL - V	281DM1LP11000-B	
		24	27.72	35.29	24,5	3600	1,4	BB	SP - AL	281DM2LP11000-B	
		48	27.72	35.29	24,5	3600	1,9	BB	SP - AL	281DM4LP11000-B	
		5	33.12	48.04	30	4250	1,6	BB	SP - AL	281DH5LP11000-B	
		12	33.12	48.04	28	4250	1,4	BB	SP - AL - V	281DH1LP11000-B	
		24	33.12	48.04	28	4250	1,9	BB	SP - AL	281DH2LP11000-B	
		48	33.12	48.04	28	4250	2,4	BB	SP - AL	281DH4LP11000-B	
		12	38.88	68.63	33	5000	2,2	BB	SP - AL - V	281DS1LP11000-B	
		24	38.88	68.63	33	5000	2,2	BB	SP - AL	281DS2LP11000-B	
		48	38.88	68.63	33	5000	2,9	BB	SP - AL	281DS4LP11000-B	
		12	51.12	100.98	39,5	5500	2,4	BB	SP - AL - V	281DX1LP11000-B	
		24	51.12	100.98	39,5	5500	3,4	BB	SP - AL	281DX2LP11000-B	
		48	51.12	100.98	39,5	5500	2,4	BB	SP - AL	281DX4LP11000-B	
		12	55.44	120.59	42,5	6000	2,9	BB	SP - AL - V	281DZ1LP11000-B	
		24	55.44	120.59	42,5	6000	3,8	BB	SP - AL	281DZ2LP11000-B	
		48	55.44	120.59	42,5	6000	3,0	BB	SP - AL	281DZ4LP11000-B	
		12	64.08	150.00	46,5	6800	3,8	BB	SP - AL - V	281DY1LP11000-B	
		24	64.08	150.00	46,5	6800	4,8	BB	SP - AL	281DY2LP11000-B	
		48	64.08	150.00	46,5	6800	3,8	BB	SP - AL	281DY4LP11000-B	
		<b>70x70x25</b>	12	28.8	24.51	24,5	2600	1,0	BB	SP - AL	291DL1LP11000
			24	28.8	24.51	24,5	2600	1,0	BB	SP - AL	291DL2LP11000
			48	28.8	24.51	24,5	2600	1,4	BB	SP - AL	291DL4LP11000
		5	34.2	31.37	28	3000	1,1	BB	SP	291DM5LP11000	
		12	34.2	31.37	28	3000	1,2	BB	SP - AL	291DM1LP11000	
		24	34.2	31.37	28	3000	1,2	BB	SP - AL	291DM2LP11000	
		48	34.2	31.37	28	3000	1,9	BB	SP - AL	291DM4LP11000	
		5	40.68	44.12	32	3600	2,0	BB	SP	291DH5LP11000	
		12	40.68	44.12	32	3600	1,6	BB	SP - AL	291DH1LP11000	
		24	40.68	44.12	32	3600	1,9	BB	SP - AL	291DH2LP11000	
		48	40.68	44.12	32	3600	1,9	BB	SP - AL	291DH4LP11000	
		12	46.08	53.92	35	4000	2,0	BB	SP - AL	291DS1LP11000	
		24	46.08	53.92	35	4000	2,4	BB	SP - AL	291DS2LP11000	
		48	46.08	53.92	35	4000	2,4	BB	SP - AL	291DS4LP11000	

**AL** = Alarm output

**MB** = Mixed bearings

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**SV** = Shock & vibration protected

**IP54** = IP54 dust & hosed protected

**SB** = Sleeve bearings

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**SF** = Safety switch

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# DC Axial Fans

Size (mm)	Voltage (V)	Airflow m3/h	Pressure Pa	Noise dBA	Speed /min	Input Power W	Bearings	Options	Part No.
<b>80x80x15</b>	12	42.12	21.57	27,5	2400	1,1	BB	SP - AL	230DL1LP11000
	24	42.12	21.57	27,5	2400	1,2	BB	SP - AL	230DL2LP11000
	12	47.88	26.47	30,5	2700	1,3	BB	SP - AL	230DM1LP11000
	24	47.88	26.47	30,5	2700	1,4	BB	SP - AL	230DM2LP11000
	12	56.88	34.31	34	3100	1,7	BB	SP - AL	230DH1LP11000
	24	56.88	34.31	34	3100	1,9	BB	SP - AL	230DH2LP11000
	12	60.48	39.22	37	3400	1,9	BB	SP - AL	230DS1LP11000
	24	60.48	39.22	37	3400	2,4	BB	SP - AL	230DS2LP11000
	12	66.6	47.06	39,5	3700	2,3	BB	SP - AL	230DX1LP11000
	24	66.6	47.06	39,5	3700	2,9	BB	SP - AL	230DX2LP11000
<b>80x80x25</b>	12	72.72	53.92	42,5	4000	3,2	BB	SP - AL	230DZ1LP11000
	24	72.72	53.92	42,5	4000	4,1	BB	SP - AL	230DZ2LP11000
	12	79.2	114.71	44	5585	7,0	BB	SP - IP54	146DS1LP11000
	24	79.2	114.71	44	5585	7,0	BB	SP - IP54	146DS2LP11000
	48	79.2	114.71	44	5585	7,0	BB	SP - IP54	146DS4LP11000
	5	47.52	25.49	25	2400	1,2	BB	SP - AL	246DL5LP11000
	12	47.52	25.49	25	2400	1,1	BB	SP - AL - V	246DL1LP11000
	24	47.52	25.49	25	2400	1,1	BB	SP - AL	246DL2LP11000
	48	47.52	25.49	25	2400	2,4	BB	SP - AL	246DL4LP11000
	5	53.28	32.35	28	2700	1,7	BB	SP - AL	246DM5LP11000
12	53.28	32.35	28	2700	1,4	BB	SP - AL - V	246DM1LP11000	
24	53.28	32.35	28	2700	1,4	BB	SP - AL	246DM2LP11000	
48	53.28	32.35	28	2700	2,9	BB	SP - AL	246DM4LP11000	
5	60.12	39.22	31	3000	2,2	BB	SP - AL	246DH5LP11000	
12	60.12	39.22	31	3000	1,9	BB	SP - AL - V	246DH1LP11000	
24	60.12	39.22	31	3000	1,7	BB	SP - AL	246DH2LP11000	
48	60.12	39.22	31	3000	3,4	BB	SP - AL	246DH4LP11000	
12	63.72	45.10	34	3250	2,4	BB	SP - AL - V	246DS1LP11000	
24	63.72	45.10	34	3250	2,2	BB	SP - AL - V	246DS2LP11000	
12	71.28	53.92	39	3600	3,1	BB	SP - AL - V	246DX1LP11000	
24	71.28	53.92	39	3600	3,4	BB	SP - AL	246DX2LP11000	
12	79.2	66.67	40	4000	4,1	BB	SP - AL - V	246DZ1LP11000	
24	79.2	66.67	40	4000	3,8	BB	SP - AL	246DZ2LP11000	
<b>80x80x38</b>	12	76.68	69.61	39	3400	2,4	BB	SP - AL	344DS1LP11000
	24	76.68	69.61	39	3400	3,6	BB	SP - AL	344DS2LP11000
	48	76.68	69.61	39	3400	3,8	BB	SP - AL	344DS4LP11000
	12	97.2	105.88	44,5	4200	4,6	BB	SP - AL	344DX1LP11000
	24	97.2	105.88	44,5	4200	5,8	BB	SP - AL	344DX2LP11000
	48	97.2	105.88	44,5	4200	5,3	BB	SP - AL	344DX4LP11000
	12	116.28	147.06	48,5	4900	7,0	BB	SP - AL	344DZ1LP11000
	24	116.28	147.06	48,5	4900	8,2	BB	SP - AL	344DZ2LP11000
	48	116.28	147.06	48,5	4900	7,7	BB	SP - AL	344DZ4LP11000
	12	136.08	201.96	52,5	5700	10,8	BB	SP - AL	344DY1LP11000
24	136.08	201.96	52,5	5700	12,0	BB	SP - AL	344DY2LP11000	

**AL** = Alarm output

**MB** = Mixed bearings

**SP** = Speed sensor

**BB** = Ball bearings

**SA** = Salt spray protection

**SV** = Shock & vibration protected

**IP54** = IP54 dust & hosed protected

**SB** = Sleeve bearings




**V** = Variospeed

**M** = Marine protection

**SF** = Safety switch

**W** = Wide temperature range

# DC Axial Fans

Size (mm)	Voltage (V)	Airflow m3/h	Pressure Pa	Noise dBA	Speed /min	Input Power W	Bearings	Options	Part No.	
	<b>92x92x25</b>	12	63	24.51	25	2100	0,8	BB	SP - AL - V	299DL1LP11000
	24	63	24.51	25	2100	1,4	BB	SP - AL	299DL2LP11000	
	48	63	24.51	25	2100	2,4	BB	SP - AL	299DL4LP11000	
	12	74.52	32.35	30	2450	1,3	BB	SP - AL - V	299DM1LP11000	
	24	74.52	32.35	30	2450	1,9	BB	SP - AL	299DM2LP11000	
	48	74.52	32.35	30	2450	2,4	BB	SP - AL	299DM4LP11000	
	12	87.12	44.12	34	2850	1,9	BB	SP - AL - V	299DH1LP11000	
	24	87.12	44.12	34	2850	2,4	BB	SP - AL	299DH2LP11000	
	48	87.12	44.12	34	2850	2,9	BB	SP - AL	299DH4LP11000	
	12	98.28	54.90	38	3200	3,0	BB	SP - AL - V	299DS1LP11000	
	24	98.28	54.90	38	3200	3,1	BB	SP - AL	299DS2LP11000	
	48	98.28	54.90	38	3200	3,8	BB	SP - AL	299DS4LP11000	
	12	115.2	75.49	45	3800	4,8	BB	SP - AL - V	299DX1LP11000	
	24	115.2	75.49	45	3800	5,3	BB	SP - AL	299DX2LP11000	
	<b>92x92x38</b>	12	121.68	74.51	42,5	3200	4,2	BB	SP - AL	341DS1LP11000
	24	121.68	74.51	42,5	3200	4,3	BB	SP - AL	341DS2LP11000	
	48	121.68	74.51	42,5	3200	4,8	BB	SP - AL	341DS4LP11000	
	12	145.08	100.98	47,5	3800	6,0	BB	SP - AL	341DX1LP11000	
	24	145.08	100.98	47,5	3800	6,7	BB	SP - AL	341DX2LP11000	
	48	145.08	100.98	47,5	3800	6,7	BB	SP - AL	341DX4LP11000	
	12	170.28	142.16	52,5	4400	9,0	BB	SP - AL	341DZ1LP11000	
	24	170.28	142.16	52,5	4400	9,6	BB	SP - AL	341DZ2LP11000	
	48	170.28	142.16	52,5	4400	9,6	BB	SP - AL	341DZ4LP11000	
	12	187.2	165.69	55	4800	12,0	BB	SP - AL	341DY1LP11000	
24	187.2	165.69	55	4800	12,0	BB	SP - AL	341DY2LP11000		
	<b>120x120x25</b>	12	97.2	24.51	31	1950	1,7	BB	SP - AL	398DL1LP11000
	24	97.2	24.51	31	1950	1,7	BB	SP - AL	398DL2LP11000	
	48	97.2	24.51	31	1950	1,9	BB	SP - AL	398DL4LP11000	
	12	117	34.31	34	2300	2,0	BB	SP - AL	398DM1LP11000	
	24	117	34.31	34	2300	2,2	BB	SP - AL	398DM2LP11000	
	48	117	34.31	34	2300	2,4	BB	SP - AL	398DM4LP11000	
	12	139.68	46.08	39	2670	3,2	BB	SP - AL	398DH1LP11000	
	24	139.68	46.08	39	2670	3,4	BB	SP - AL	398DH2LP11000	
	48	139.68	46.08	39	2670	3,4	BB	SP - AL	398DH4LP11000	
	12	159.12	56.86	42,5	3000	3,6	BB	SP - AL	398DS1LP11000	
	24	159.12	56.86	42,5	3000	3,6	BB	SP - AL	398DS2LP11000	
	48	159.12	56.86	42,5	3000	3,8	BB	SP - AL	398DS4LP11000	
	12	173.52	67.65	45,5	3300	4,8	BB	SP - AL	398DX1LP11000	
	24	173.52	67.65	45,5	3300	4,8	BB	SP - AL	398DX2LP11000	
	48	173.52	67.65	45,5	3300	4,8	BB	SP - AL	398DX4LP11000	
	12	193.68	84.31	48,5	3700	6,0	BB	SP - AL	398DZ1LP11000	
	24	193.68	84.31	48,5	3700	6,0	BB	SP - AL	398DZ2LP11000	
	48	193.68	84.31	48,5	3700	6,7	BB	SP - AL	398DZ4LP11000	

**AL** = Alarm output

**BB** = Ball bearings

**IP54** = IP54 dust & hosed protected

**M** = Marine protection

**MB** = Mixed bearings

**SA** = Salt spray protection

**SB** = Sleeve bearings

**SF** = Safety switch



**SP** = Speed sensor

**SV** = Shock & vibration protected

**V** = Variospeed

**W** = Wide temperature range

# DC Axial Fans

Size (mm)	Voltage (V)	Airflow m3/h	Pressure Pa	Noise dBA	Speed /min	Input Power W	Bearings	Options	Part No.	
	<b>120x120x32</b>	5	97.2	21.57	29,5	1680	1,4	BB	SP- AL- IP54- SA- SV	158DL5LP11000
	12	97.2	21.57	29,5	1680	1,6	BB	SP- AL- V- IP54- SA- SV	158DL1LP11000	
	24	97.2	21.57	29,5	1680	1,8	BB	SP - AL - IP54 - SA - SV	158DL2LP11000	
	48	97.2	21.57	29,5	1680	2,1	BB	SP - AL - IP54 - SA - SV	158DL4LP11000	
	5	140.4	47.06	37,5	2450	3,2	BB	SP - AL - IP54 - SA - SV	158DM5LP11000	
	12	140.4	47.06	37,5	2450	3,3	BB	SP- AL- V- IP54- SA- SV	158DM1LP11000	
	24	140.4	47.06	37,5	2450	3,5	BB	SP - AL - IP54 - SA - SV	158DM2LP11000	
	48	140.4	47.06	37,5	2450	3,7	BB	SP - AL - IP54 - SA - SV	158DM4LP11000	
	5	176.4	72.55	42,5	3050	6,2	BB	SP - AL - IP54 - SA - SV	158DH5LP11000	
	12	176.4	72.55	42,5	3050	6,2	BB	SP- AL- V- IP54- SA- SV	158DH1LP11000	
	24	176.4	72.55	42,5	3050	6,2	BB	SP - AL - IP54 - SA - SV	158DH2LP11000	
	48	176.4	72.55	42,5	3050	6,2	BB	SP - AL - IP54 - SA - SV	158DH4LP11000	
	<b>120x120x38</b>	12	144	45.10	34	2000	2,3	BB	SP - AL - V	235DL1LP11000
	24	144	45.10	34	2000	3,6	BB	SP - AL	235DL2LP11000	
	48	144	45.10	34	2000	2,9	BB	SP - AL	235DL4LP11000	
	12	161.28	58.82	38	2300	3,1	BB	SP - AL - V	235DM1LP11000	
	24	161.28	58.82	38	2300	4,6	BB	SP - AL	235DM2LP11000	
	48	161.28	58.82	38	2300	4,6	BB	SP - AL	235DM4LP11000	
	12	180	74.51	41	2600	3,8	BB	SP - AL - V	235DH1LP11000	
	24	180	74.51	41	2600	5,8	BB	SP - AL	235DH2LP11000	
	48	180	74.51	41	2600	5,8	BB	SP - AL	235DH4LP11000	
	12	204.12	88.24	44	2900	5,5	BB	SP - AL - V	235DS1LP11000	
	24	204.12	88.24	44	2900	7,2	BB	SP - AL	235DS2LP11000	
	48	204.12	88.24	44	2900	7,2	BB	SP - AL	235DS4LP11000	
	12	220.68	104.90	48	3200	7,2	BB	SP - AL - V	235DX1LP11000	
	24	220.68	104.90	48	3200	9.1	BB	SP - AL	235DX2LP11000	
	48	220.68	104.90	48	3200	8.6	BB	SP - AL	235DX4LP11000	
	12	258.12	142.16	53	3700	12.6	BB	SP - AL - V	235DZ1LP11000	
	24	258.12	142.16	53	3700	12	BB	SP - AL	235DZ2LP11000	
	12	258.12	110.78	53	3200	12	BB	SP - AL	338DX1LP11000	
	24	258.12	110.78	53	3200	13.4	BB	SP - AL	338DX2LP11000	
	48	258.12	110.78	53	3200	17.3	BB	SP - AL	338DX4LP11000	
	12	290.52	140.20	56.5	3600	18	BB	SP - AL	338DZ1LP11000	
	24	290.52	140.20	56.5	3600	19.2	BB	SP - AL	338DZ2LP11000	
	48	290.52	140.20	56.5	3600	17.3	BB	SP - AL	338DZ4LP11000	
	12	322.92	173.53	59	4000	24	BB	SP - AL	338DY1LP11000	
	24	322.92	173.53	59	4000	24	BB	SP - AL	338DY2LP11000	
	48	322.92	173.53	59	4000	24	BB	SP - AL	338DY4LP11000	

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**MB** = Mixed bearings

**SA** = Salt spray protection

**SB** = Sleeve bearings

**SF** = Safety switch




**SP** = Speed sensor

**SV** = Shock & vibration protected

**V** = Variospeed

**W** = Wide temperature range

# DC Axial Fans

Size (mm)	Voltage (V)	Airflow m3/h	Pressure Pa	Noise dBA	Speed /min	Input Power W	Bearings	Options	Part No.	
	<b>127x127x38</b>	12	191.88	63.73	43	2600	4.8	BB	SP - AL	337DL1LP11000
		24	191.88	63.73	43	2600	5.3	BB	SP - AL	337DL2LP11000
		48	191.88	63.73	43	2600	5.8	BB	SP - AL	337DL4LP11000
		12	221.04	81.37	46.5	3000	7	BB	SP - AL	337DM1LP11000
		24	221.04	81.37	46.5	3000	7.4	BB	SP - AL	337DM2LP11000
		48	221.04	81.37	46.5	3000	7.7	BB	SP - AL	337DM4LP11000
		12	256.32	104.90	49.5	3400	9.8	BB	SP - AL	337DH1LP11000
		24	256.32	104.90	49.5	3400	9.8	BB	SP - AL	337DH2LP11000
		48	256.32	104.90	49.5	3400	10.1	BB	SP - AL	337DH4LP11000
		12	285.48	131.37	52.5	3800	13	BB	SP - AL	337DS1LP11000
		24	285.48	131.37	52.5	3800	13	BB	SP - AL	337DS2LP11000
		48	285.48	131.37	52.5	3800	13.4	BB	SP - AL	337DS4LP11000
		12	314.28	160.78	55.5	4200	16.8	BB	SP - AL	337DX1LP11000
		24	314.28	160.78	55.5	4200	16.8	BB	SP - AL	337DX2LP11000
		12	339.84	188.24	58.5	4600	22.1	BB	SP - AL	337DZ1LP11000
		24	339.84	188.24	58.5	4600	22.1	BB	SP - AL	337DZ2LP11000
	<b>172x150x38</b>	24	378	220.59	62	4000	23	BB	SP - AL - IP54 - SA	121DH2TM11200
		12	396	122.55	58	3100	13	BB	SP - AL - IP54 - SA	148DH1TM11000
		24	403.2	117.65	58	3100	16	BB	SP - AL - IP54 - SA	148DH2TM11000
		48	403.2	117.65	58	3100	16	BB	SP - AL - IP54 - SA	148DH4TM11000
		110	403.2	117.65	58	3100	13	BB	SP - AL - IP54 - SA	148DH9TM11207
		24	432	318.63	66	4650	30	BB	SP - AL - IP54 - SA	121DW2TM11200
	28	432	318.63	66	4650	30	BB	SP - AL - IP54 - SA	121DW9TM11200	
	<b>172x150x50</b>	12	357.12	116.67	50	2800	10.1	BB	SP - AL	352DL1LM11000
		24	357.12	116.67	50	2800	10.1	BB	SP - AL	352DL2LM11000
		48	357.12	116.67	50	2800	11.5	BB	SP - AL	352DL4LM11000
		12	391.32	142.16	52	3050	12.6	BB	SP - AL	352DM1LM11000
		24	391.32	142.16	52	3050	11.8	BB	SP - AL	352DM2LM11000
		48	391.32	142.16	52	3050	13.9	BB	SP - AL	352DM4LM11000
		12	427.68	171.57	55	3350	16.8	BB	SP - AL	352DH1LM11000
		24	427.68	171.57	55	3350	15.1	BB	SP - AL	352DH2LM11000
		48	427.68	171.57	55	3350	16.8	BB	SP - AL	352DH4LM11000
		12	475.2	199.02	57.5	3700	25.3	BB	SP - AL	352DS1LM11000
		24	475.2	199.02	57.5	3700	20.4	BB	SP - AL	352DS2LM11000
		48	475.2	199.02	57.5	3700	23.5	BB	SP - AL	352DS4LM11000
		24	513.72	233.33	60	4000	26.4	BB	SP - AL	352DX2LM11000
		48	513.72	233.33	60	4000	30.7	BB	SP - AL	352DX4LM11000
	24	552.24	269.61	63	4300	32.9	BB	SP - AL	352DZ2LM11000	

**AL** = Alarm output

**MB** = Mixed bearings

**SP** = Speed sensor

**BB** = Ball bearings

**SA** = Salt spray protection

**SV** = Shock & vibration protected

**IP54** = IP54 dust & hosed protected

**SB** = Sleeve bearings


**V** = Variospeed

**M** = Marine protection

**SF** = Safety switch

**W** = Wide temperature range

# DC Axial Fans

Size	Voltage	Airflow	Pressure	Noise	Speed	Input Power	Bearings	Options	Part No.
(mm)	(V)	m3/h	Pa	dBA	/min	W			
	12	357.12	116.67	50	2800	10.1	BB	SP - AL	354DL1LM11000
	24	357.12	116.67	50	2800	10.1	BB	SP - AL	354DL2LM11000
	48	357.12	116.67	50	2800	11.5	BB	SP - AL	354DL4LM11000
	12	391.32	142.16	52	3050	12.6	BB	SP - AL	354DM1LM11000
	24	391.32	142.16	52	3050	11.8	BB	SP - AL	354DM2LM11000
	48	391.32	142.16	52	3050	13.9	BB	SP - AL	354DM4LM11000
	12	427.68	171.57	55	3350	16.8	BB	SP - AL	354DH1LM11000
	24	427.68	171.57	55	3350	15.1	BB	SP - AL	354DH2LM11000
	48	427.68	171.57	55	3350	16.8	BB	SP - AL	354DH4LM11000
	12	475.2	199.02	57.5	3700	25.3	BB	SP - AL	354DS1LM11000
	24	475.2	199.02	57.5	3700	20.4	BB	SP - AL	354DS2LM11000
	48	475.2	199.02	57.5	3700	23.5	BB	SP - AL	354DS4LM11000
	24	513.72	233.33	60	4000	26.4	BB	SP - AL	354DX2LM11000
	48	513.72	233.33	60	4000	30.7	BB	SP - AL	354DX4LM11000
	24	552.24	269.61	63	4300	32.9	BB	SP - AL	354DZ2LM11000

# DC High Performance Fans

Size	Voltage	Airflow	Pressure	Noise	Speed	Input Power	Bearings	Options	Part No.
(mm)	(V)	m3/h	Pa	dBA	/min	W			
<b>107x80x60</b>	27	103.32	305.88	58	6800	16	BB	M - SP - SV	82DBT05D6000
<b>Ø240x151</b>	48	1116	604.90	73.5	4350	120	BB	M - V - SP - SV	62DBV01F6201
<b>Ø350x263</b>	26	1926	702.94	80.5	3050	200	BB	M - SP - SV	97DBW01C6200



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**M** = Marine protection

**MB** = Mixed bearings

**SA** = Salt spray protection

**SB** = Sleeve bearings

**SF** = Safety switch

**SP** = Speed sensor

**SV** = Shock & vibration protected

**V** = Variospeed

**W** = Wide temperature range



# DC Centrifugal Fans

Size (mm)	Voltage (V)	Airflow m3/h	Pressure Pa	Noise dBA	Speed /min	Input Power W	Bearings	Options	Part No.	
	<b>12</b>	4.32	68.63	26.5	3500	0.8	BB	SP - AL	593DL1LP11000	
	<b>24</b>	4.32	68.63	26.5	3500	1.2	BB	SP - AL	593DL2LP11000	
	<b>12</b>	5.4	107.84	32.5	4500	1.2	BB	SP - AL	593DM1LP11000	
	<b>24</b>	5.4	107.84	32.5	4500	1.7	BB	SP - AL	593DM2LP11000	
	<b>12</b>	6.48	176.47	38	5500	1.9	BB	SP - AL	593DH1LP11000	
	<b>24</b>	6.48	176.47	38	5500	2.2	BB	SP - AL	593DH2LP11000	
	<b>12</b>	11.88	39.22	26	1900	0.7	BB	SP - AL	591DL1LP11000	
	<b>24</b>	11.88	39.22	26	1900	1.2	BB	SP - AL	591DL2LP11000	
	<b>12</b>	15.12	66.67	32	2350	1.6	BB	SP - AL	591DM1LP11000	
	<b>24</b>	15.12	66.67	32	2350	1.7	BB	SP - AL	591DM2LP11000	
	<b>12</b>	19.08	119.61	38	2900	2.6	BB	SP - AL	591DH1LP11000	
	<b>24</b>	19.08	119.61	38	2900	2.9	BB	SP - AL	591DH2LP11000	
	<b>12</b>	32.4	124.51	45	2700	3.8	BB	SP - AL	595DL1LP11000	
	<b>24</b>	32.4	124.51	45	2700	3.8	BB	SP - AL	595DL2LP11000	
	<b>12</b>	38.52	186.27	49	3200	6.8	BB	SP - AL	595DM1LP11000	
	<b>24</b>	38.52	186.27	49	3200	6.2	BB	SP - AL	595DM2LP11000	
	<b>12</b>	43.2	249.02	52	3600	9.6	BB	SP - AL	595DH1LP11000	
	<b>24</b>	43.2	249.02	52	3600	9.6	BB	SP - AL	595DH2LP11000	
	<b>12</b>	47.88	323.53	55	4000	13.2	BB	SP - AL	595DS1LP11000	
	<b>24</b>	47.88	323.53	55	4000	13.2	BB	SP - AL	595DS2LP11000	
		<b>12</b>	42.12	137.25	47	2100	4.8	BB	SP - AL	598DL1LP11000
		<b>24</b>	42.12	137.25	47	2100	5.8	BB	SP - AL	598DL2LP11000
<b>12</b>		45.72	171.57	48.5	2300	7	BB	SP - AL	598DM1LP11000	
<b>24</b>		45.72	171.57	48.5	2300	6.7	BB	SP - AL	598DM2LP11000	
<b>12</b>		49.32	205.88	51	2500	9.8	BB	SP - AL	598DH1LP11000	
<b>24</b>		49.32	205.88	51	2500	8.4	BB	SP - AL	598DH2LP11000	
	<b>12</b>	33.12	76.47	42.5	1700	2.9	BB	SP - AL	596DL1LP11000	
	<b>24</b>	33.12	76.47	42.5	1700	3.1	BB	SP - AL	596DL2LP11000	
	<b>48</b>	33.12	76.47	42.5	1700	3.8	BB	SP - AL	596DL4LP11000	
	<b>12</b>	40.32	117.65	46	2000	5	BB	SP - AL	596DM1LP11000	
	<b>24</b>	40.32	117.65	46	2000	5.5	BB	SP - AL	596DM2LP11000	
	<b>48</b>	40.32	117.65	46	2000	5.8	BB	SP - AL	596DM4LP11000	
	<b>12</b>	46.08	174.51	51.5	2300	8.2	BB	SP - AL	596DH1LP11000	
	<b>24</b>	46.08	174.51	51.5	2300	8.2	BB	SP - AL	596DH2LP11000	
	<b>12</b>	83.52	210.78	51.5	1800	9.6	BB	SP - AL	599DL1LP11000	
	<b>24</b>	83.52	210.78	51.5	1800	9.6	BB	SP - AL	599DL2LP11000	
	<b>48</b>	83.52	210.78	51.5	1800	10.6	BB	SP - AL	599DL4LP11000	
	<b>12</b>	92.52	274.51	54.5	2000	13.2	BB	SP - AL	599DM1LP11000	
	<b>24</b>	92.52	274.51	54.5	2000	13.4	BB	SP - AL	599DM2LP11000	
	<b>48</b>	92.52	274.51	54.5	2000	13.4	BB	SP - AL	599DM4LP11000	
	<b>12</b>	105.12	345.10	56.5	2200	17.2	BB	SP - AL	599DH1LP11000	
	<b>24</b>	105.12	345.10	56.5	2200	17.8	BB	SP - AL	599DH2LP11000	

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**MB** = Mixed bearings

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**SV** = Shock & vibration protected

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**SB** = Sleeve bearings






**V** = Variospeed

**M** = Marine protection

**SF** = Safety switch

**W** = Wide temperature range

# AC Axial Fans

Size	Voltage	Frequency	Airflow	Pressure	Noise	Speed	Input Power	Bearings	Options	Part No.	
(mm)	(V)	(Hz)	m <sup>3</sup> /h	Pa	dBA	/min	W				
	<b>Ø80x25</b>	<b>115</b>	50	32.4	32.35	26	2500	10	BB	SA - SB - SV - M - W	146DF0182000
	<b>115</b>	60	39.6	47.06	32	3100	8	BB	SA - SB - SV - M - W	146DF0182000	
	<b>208-240</b>	50	32.4	32.35	26	2500	11	BB	SA - SB - SV - M - W	146DF0181000	
	<b>208-240</b>	60	39.6	47.06	32	3100	9	BB	SA - SB - SV - M - W	146DF0181000	
	<b>80x80x38</b>	<b>115</b>	50	21.6	10.78	10	1350	5	BB	SV - W - SB	126LH0182000
	<b>115</b>	60	25.2	13.73	11	1550	4	BB	SV - W - SB	126LH0182000	
	<b>208-240</b>	50	23.4	13.73	14	1550	7	BB	SV - W - SB	126LH0181000	
	<b>208-240</b>	60	28.8	17.65	18	1850	6	BB	SV - W - SB	126LH0181000	
	<b>115</b>	50	32.4	24.51	22	2000	7	BB	SV - W - SB	126LJ0182000	
	<b>115</b>	60	39.6	35.29	25	2400	6	BB	SV - W - SB	126LJ0182000	
	<b>208-240</b>	50	32.4	24.51	22	2000	8	BB	SV - W - SB	126LJ0181000	
	<b>208-240</b>	60	39.6	35.29	25	2400	7	BB	SV - W - SB	126LJ0181000	
	<b>115</b>	50	45	49.02	30	2750	10	BB	SV - W - SB	126LF0182000	
	<b>115</b>	60	54	68.63	35	3250	8	BB	SV - W - SB	126LF0182000	
	<b>208-240</b>	50	45	49.02	30	2750	12	BB	SV - W - SB	126LF0181000	
	<b>208-240</b>	60	54	68.63	35	3250	9	BB	SV - W - SB	126LF0181000	
	<b>92x92x25</b>	<b>115</b>	50	28.8	15.69	21	1500	7	BB	SP - SA - SV - M - W	99XM0182000
	<b>115</b>	60	36	23.53	25.5	1800	6	BB	SP - SA - SV - M - W	99XM0182000	
	<b>208-240</b>	50	28.8	15.69	21	1500	8	BB	SP - SA - SV - M - W	99XM0181000	
	<b>208-240</b>	60	36	23.53	25.5	1800	7	BB	SP - SA - SV - M - W	99XM0181000	
	<b>115</b>	50	43.2	39.22	32	2200	8	BB	SP - SA - SV - M - W	99XW0182000	
	<b>115</b>	60	50.4	47.06	35.5	2500	6	BB	SP - SA - SV - M - W	99XW0182000	
	<b>208-240</b>	50	43.2	39.22	32	2200	9	BB	SP - SA - SV - M - W	99XW0181000	
	<b>208-240</b>	60	50.4	47.06	35.5	2500	7	BB	SP - SA - SV - M - W	99XW0181000	
	<b>115</b>	50	54	58.82	38	2700	12	BB	SP - SA - SV - M - W	99XU0182000	
	<b>115</b>	60	66.6	83.33	42	3200	9	BB	SP - SA - SV - M - W	99XU0182000	
	<b>208-240</b>	50	54	58.82	38	2700	14	BB	SP - SA - SV - M - W	99XU0181000	
	<b>208-240</b>	60	66.6	83.33	42	3200	11	BB	SP - SA - SV - M - W	99XU0181000	
	<b>92x92x38</b>	<b>115</b>	50	75.6	65.69	36	2850	10	BB	SP-SB-SA-SV-M-W	113XN0182000
	<b>115</b>	60	90	88.24	41	3300	9	BB	SP-SB-SA-SV-M-W	113XN0182000	
	<b>208-240</b>	50	75.6	65.69	36	2850	12	BB	SP-SB-SA-SV-M-W	113XN0181000	
	<b>208-240</b>	60	90	88.24	41	3300	11	BB	SP-SB-SA-SV-M-W	113XN0181000	
	<b>120x120x25</b>	<b>115</b>	50	57.6	13.73	32	1300	12	BB	SP-SB-SA-SV-M-W	98XC0182000
	<b>115</b>	60	75.6	20.59	35	1700	10	BB	SP-SB-SA-SV-M-W	98XC0182000	
	<b>208-240</b>	50	57.6	13.73	32	1300	14	BB	SP-SB-SA-SV-M-W	98XC0181000	
	<b>208-240</b>	60	75.6	20.59	35	1700	12	BB	SP-SB-SA-SV-M-W	98XC0181000	
	<b>115</b>	50	97.2	34.31	36	2100	10	BB	SP-SB-SA-SV-M-W	98XY0182000	
	<b>115</b>	60	111.6	32.35	38	2400	9	BB	SP-SB-SA-SV-M-W	98XC0182000	
	<b>208-240</b>	50	97.2	34.31	36	3100	12	BB	SP-SB-SA-SV-M-W	98XC0181000	
	<b>208-240</b>	60	111.6	32.35	38	2400	10	BB	SP-SB-SA-SV-M-W	98XC0181000	
	<b>115</b>	50	111.6	58.82	41	2550	13	BB	SP-SB-SA-SV-M-W	98XC0182000	
	<b>115</b>	60	133.2	49.02	44	3000	11	BB	SP-SB-SA-SV-M-W	98XC0182000	
	<b>208-240</b>	50	111.6	58.82	41	2550	15	BB	SP-SB-SA-SV-M-W	98XC0181000	
	<b>208-240</b>	60	133.2	49.02	44	3000	13	BB	SP-SB-SA-SV-M-W	98XC0181000	

**AL** = Alarm output

**MB** = Mixed bearings

**SP** = Speed sensor

**BB** = Ball bearings

**SA** = Salt spray protection

**SV** = Shock & vibration protected

**IP54** = IP54 dust & hosed protected

**SB** = Sleeve bearings




**V** = Variospeed

**M** = Marine protection

**SF** = Safety switch

**W** = Wide temperature range

# AC Axial Fans

Size (mm)	Voltage (V)	Frequency (Hz)	Airflow m <sup>3</sup> /h	Pressure Pa	Noise dBA	Speed /min	Input Power W	Bearings	Options	Part No.	
	<b>120x120x38</b>	<b>115</b>	50	84.6	18.63	27.5	1600	9	BB	SP-SB-SA-SV-M-W	141LV0182000
	<b>115</b>	60	93.6	18.63	28	1700	8	BB	SP-SB-SA-SV-M-W	141LV0182000	
	<b>208-240</b>	50	84.6	18.63	27.5	1600	10	BB	SP-SB-SA-SV-M-W	141LV0181000	
	<b>208-240</b>	60	93.6	18.63	28	1700	9	BB	SP-SB-SA-SV-M-W	141LV0181000	
	<b>115</b>	50	118.8	39.22	35	2200	10	BB	SP-SB-SA-SV-M-W	141LT0182000	
	<b>115</b>	60	126	35.29	38.5	2400	9	BB	SP-SB-SA-SV-M-W	141LT0182000	
	<b>208-240</b>	50	118.8	39.22	35	2200	12	BB	SP-SB-SA-SV-M-W	141LT0181000	
	<b>208-240</b>	60	126	35.29	38.5	2400	10	BB	SP-SB-SA-SV-M-W	141LT0181000	
	<b>115</b>	50	151.2	83.33	43	2800	13	BB	SP-SB-SA-SV-M-W	141LS0182000	
	<b>115</b>	60	172.8	93.14	47	3200	12	BB	SP-SB-SA-SV-M-W	141LS0182000	
	<b>208-240</b>	50	151.2	83.33	43	2800	14	BB	SP-SB-SA-SV-M-W	141LS0181000	
	<b>208-240</b>	60	172.8	93.14	47	3200	12	BB	SP-SB-SA-SV-M-W	141LS0181000	
	<b>115</b>	50	90	21.57	30	1600	12	BB	SP-SB-SA-SV-M-W	125XL0182000	
	<b>115</b>	60	97.2	23.53	32	1750	10	BB	SP-SB-SA-SV-M-W	125XL0182000	
	<b>208-240</b>	50	90	21.57	30	1600	12	BB	SP-SB-SA-SV-M-W	125XL0181000	
	<b>208-240</b>	60	97.2	23.53	32	1750	10	BB	SP-SB-SA-SV-M-W	125XL0181000	
	<b>115</b>	50	126	49.02	38	2200	16	BB	SP-SB-SA-SV-M-W	125LG0182000	
	<b>115</b>	60	144	53.92	40.5	3500	13	BB	SP-SB-SA-SV-M-W	125LG0182000	
	<b>208-240</b>	50	126	49.02	38	2200	18	BB	SP-SB-SA-SV-M-W	125LG0181000	
	<b>208-240</b>	60	144	53.92	40.5	2500	15	BB	SP-SB-SA-SV-M-W	125LG0181000	
<b>115</b>	50	158.4	93.14	44	2800	16	BB	SP-SB-SA-SV-M-W	125XR0182000		
<b>115</b>	60	190.8	102.94	48	3200	15	BB	SP-SB-SA-SV-M-W	125XR0182000		
<b>208-240</b>	50	158.4	93.14	44	2800	18	BB	SP-SB-SA-SV-M-W	125XR0181000		
<b>208-240</b>	60	190.8	102.94	48	3200	15	BB	SP-SB-SA-SV-M-W	125XR0181000		
	<b>172x150x38</b>	<b>115</b>	50	176.4	44.12	36	1400	11	BB	SP - SV - M - W	148VE0282000
	<b>115</b>	60	208.8	58.82	39	1650	11	BB	SP - SV - M - W	148VE0282000	
	<b>208-240</b>	50	176.4	44.12	36	1400	13	BB	SP - SV - M - W	148VE0281000	
	<b>208-240</b>	60	208.8	58.82	39	1650	14	BB	SP - SV - M - W	148VE0281000	
	<b>115</b>	50	291.6	71.57	50	2350	14	BB	SP - SV - M - W	148VP0282000	
	<b>115</b>	60	252	54.90	45.5	2100	18	BB	SP - SV - M - W	148VP0282000	
	<b>208-240</b>	50	295.2	81.37	49	2400	16	BB	SP - SV - M - W	148VP0281000	
	<b>208-240</b>	60	252	52.94	44	2000	22	BB	SP - SV - M - W	148VP0281000	
	<b>115</b>	50	360	183.33	54	2850	32	BB	SP - SV - M - W	148VK0282000	
	<b>115</b>	60	428.4	235.29	57	3300	32	BB	SP - SV - M - W	148VK0282000	
<b>208-240</b>	50	360	176.47	53	2800	35	BB	SP - SV - M - W	148VK0281000		
<b>208-240</b>	60	421.2	205.88	57	3200	33	BB	SP - SV - M - W	148VK0281000		
	<b>Ø172x50</b>	<b>115</b>	50	176.4	44.12	29.5	1400	11	BB	SP - SV - M - W	154DG0282000
	<b>115</b>	60	212.4	58.82	35	1700	11	BB	SP - SV - M - W	154DG0282000	
	<b>208-240</b>	50	176.4	44.12	29.5	1400	13	BB	SP - SV - M - W	154DG0281000	
	<b>208-240</b>	60	212.4	58.82	35	1700	14	BB	SP - SV - M - W	154DG0281000	
	<b>115</b>	50	313.2	63.73	47	2500	11	BB	SP - SV - M - W	154DE0282000	
	<b>115</b>	60	291.6	49.02	45	2300	15	BB	SP - SV - M - W	154DE0282000	
	<b>208-240</b>	50	313.2	63.73	47	2500	12	BB	SP - SV - M - W	154DE0281000	
	<b>208-240</b>	60	291.6	49.02	45	2300	16	BB	SP - SV - M - W	154DE0281000	
	<b>115</b>	50	360	176.47	50.5	2850	30	BB	SP - SV - M - W	154DA0282000	
	<b>115</b>	60	432	205.88	55.5	3400	29	BB	SP - SV - M - W	154DA0282000	
	<b>208-240</b>	50	360	176.47	50.5	2850	333	BB	SP - SV - M - W	154DA0281000	
	<b>208-240</b>	60	432	205.88	55.5	3400	30	BB	SP - SV - M - W	154DA0281000	

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**MB** = Mixed bearings

**SP** = Speed sensor

**BB** = Ball bearings

**SA** = Salt spray protection

**SV** = Shock & vibration protected

**IP54** = IP54 dust & hosed protected

**SB** = Sleeve bearings



**V** = Variospeed

**M** = Marine protection

**SF** = Safety switch

**W** = Wide temperature range

# AC High Performance Fans

Size (mm)	Voltage (V)	Frequency (Hz)	Airflow m <sup>3</sup> /h	Pressure Pa	Noise dBA	Speed /min	Input Power W	Bearings	Options	Part No.
Ø 130x64	220	50	129.6	63.73	45	2900	23	BB	SA - SV - M - W	80CE0161C13
		60	158.4	88.24	49	3400	17	BB	SA - SV - M - W	80CE0161C13
Ø 180x87	115	50	270	156.86	57	2850	20	BB	SF - SA - SV - M - W	85CB016DC13
		60	316.8	205.88	57	3300	23	BB	SF - SA - SV - M - W	85CB016DC13
	115	50	270	156.86	57	2850	20	BB	SF - SA - SV - M - W	85CB016DC13
		60	316.8	205.88	57	3300	23	BB	SF - SA - SV - M - W	85CB016DC13
		50	399.6	156.86	56	2800	35	BB	SF - SA - SV - M - W	86CB016DC13
		60	457.2	215.69	60	3200	41	BB	SF - SA - SV - M - W	86CB016DC13
		50	399.6	156.86	56	2800	35	BB	SF - SA - SV - M - W	86CB016DC13
		60	457.2	215.69	60	3200	41	BB	SF - SA - SV - M - W	86CB016DC13
180x155x87	220 - 380	50	270	156.86	57	2850	20	BB	SF - SA - SV - M - W	85CB026DC13
		60	316.8	205.88	57	3300	23	BB	SF - SA - SV - M - W	85CB026DC13
		50	399.6	156.86	56	2800	35	BB	SF - SA - SV - M - W	86CB026DC13
		60	457.2	215.69	60	3200	41	BB	SF - SA - SV - M - W	86CB026DC13
Ø 180x180	220 - 380	50	453.6	274.51	63	2850	54	BB	SF - SA - SV - M - W	86CD116DC13
		60	532.8	568.63	66	3250	71	BB	SF - SA - SV - M - W	86CD116DC13
Ø 239x85	220 - 380	50	990	568.63	72	2750	100	BB	SF - SA - SV - M - W	61GS016DC13
		60	1144.8	794.12	74	3300	160	BB	SF - SA - SV - M - W	61GS016DC13
		50	756	637.25	69	2900	74	BB	SF - SA - SV - M - W	61GP016DC13
		60	900	823.53	73	3400	86	BB	SF - SA - SV - M - W	61GP016DC13
Ø 239x181	220 - 380	50	990	568.63	72	2750	100	BB	SF - SA - SV - M - W	61GR116DC13
		60	1144.8	794.12	74	3300	160	BB	SF - SA - SV - M - W	61GR116DC13
	220 - 380	50	756	637.25	69	2900	74	BB	SF - SA - SV - M - W	62GR116DC13
		60	900	823.53	73	3400	86	BB	SF - SA - SV - M - W	62GR116DC14
		50	741.6	22.55	45	1000	28	BB	SA - SV - M - W	75GF026AC11
Ø 290x76	110 - 220	60	990	62.75	54	1350	41	BB	SA - SV - M - W	75GK026AC11
		50	1044	73.53	55	1400	38	BB	SA - SV - M - W	75GZ026DC13
		60	1188	87.25	58	1600	34	BB	SA - SV - M - W	75GZ026DC13
Ø 350x158	220 - 380	50	1476	147.06	61	1450	64	BB	SF - SA - SV - M - W	60CF016DC13
		60	1728	196.08	65	1700	83	BB	SF - SA - SV - M - W	60CF016DC13
		50	1764	588.24	73	2850	136	BB	SF - SA - SV - M - W	97CH016DC13
		60	2052	715.69	76	3300	198	BB	SF - SA - SV - M - W	97CH016DC13
		50	2808	500.00	79	2700	406	BB	SF - SA - SV - M - W	60CH016DC13
Ø 350x254	220 - 380	50	1850.4	1205.88	81	2850	306	BB	SA - SV - M - W	97CJ116DC13
		60	2160	1411.76	84	3300	344	BB	SA - SV - M - W	97CJ116DC13
Ø 350x274	220 - 380	50	3240	1000.00	87	2800	640	BB	SA - SV - M - W	60CV216DC13

**AL** = Alarm output

**BB** = Ball bearings

**IP54** = IP54 dust & hosed protected

**M** = Marine protection

**MB** = Mixed bearings

**SA** = Salt spray protection

**SB** = Sleeve bearings

**SF** = Safety switch

**SP** = Speed sensor

**SV** = Shock & vibration protected

**V** = Variospeed

**W** = Wide temperature range



# AC Centrifugal fans

Size (mm)	Voltage (V)	Frequency (Hz)	Airflow m <sup>3</sup> /h	Pressure Pa	Noise dBA	Speed /min	Input Power W	Bearings	Options	Part No.
121x139x123	220 - 380	50	43.2	151.96	48	2900	9	BB	SF - SA - SV - M - W	582CAX016DC13
	220 - 380	60	52.2	215.69	51	3400	9	BB	SF - SA - SV - M - W	582CAX016DC13
126x128x41	220	50	48.6	93.14	49	2550	21	BB	SA - SV - SB	583CBA0091000
	220	60	47.52	132.35	51	2500	20	BB	SA - SV - SB	583CBA0091000
144x156x209	220 - 380	50	234	225.49	63	2900	50	BB	SF - SA - SV - M - W	607COV016DC13
	220 - 380	60	259.2	323.53	66	3300	72	BB	SF - SA - SV - M - W	607COV016DC13
148x152x197	220 - 380	50	266.4	215.69	64	2800	60	BB	SF - SA - SV - M - W	608COV016DC13
	220 - 380	60	306	313.73	67	3200	87	BB	SF - SA - SV - M - W	608COV016DC13
162x175x114	220 - 380	50	72	294.12	63	2850	15	BB	SF - SA - SV - M - W	620CAZ016DC13
	220 - 380	60	82.8	421.57	60	3300	19	BB	SF - SA - SV - M - W	620CAZ016DC13
162x175x145	220 - 380	50	126	323.53	57	2800	25	BB	SF - SA - SV - M - W	621CAU016DC13
	220 - 380	60	144	450.98	61	3200	30	BB	SF - SA - SV - M - W	621CAU016DC13
165x181x190	220 - 380	50	284.4	313.73	65	2800	60	BB	SF - SA - SV - M - W	609COV016DC13
	220 - 380	60	320.4	441.18	68	3200	88	BB	SF - SA - SV - M - W	609COV016DC13
200x222x225	220 - 380	50	468	460.78	65	2850	156	BB	SF - SA - SV - M - W	625COS016DC13
	220 - 380	60	558	656.86	68	3300	223	BB	SF - SA - SV - M - W	625COS016DC13
200x222x331	220 - 380	50	1008	460.78	67	2850	250	BB	SA - SV - M - W	625CHK216DC13
	220 - 380	60	1152	647.06	71	3300	350	BB	SA - SV - M - W	625CHK216DC13
213x239x209	220 - 380	50	360	598.04	68	2850	150	BB	SF - SA - SV - M - W	661CHL016DC13
	220 - 380	60	414	843.14	70.5	3250	225	BB	SF - SA - SV - M - W	661CHL016DC13
268x300x254	220 - 380	50	540	833.33	72	2900	180	BB	SF - SA - SV - M - W	694CHM016DC13
	220 - 380	60	630	1176.47	75	3300	265	BB	SF - SA - SV - M - W	694CHM016DC13
269x318x118	220 - 380	50	136.8	627.45	68	2850	67	BB	SF - SA - SV - M - W	692CCP016DC13
	220 - 380	60	158.4	882.35	73	3350	88	BB	SF - SA - SV - M - W	692CCP016DC13
302x334x298	220 - 380	50	1332	1323.53	79	2850	1000	BB	SF - SA - SV - M - W	711CHB016DC13
	220 - 380	60	1512	1862.75	82	3200	1550	BB	SF - SA - SV - M - W	711CHB016DC13



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**MB** = Mixed bearings

**SA** = Salt spray protection

**SB** = Sleeve bearings

**SF** = Safety switch

**SP** = Speed sensor

**SV** = Shock & vibration protected

**V** = Variospeed

**W** = Wide temperature range



# 400Hz Axial Fans

Size (mm)	Voltage (V)	Frequency (Hz)	Airflow m <sup>3</sup> /h	Pressure Pa	Noise dBA	Speed /min	Input Power W	Bearings	Options	Part No.
Ø 67x38	115	400	46.8	372.55	51	11500	15	BB	SA - SV - M - W	106ZA0562C13
	115	400	97.2	1284.31	72	22700	42	BB	SA - SV - M - W	106ZB0562C13
80x80x50	115	400	108	705.88	65	11400	19	BB	SA - SV - M - W	103TY0562C13
	115	400	216	2745.10	80	23000	110	BB	SA - SV - M - W	103TX0562C13
88x88x25	115	400	81	64.71	43	3300	14	BB	SA - SV - M - W	110VU0162001
92x92x25	115	400	118.8	245.10	55	5500	14	BB	SP - SA - SV - M - W	99XV0162001
92x92x38	115	400	162	225.49	58	5500	19	BB	SA - SV - M - W	113XP0162001
Ø 94x70	200	400	151.2	892.16	67	11500	55	BB	SA - SV - M - W	139BM0460005
113x113x88	115	400	486	813.73	76	9700	153	BB	SA - SV - M - W	80TN0562C13
120x120x25	115	400	144	127.45	52	3500	13	BB	SA - SV - M - W	98XE0162001
	115	400	237.6	343.14	65	5500	30	BB	SA - SV - M - W	98XJ0162001
120x120x38	115	400	216	166.67	50	3600	15	BB	SP - SA - SV - M - W	125XT0162301
	115	400	338.4	392.16	60	5700	32	BB	SP - SA - SV - M - W	125XS0162001
172x150x38	115	400	370.8	235.29	62	3750	39	BB	SA - SV - M - W	121VY0162001
Ø 180x104	115	400	1080	1078.43	80	7400	400	BB	SP - SA - SV - M - W	86ME0162C13
Ø 239x109	115	400	1116	460.78	68	3500	126	BB	SP - SA - SV - M - W	61BE0162C13
Ø 320x214	115	400	3492	1441.18	85	5500	1250	BB	SA - SV - M - W	112BC0162C13



**AL** = Alarm output

**BB** = Ball bearings

**IP54** = IP54 dust & hosed protected

**M** = Marine protection

**MB** = Mixed bearings

**SA** = Salt spray protection

**SB** = Sleeve bearings

**SF** = Safety switch

**SP** = Speed sensor

**SV** = Shock & vibration protected

**V** = Variospeed

**W** = Wide temperature range



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