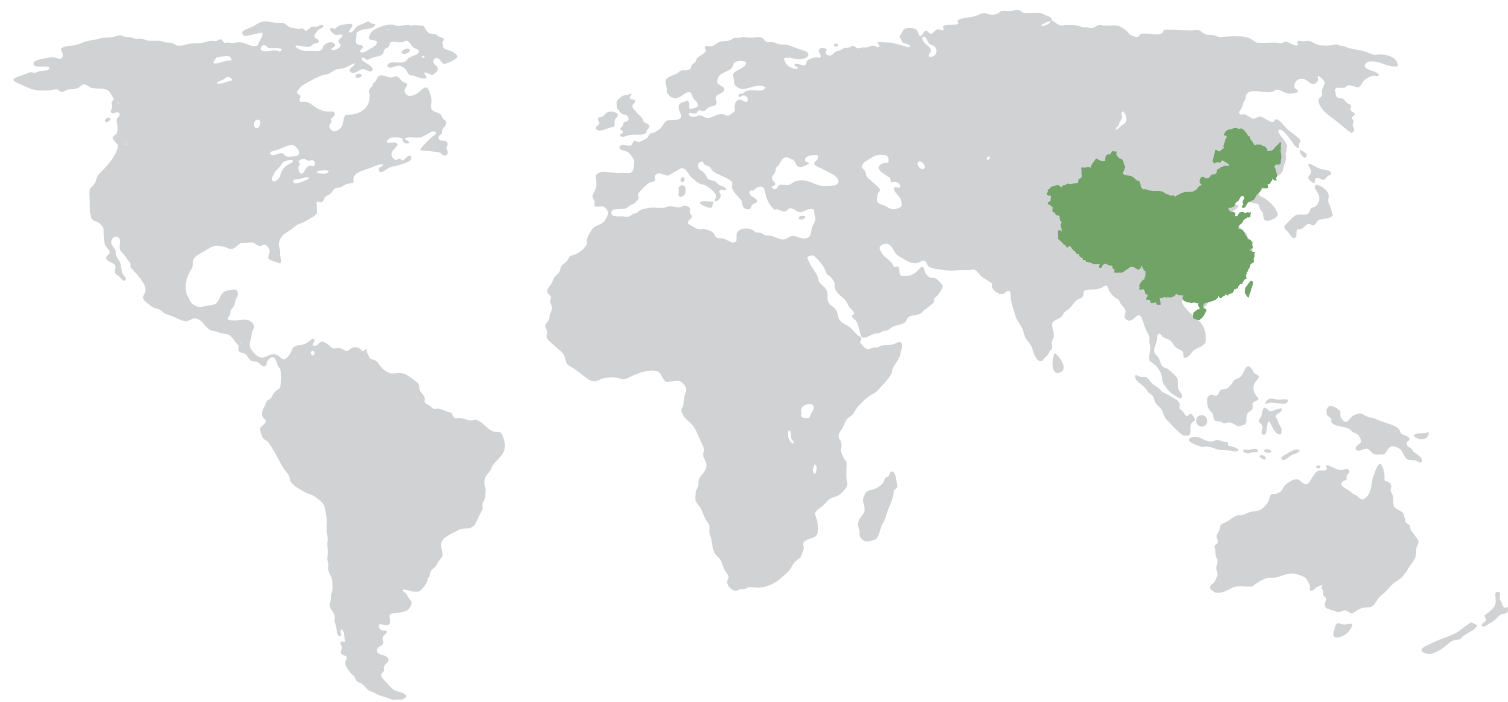




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PBM MOTOR AND FAN(SUZHOU) CO.,LTD



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About us



Company Profile

PBM is a China mainland EC(Electronically Commutated) brushless motor manufacturing and technology consulting company offering an extensive range of EC motors, fans and intelligent ventilation solutions for air-moving precisely and constantly with maintenance-free throughout the life cycle of products in last decades.

R&D and Technical Support

Our R&D and technical support team commits to combine interactively external motor technology, integrated electronic control circuit and aerodynamic design of fan impeller that satisfied customers' requirements in different applications by innovative fan solutions, with leading experiment equipment, meters, tools in laboratory for motor reliability and fan air performance testing. We are pursuing extremely compact brushless permanent magnet synchronous external rotor motor to drive various impeller types and sizes: diagonal axial, backward and forward curved centrifugal, radial, single inlet and dual inlet blower, tangential, cross flow, from minimum 30mm to 560mm diameter with airflow maximum to 12,000CMH cubic meter per hour (equal to approx. 7,000CFM cubic feet per minutes). Maximum motor input power goes to 1.5KW (equal to 2 horsepower) at rotor diameter 138mm.

Production and Quality Control

Economical efficient supply chain guarantees our manufacturing team and quality management team could constantly offer stable products within promised competitive lead time. We continuously invest on semi-automatic or automatic motor and fan assembly lines, equipment, fixtures and jigs to enhance our cost advantage production capability. Not only adopted in ISO9001 Quality Management System ISO 14000 Environment Management System and ISO 45001 Occupational Health and Safety Management system, but also adopted in a long-term Eco-friendly and People-oriented sustainable development of company for last 10 years.

Marketing and Sales

Hundreds of worldwide ventilation, refrigeration, air purification, home appliance, companies from more than fifty countries are adopting PBM EC green-tech motorized fans in their product units and systems that were protecting natural environment and indoor environment of our home to be sustainable green and clean. Our agent and distributor network and online service team covered popular EC fan markets to ensure prompt technical support.

Vision and Mission

Focus on EC fan only and protect our world with intelligent energy efficient motor and fan solutions are our goal in an attempt to make tomorrow a greener & healthier world.

EC Fans Technical Features Overview

Intelligent EC Fan Technology Introduction

PBM series EC (Electronically Commuted) Fans combine interactively external motor technology, integrated electronic control circuit and aerodynamic design of fan impeller that satisfied customers' requirements in different applications and industries by innovative air-moving solutions.

We are pursuing Ultra-low Energy Consumption fans by extremely compact brushless permanent magnet synchronous external rotor motor to drive various of aerodynamic optimized impeller and scroll-housing types and sizes: diagonal axial, backward and forward curved centrifugal, radial, single inlet and dual inlet blower, tangential, cross flow.

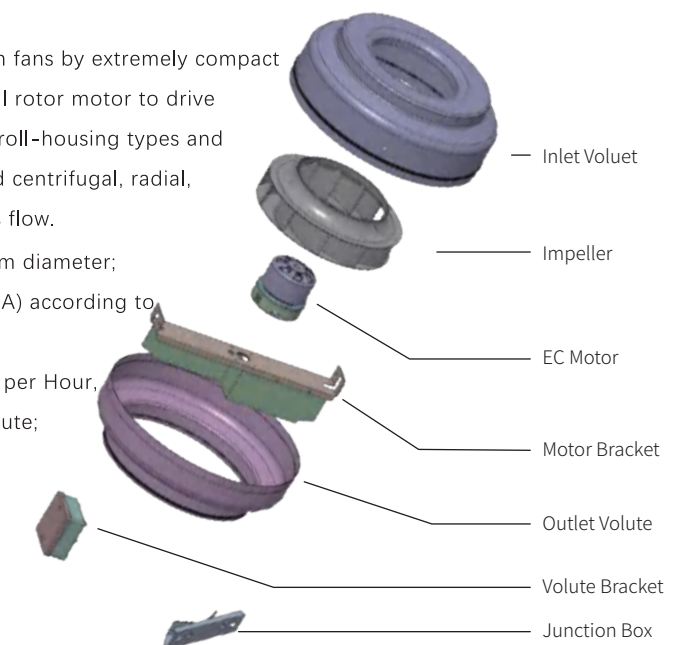
Impeller Sizes: From minimum 30mm to 500mm diameter;

Sound Level: From 31dB(A) to maximum 93dB(A) according to different rotation speed;

Air Flow: Maximum to 8,700CMH, Cubic Meter per Hour, equal to approx. 5,120CFM , Cubic Feet per Minute;

Air Pressure: Maxim 1,600Pa, equal to 163.5mm H₂O and to 6.42 inH₂O;

Power: Maximum motor input power goes to 3.1KW (equal to 4.2hp, horsepower) at motor diameter 138mm.



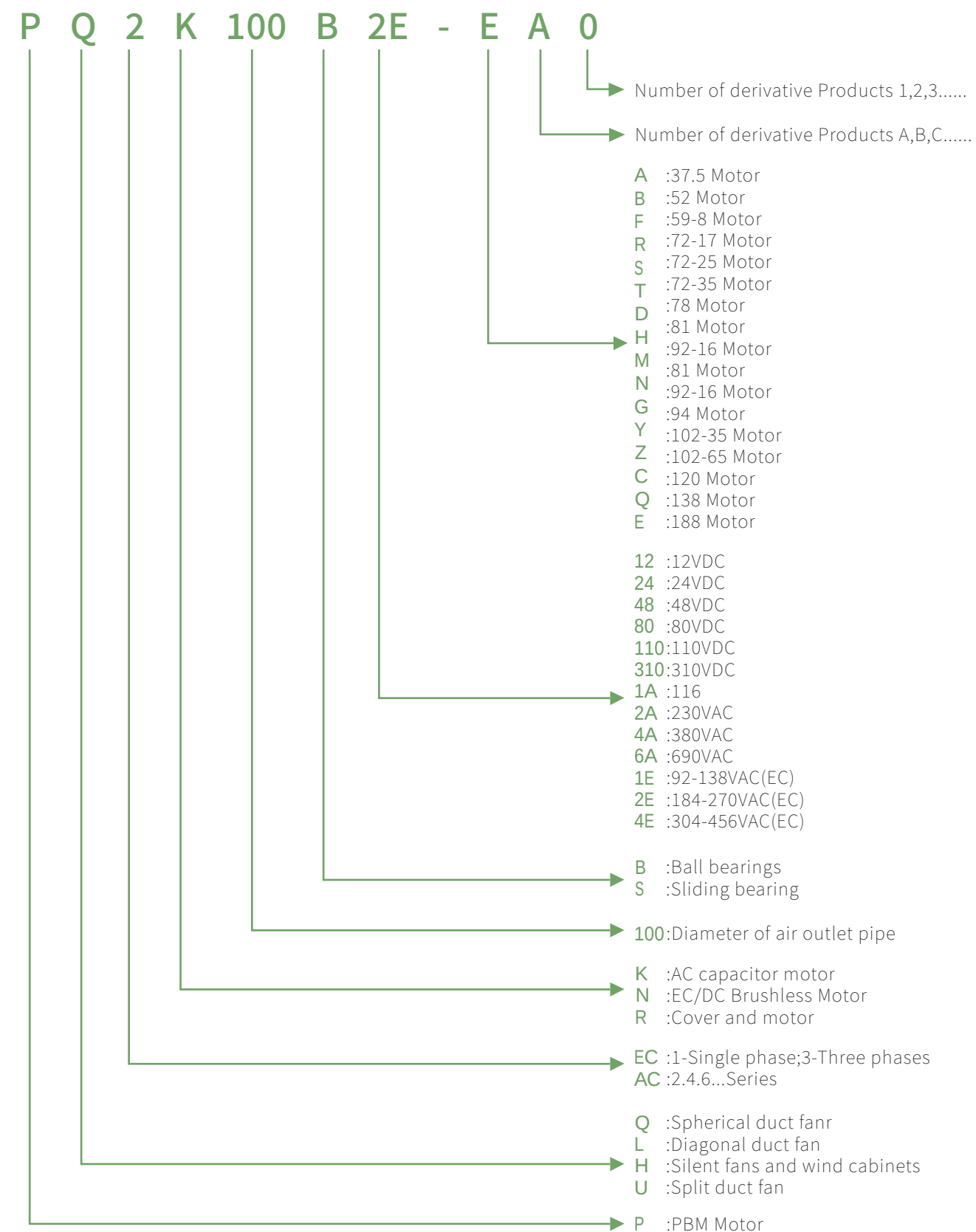
Eco-friendly EC Motor Technology Introduction



EC=Electronically Commutated
EC brushless permanent magnet synchronous external rotor motor compact with integrated electronic controller built-in for fan applications.

- Variable speed setting by 0~10V DC or PWM signal input;
- AC(1~ or 3~phase) public power grid supply connects to motor directly without transformer, voltage stabilizer with silicon rectifier; no surge current by soft-start and PFC circuit integrated;
- Motor efficiency goes up to Maximum 91% for energy-saving and emissions-reducing;
- Low noise by sine wave 3-core brushless commutation motor design with oblique magnetization;
- Always rotation in the correct direction;
- Operating at either 50Hz and 60Hz; 184~270 VAC 1~;
- Operating at a wide voltage range; 304~456 VAC 3~;
- Operating temperature rise is much cooler in electric motors for longer lifespan.

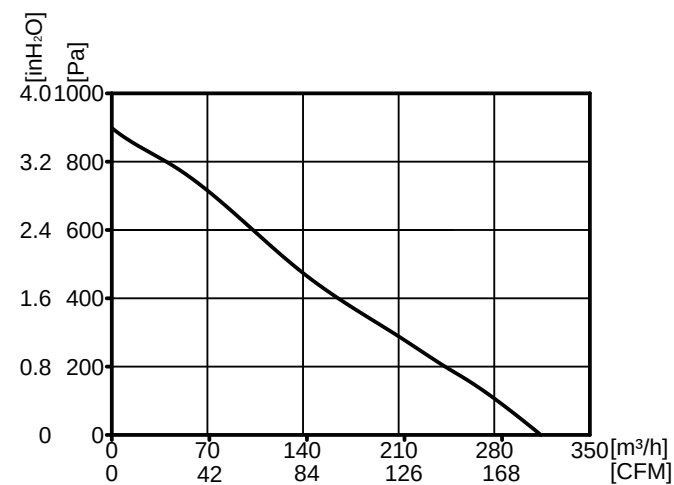
Part Number System



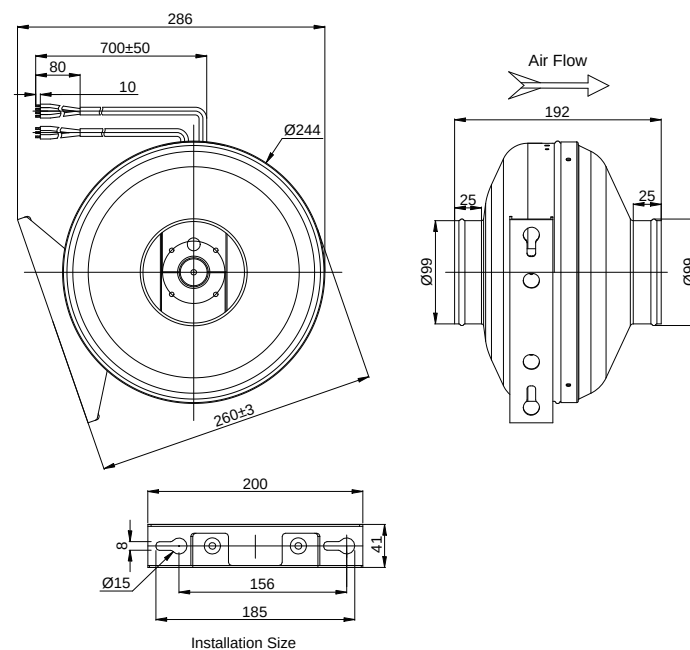
EC-AC Series



EC Circular Duct Fan Single Inlet Ø100mm

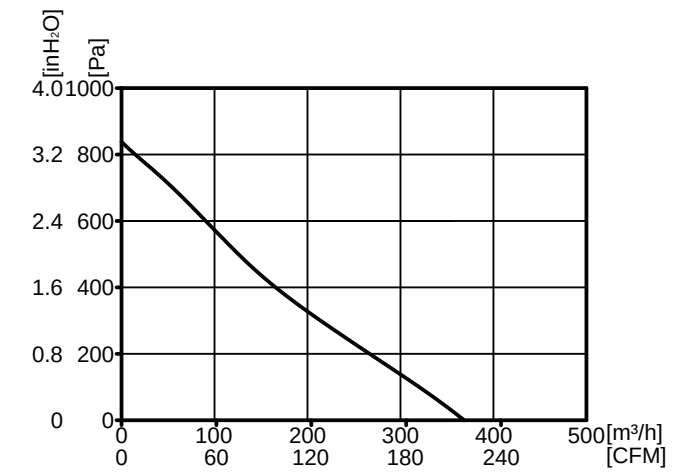


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
EC Brushless External rotor motor	0-10VDC/PWM	IP55	B	-25°C~+60°C	3.1KG	E1

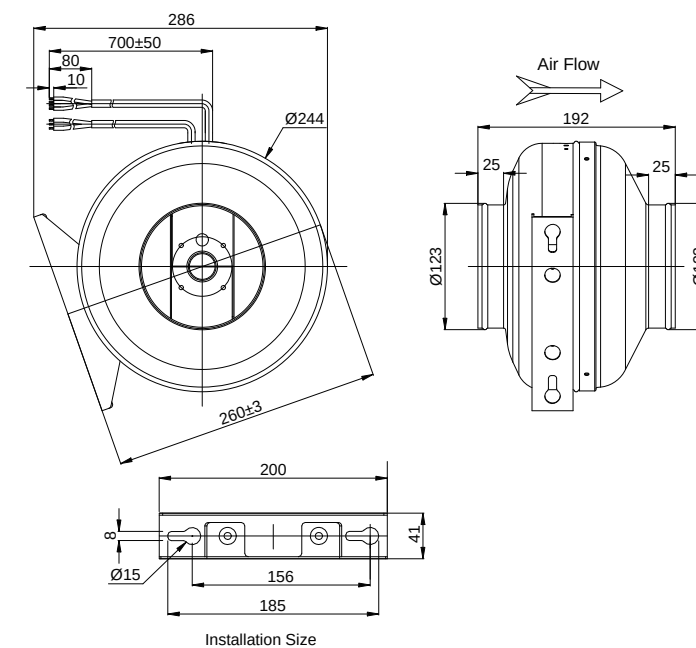


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M ³ /H	Pa	W	A	RPM	dB(A)
PQ3N100B2E-TA0	BALL	230	50	315	904	85	0.65	3300	71.7
PQ3N100B2E-TA0	BALL	230	60	315	904	85	0.65	3300	71.7

EC Circular Duct Fan Single Inlet Ø125mm

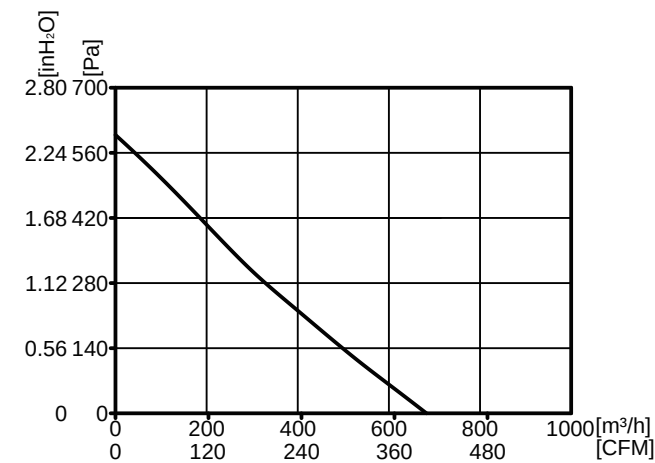


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
EC Brushless External rotor motor	0-10VDC/PWM	IP55	B	-25°C~+60°C	3.2KG	E1

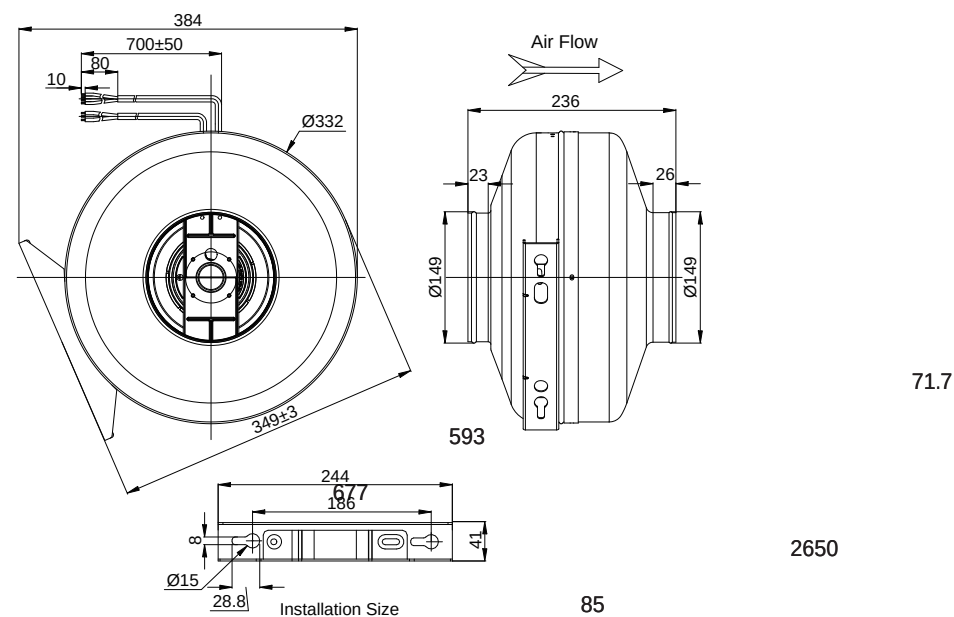


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M ³ /H	Pa	W	A	RPM	dB(A)
PQ3N125B2E-TA0	BALL	230	50	375	819	85	0.65	3400	72.2
PQ3N125B2E-TA0	BALL	230	60	375	819	85	0.65	3400	72.2

EC Cricular Duct Fan Single Inlet Ø150mm

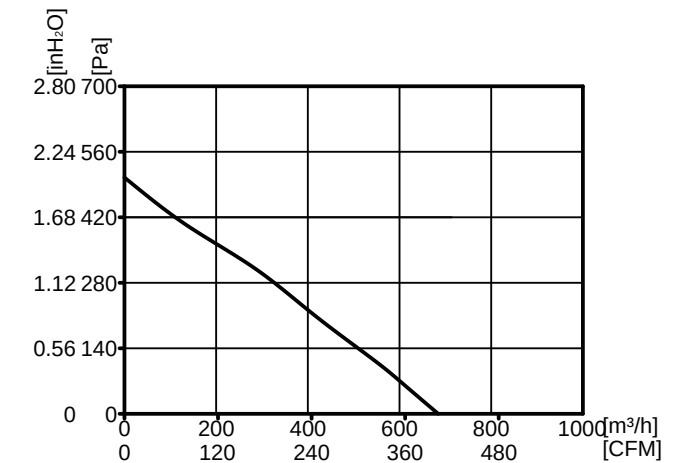


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
EC Brushless External rotor motor	0-10VDC/PWM	IP55	B	-25°C~+60°C	3.4KG	E1

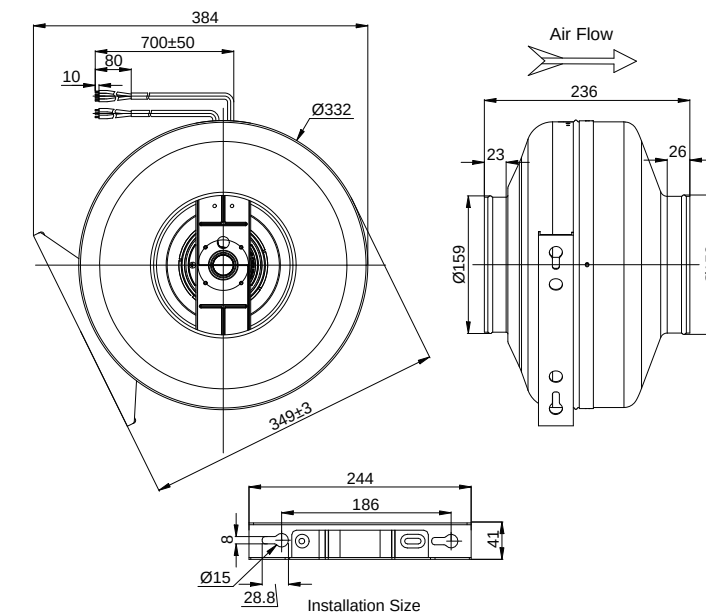


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
PQ3N150B2E-TA0	B/S	VAC	Hz	M³/H	Pa	W	A	RPM	dB(A)
	BALL		60				0.65		

EC Cricular Duct Fan Single Inlet Ø160mm

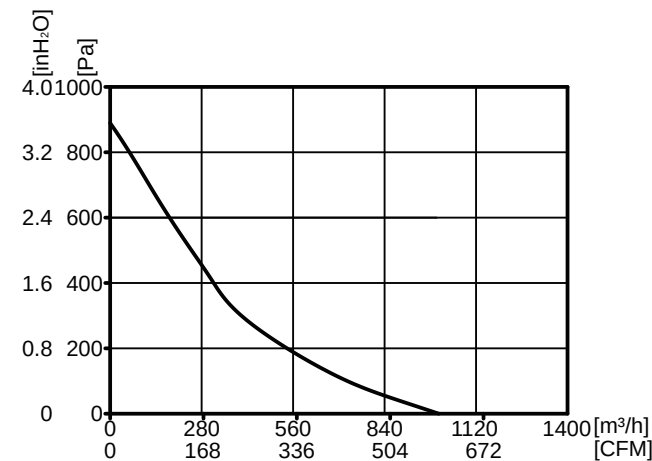


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
EC Brushless External rotor motor	0-10VDC/PWM	IP55	B	-25°C~+60°C	4.2KG	E1

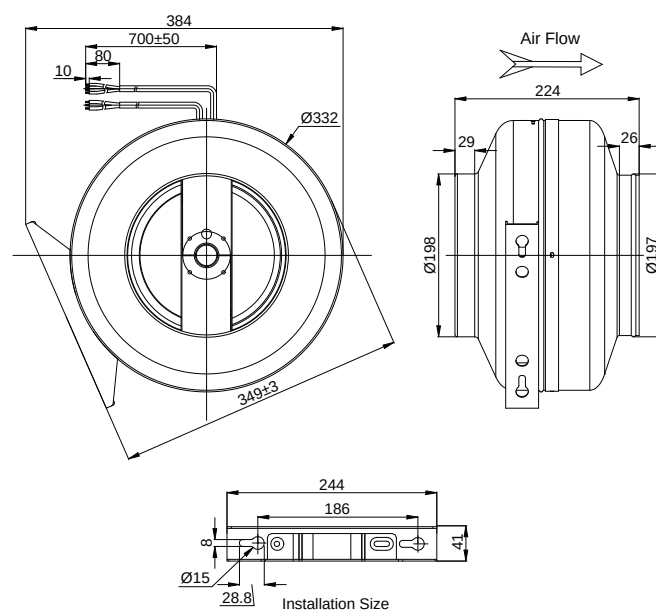


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M³/H	Pa	W	A	RPM	dB(A)
PQ3N160B2E-TA0	BALL	230	50	667	505	85	0.65	2750	72.7
PQ3N160B2E-TA0	BALL	230	60	667	505	85	0.65	2750	72.7

EC Circular Duct Fan Single Inlet Ø200mm

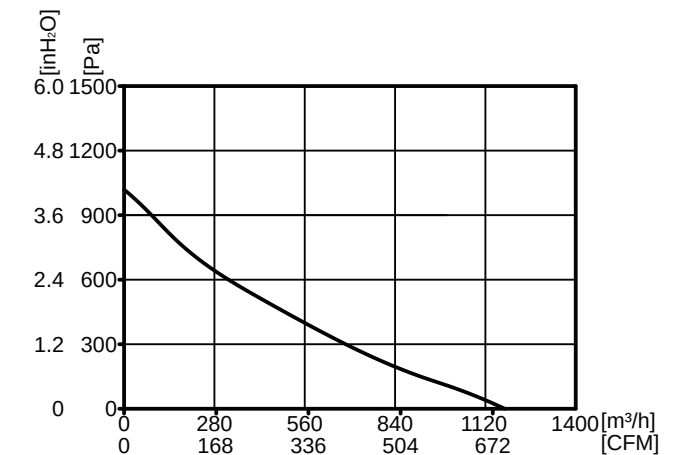


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
EC Brushless External rotor motor	0-10VDC/PWM	IP55	B	-25°C~+60°C	5.3KG	E1

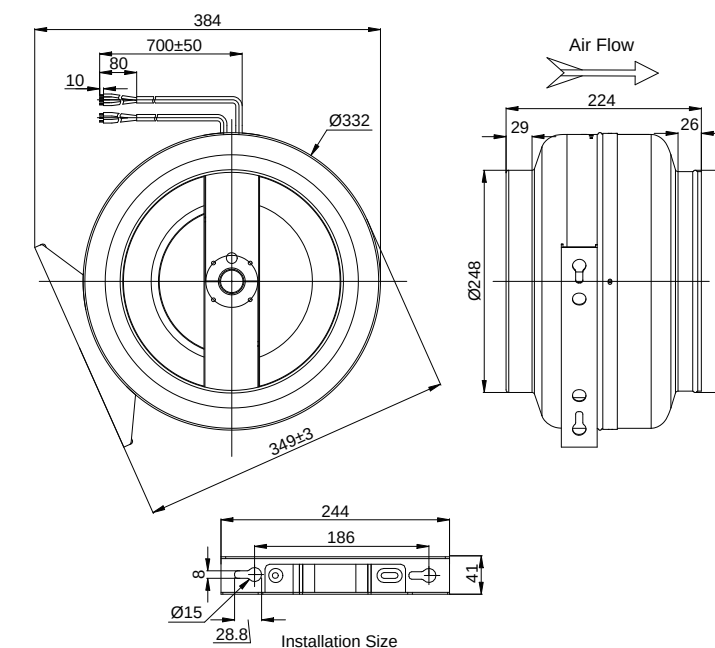


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M³/H	Pa	W	A	RPM	dB(A)
PQ3N200B2E-TA0	BALL	230	50	1021	882	170	1.1	2700	80
PQ3N200B2E-TA0	BALL	230	60	1021	882	170	1.1	2700	80

EC Circular Duct Fan Single Inlet Ø250mm

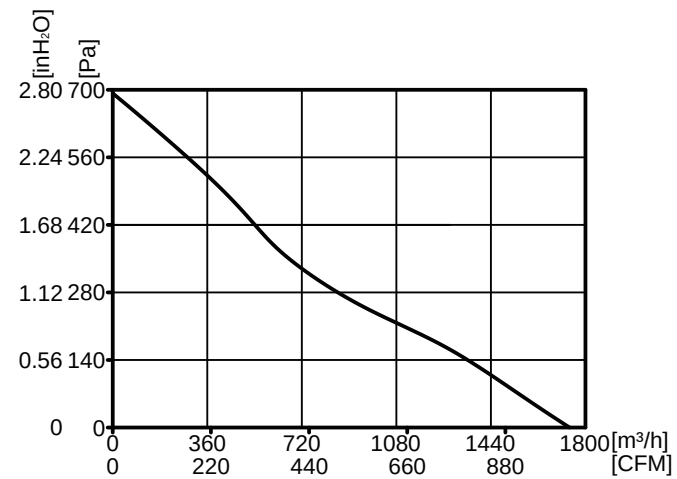


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
EC Brushless External rotor motor	0-10VDC/PWM	IP55	B	-25°C~+60°C	5.2KG	E1

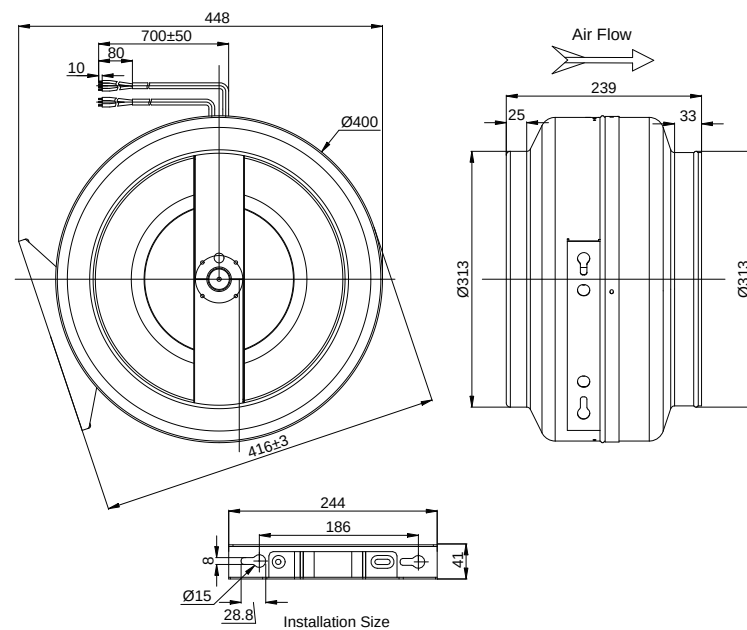


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M³/H	Pa	W	A	RPM	dB(A)
PQ3N250B2E-TA0	BALL	230	50	1195	1002	170	1.1	2700	78
PQ3N250B2E-TA0	BALL	230	60	1195	1002	170	1.1	2700	78

EC Circular Duct Fan Single Inlet Ø315mm

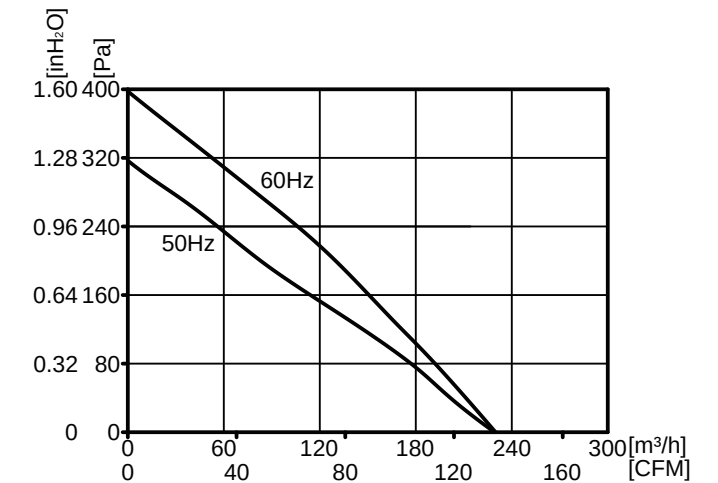


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
EC Brushless External rotor motor	0-10VDC/PWM	IP55	B	-25°C~+60°C	6.5KG	E2

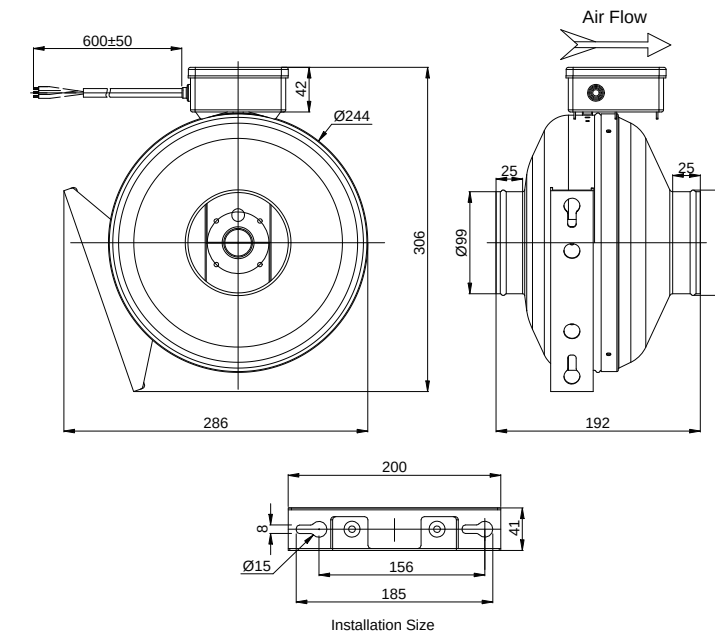


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M³/H	Pa	W	A	RPM	dB(A)
PQ3N315B2E-NA0	BALL	230	50	1748	698	220	1.4	2700	81.3
PQ3N315B2E-NA0	BALL	230	60	1748	698	220	1.4	2700	81.3

AC Circular Duct Fan Single Inlet Ø100mm

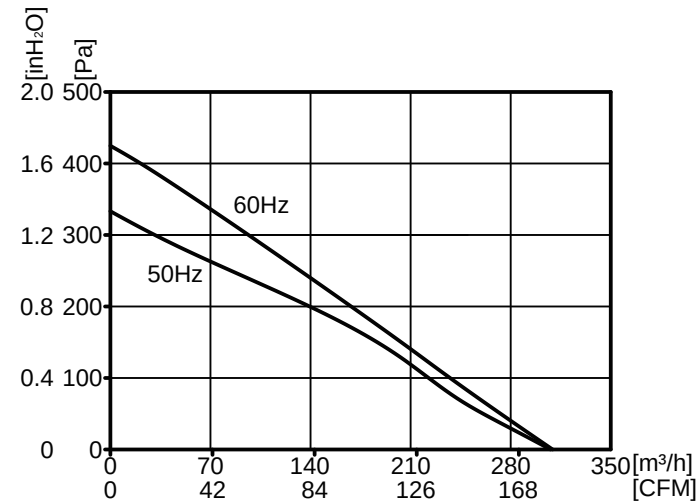


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC EXTERNAL ROTOR MOTOR	CUSTOMIZABLE MULTIPLE SPEEDS	IP54	F	-25°C~+60°C	2.9KG	A1

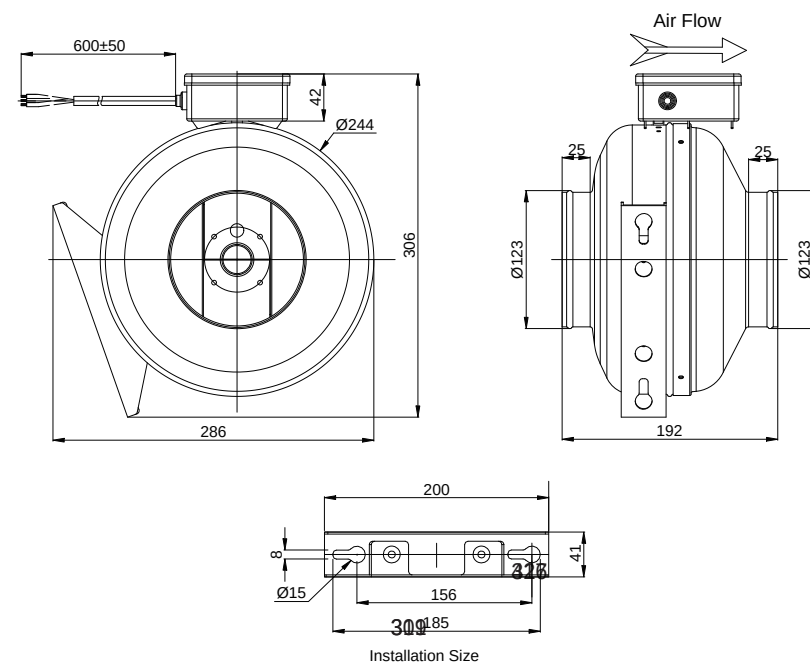


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M³/H	Pa	W	A	RPM	dB(A)
PQ2K100B2A-NA0	BALL	230	50	232.6	319	62	0.275	2460	58
PQ2K100B2A-NA0	BALL	230	60	233	397	81.5	0.36	2500	60.1

AC Circular Duct Fan Single Inlet Ø125mm



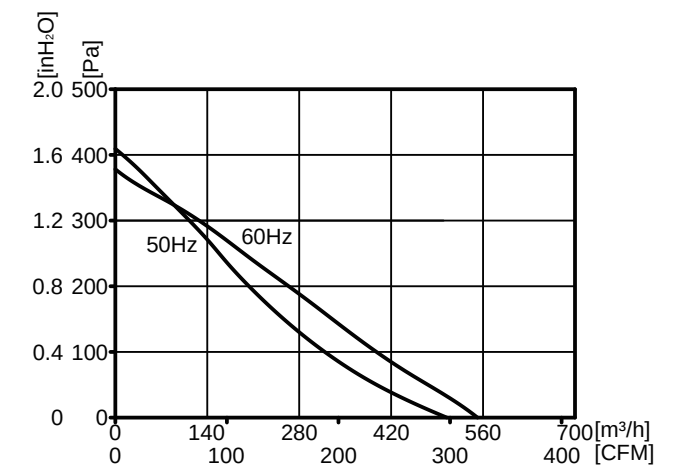
Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC EXTERNAL ROTOR MOTOR	CUSTOMIZABLE MULTIPLE SPEEDS	IP54	F	-25°C~+60°C	3KG	A1



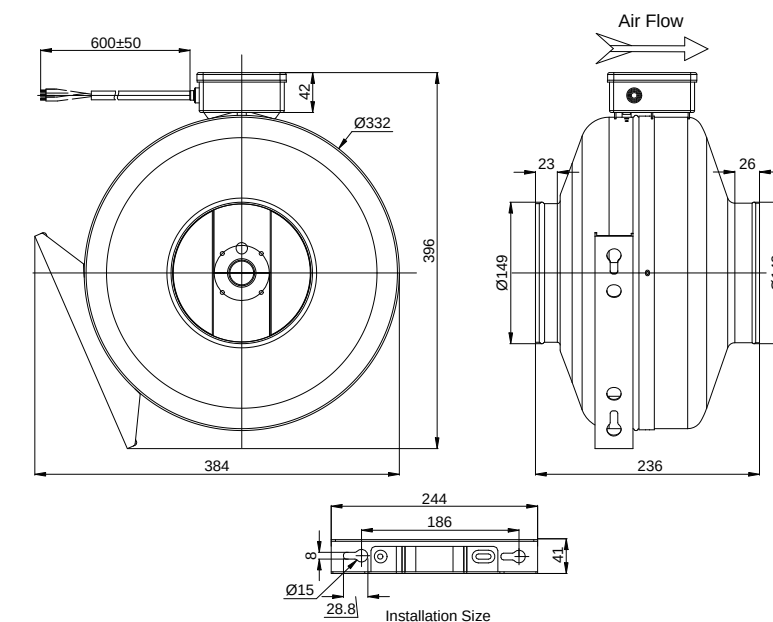
59.8

Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
PQ2K125B2A-NA0	B/S	VAC	Hz	M³/H	Pa	W	A	RPM	dB(A)
	BALL		60			62.2	0.276	2888	

AC Circular Duct Fan Single Inlet Ø150mm

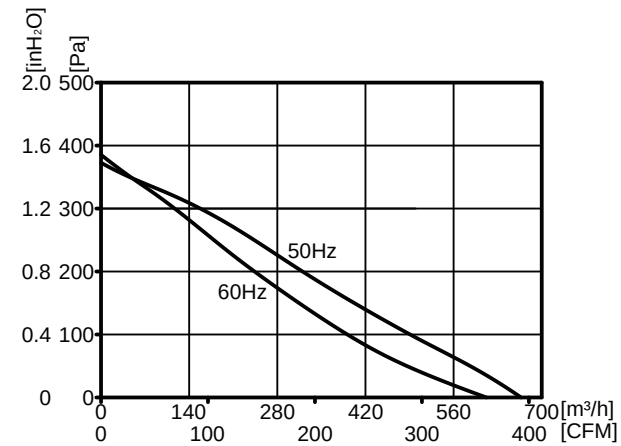


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC EXTERNAL ROTOR MOTOR	CUSTOMIZABLE MULTIPLE SPEEDS	IP54	F	-25°C~+60°C	3.2KG	A1

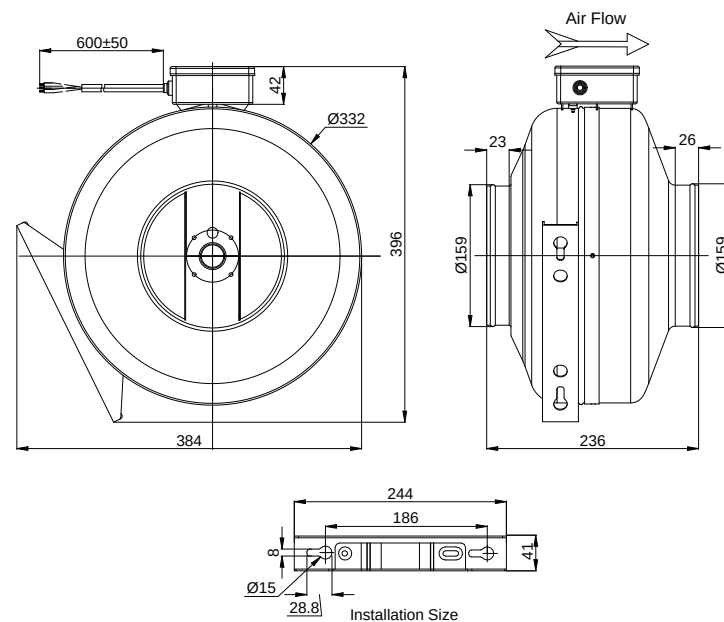


Model	System	Voltage	Frequency	Flow	Pressure	Power	Current	Speed	Level
Part No.	B/S	VAC	Hz	M³/H	Pa	W	A	RPM	dB(A)
PQ2K150B2A-NA0	BALL	230	50	508	389	96	0.4	2216	65
PQ2K150B2A-NA0	BALL	230	60	557	405	118	0.52	2100	64

AC Circular Duct Fan Single Inlet Ø160mm

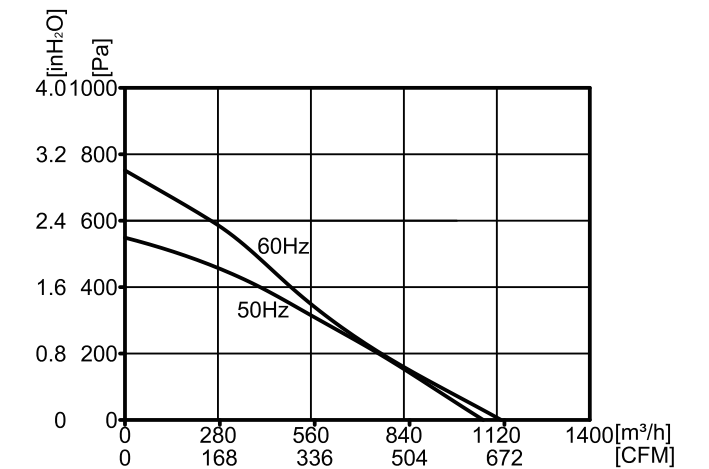


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC EXTERNAL ROTOR MOTOR	CUSTOMIZABLE MULTIPLE SPEEDS	IP54	F	-25°C~+60°C	3.9KG	A1

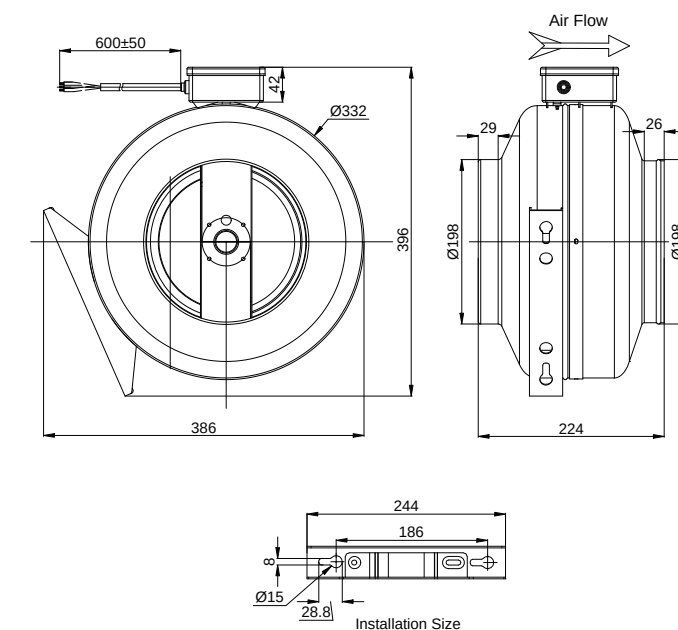


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M³/H	Pa	W	A	RPM	dB(A)
PQ2K160B2A-NA0	BALL	230	50	667	382	95	0.42	2286	67
PQ2K160B2A-NA0	BALL	230	60	613	391	120	0.54	2200	66.4

AC Circular Duct Fan Single Inlet Ø200mm

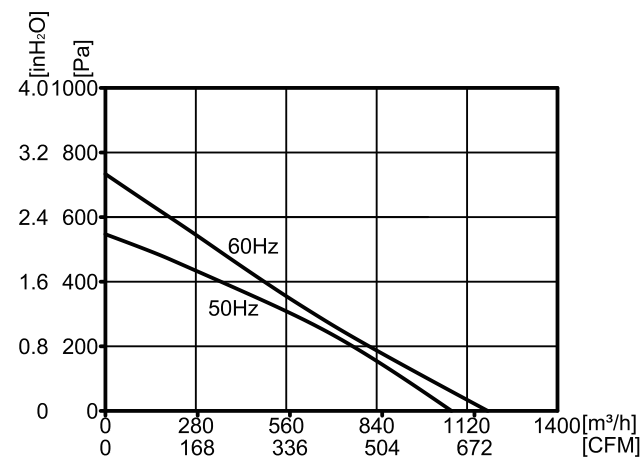


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC EXTERNAL ROTOR MOTOR	CUSTOMIZABLE MULTIPLE SPEEDS	IP54	F	-25°C~+60°C	5KG	A1

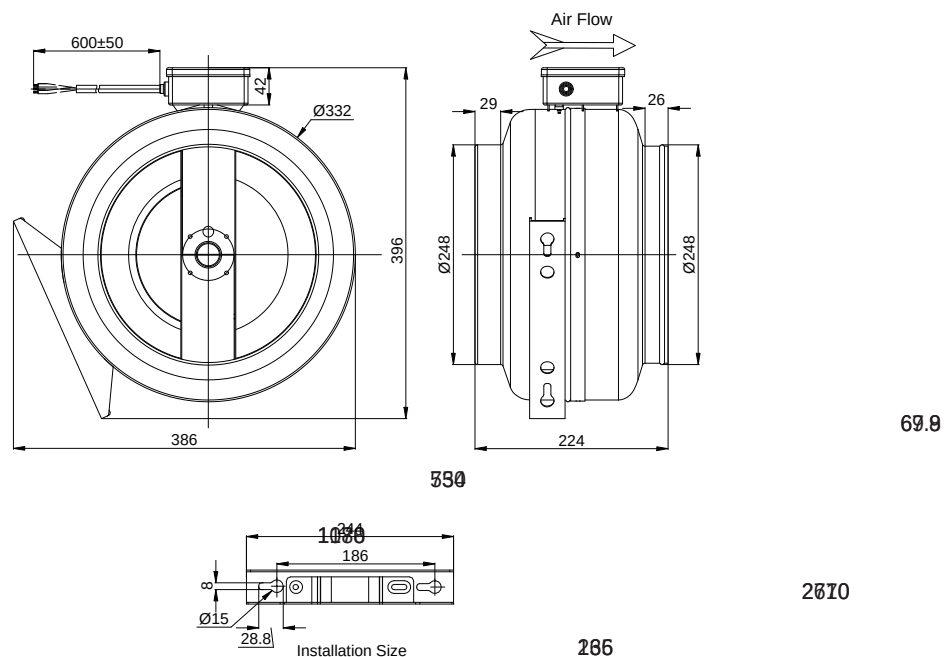


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M³/H	Pa	W	A	RPM	dB(A)
PQ2K200B2A-NA0	BALL	230	50	1098	563	175	0.76	2550	72.2
PQ2K200B2A-NA0	BALL	230	60	1130	756	242	1.06	2700	75.6

AC Circular Duct Fan Single Inlet Ø250mm

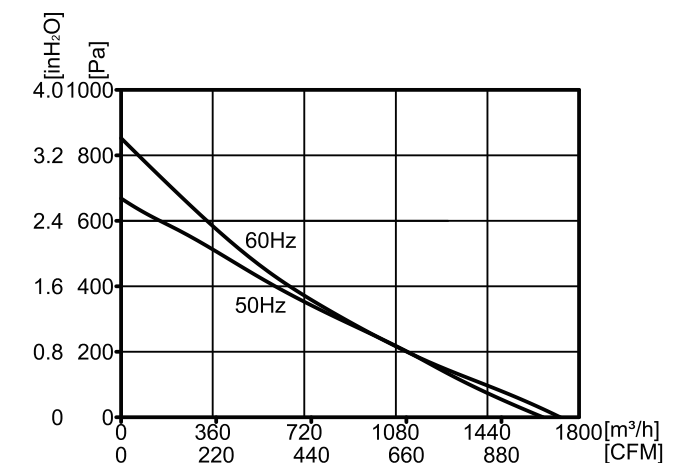


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC EXTERNAL ROTOR MOTOR	CUSTOMIZABLE MULTIPLE SPEEDS	IP54	F	-25°C~+60°C	4.7KG	A1

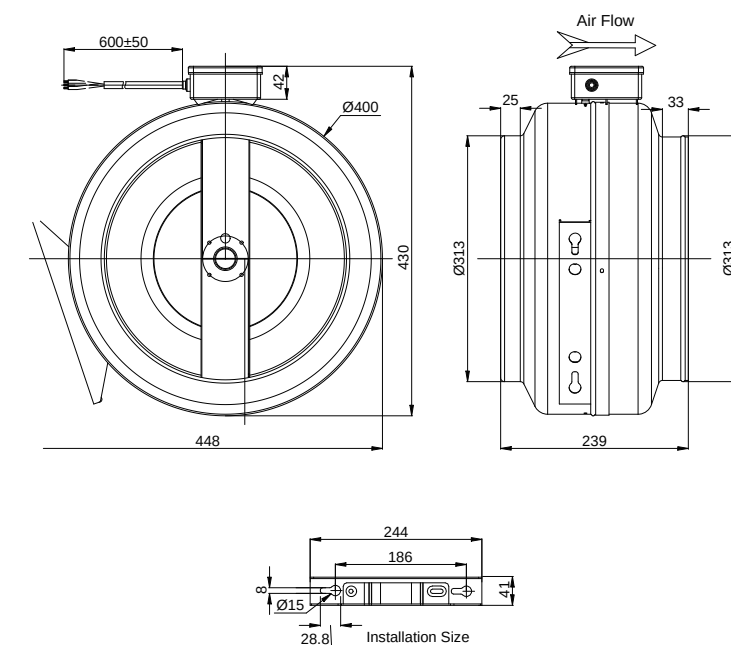


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
PQ2K250B2A-NA0	B/S	VAC	Hz	M³/H	Pa	W	A	RPM	dB(A)
	BALL		60						

AC Circular Duct Fan Single Inlet Ø315mm

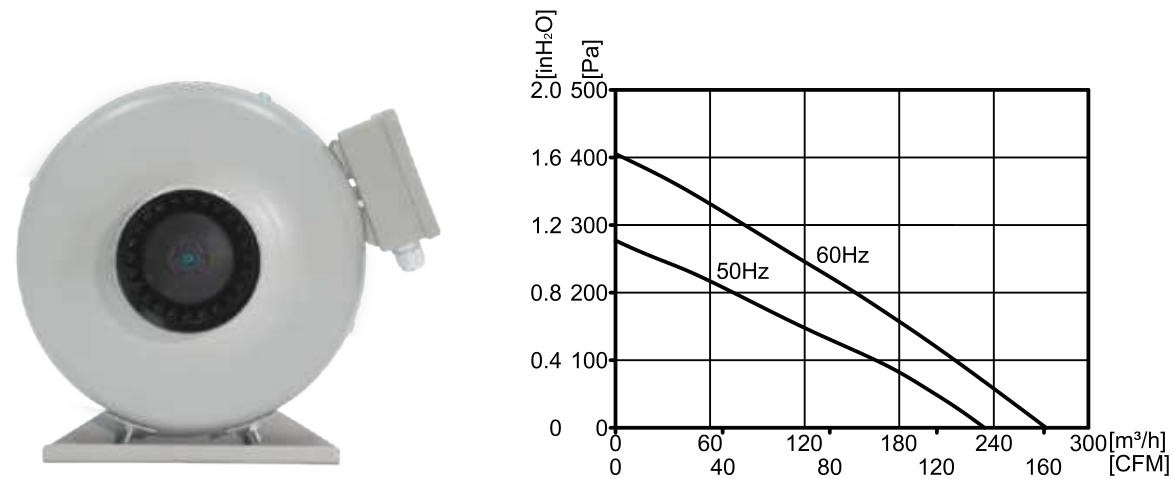


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC EXTERNAL ROTOR MOTOR	CUSTOMIZABLE MULTIPLE SPEEDS	IP54	F	-25°C~+60°C	6.2KG	A1

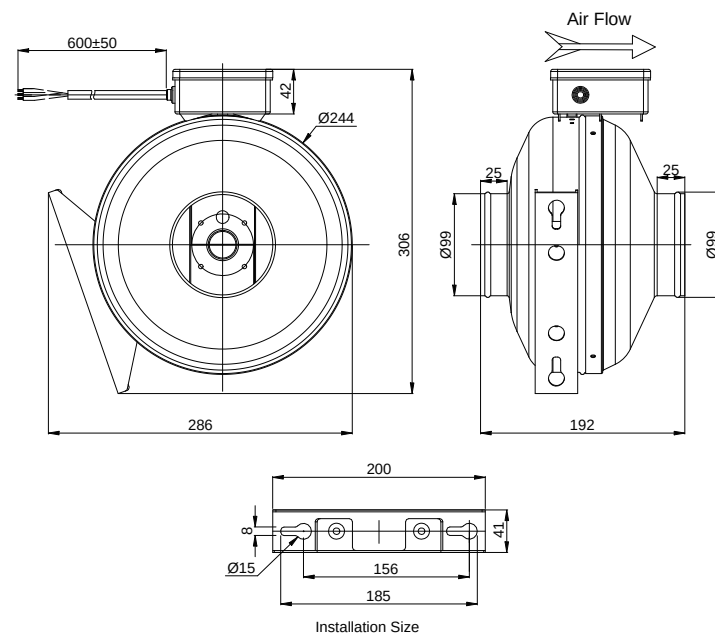


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M³/H	Pa	W	A	RPM	dB(A)
PQ2K315B2A-NA0	BALL	230	50	1665	671	220	0.98	2525	65
PQ2K315B2A-NA0	BALL	230	60	1792	856	310	1.3	2620	64

AC Circular Duct Fan Single Inlet Ø100mm

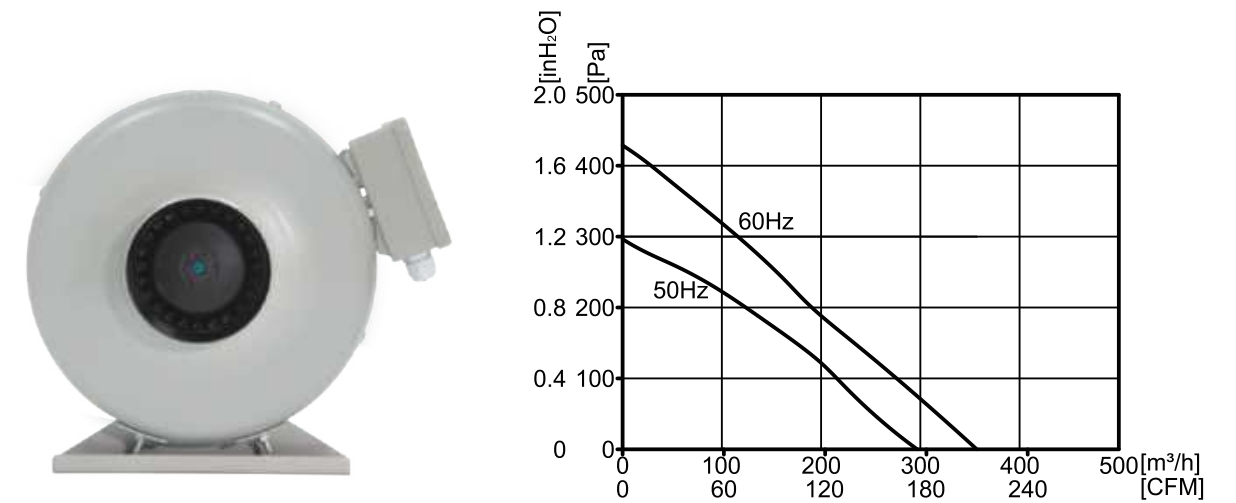


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC EXTERNAL ROTOR MOTOR	CUSTOMIZABLE MULTIPLE SPEEDS	IP54	F	-25°C~+60°C	2.9KG	A1

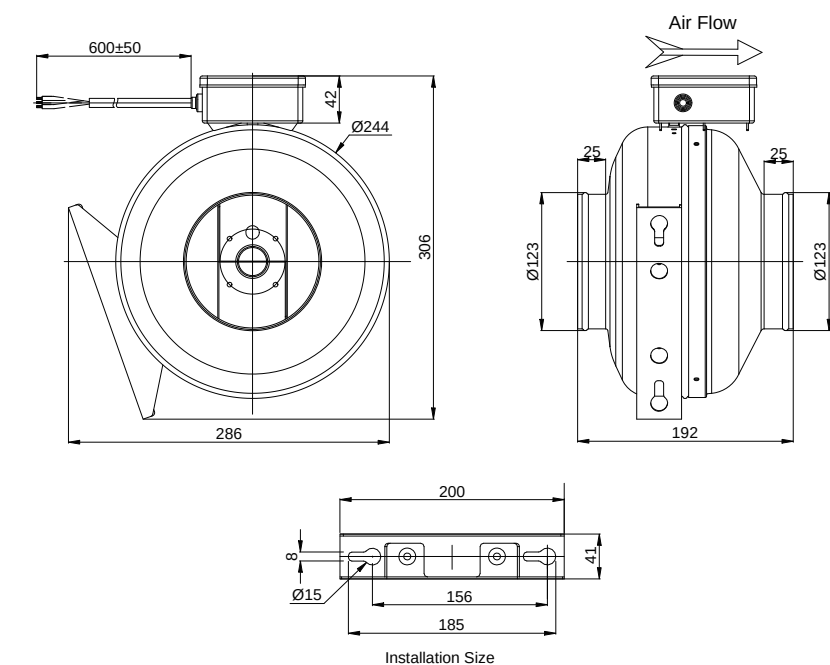


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M ³ /H	Pa	W	A	RPM	dB(A)
PQ2K100B2A-NB0	BALL	230	50	235	285	88	0.41	2764	62
PQ2K100B2A-NB0	BALL	230	60	273	403	104	0.46	3196	65

AC Circular Duct Fan Single Inlet Ø125mm

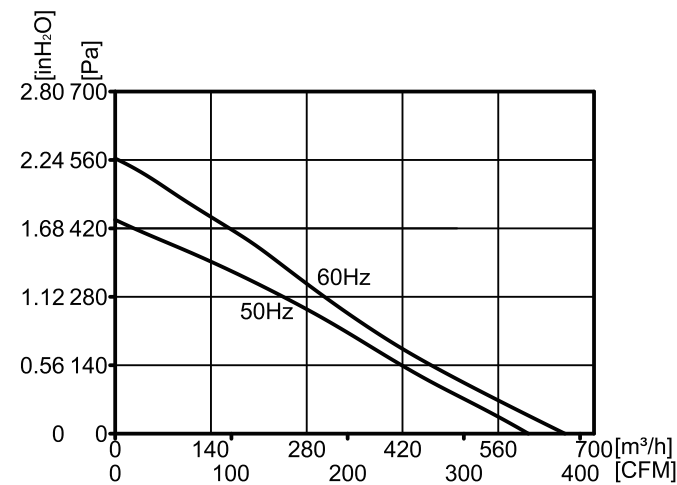


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC EXTERNAL ROTOR MOTOR	CUSTOMIZABLE MULTIPLE SPEEDS	IP54	F	-25°C~+60°C	3KG	A1

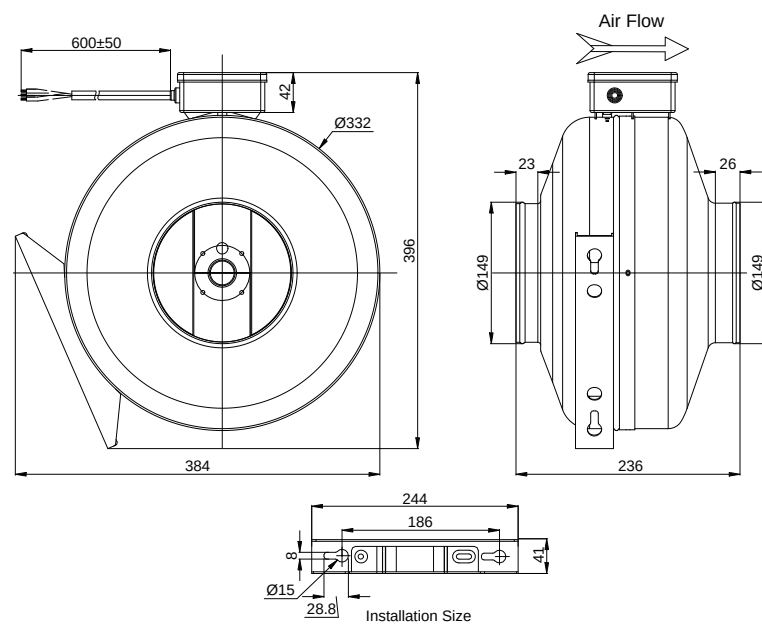


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M ³ /H	Pa	W	A	RPM	dB(A)
PQ2K125B2A-NB0	BALL	230	50	298	298	83.1	0.39	2747	63.4
PQ2K125B2A-NB0	BALL	230	60	362	423	97	0.43	3179	67.2

AC Circular Duct Fan Single Inlet Ø150mm

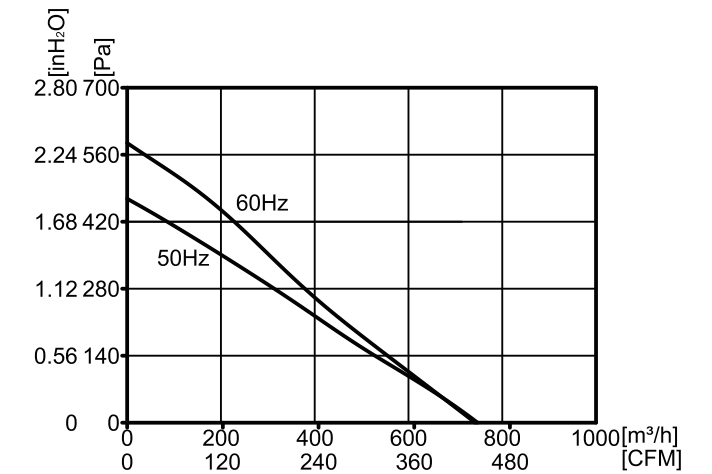


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC EXTERNAL ROTOR MOTOR	CUSTOMIZABLE MULTIPLE SPEEDS	IP54	F	-25°C~+60°C	3.2KG	A1

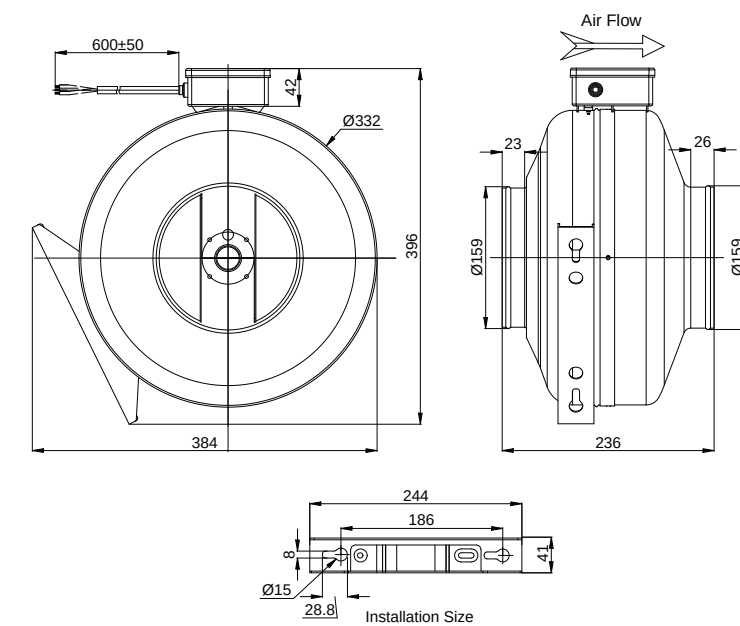


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M ³ /H	Pa	W	A	RPM	dB(A)
PQ2K150B2A-NB0	BALL	230	50	609	440	101.2	0.44	2522	67
PQ2K150B2A-NB0	BALL	230	60	655	563	128.1	0.56	2677	68

AC Circular Duct Fan Single Inlet Ø160mm

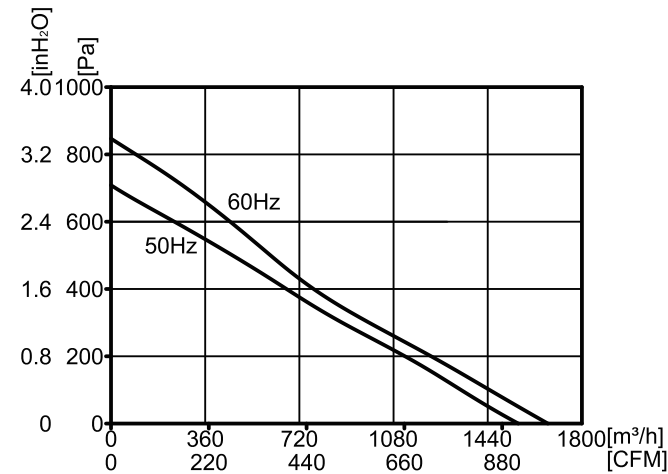


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC EXTERNAL ROTOR MOTOR	CUSTOMIZABLE MULTIPLE SPEEDS	IP54	F	-25°C~+60°C	3.9KG	A1

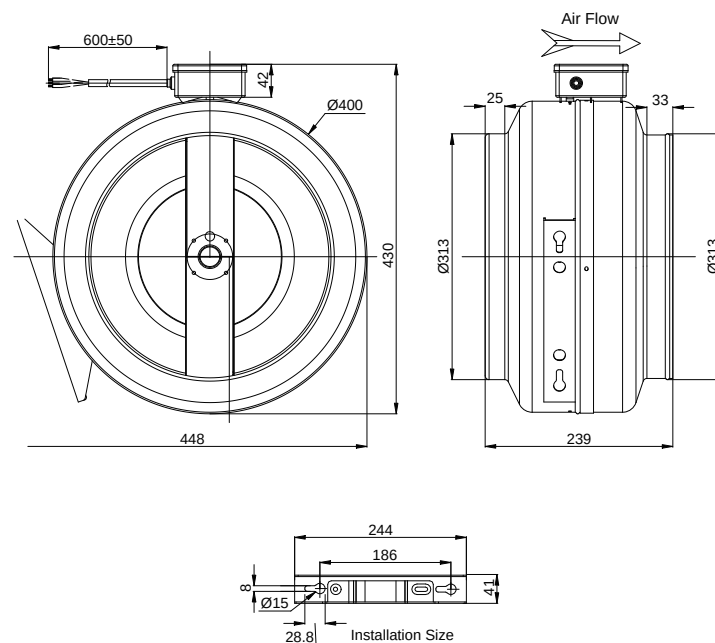


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M ³ /H	Pa	W	A	RPM	dB(A)
PQ2K160B2A-NB0	BALL	230	50	609	440	101.2	0.44	2522	67
PQ2K160B2A-NB0	BALL	230	60	655	563	128.1	0.56	2677	68

AC Circular Duct Fan Single Inlet Ø315mm

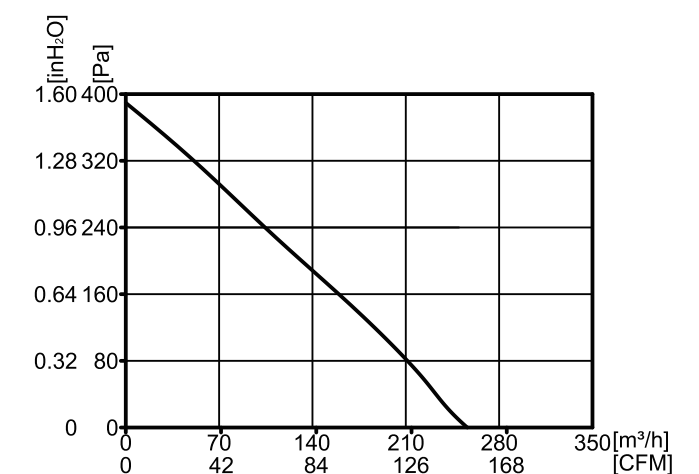


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC EXTERNAL ROTOR MOTOR	CUSTOMIZABLE MULTIPLE SPEEDS	IP54	F	-25°C~+60°C	6.2KG	A1

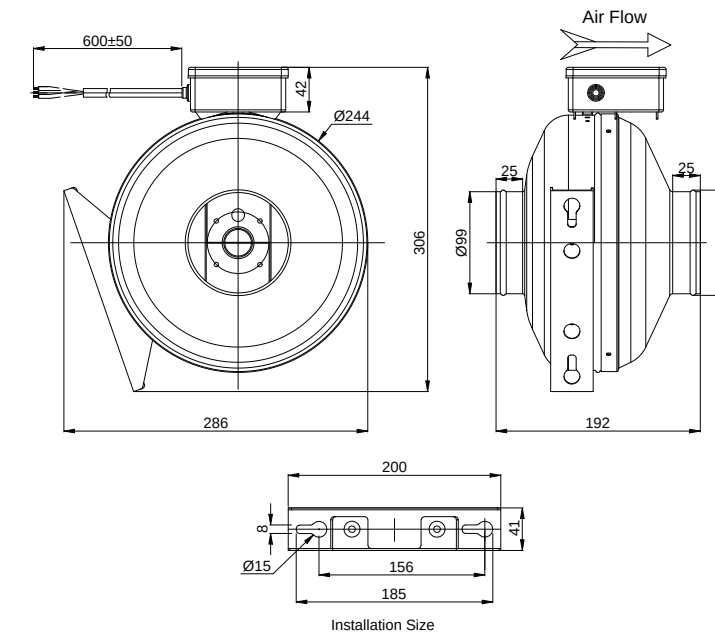


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M ³ /H	Pa	W	A	RPM	dB(A)
PQ2K315B2A-NB0	BALL	230	50	609	440	101.2	0.44	2522	67
PQ2K315B2A-NB0	BALL	230	60	655	563	128.1	0.56	2677	68

AC Circular Duct Fan Single Inlet Ø100mm

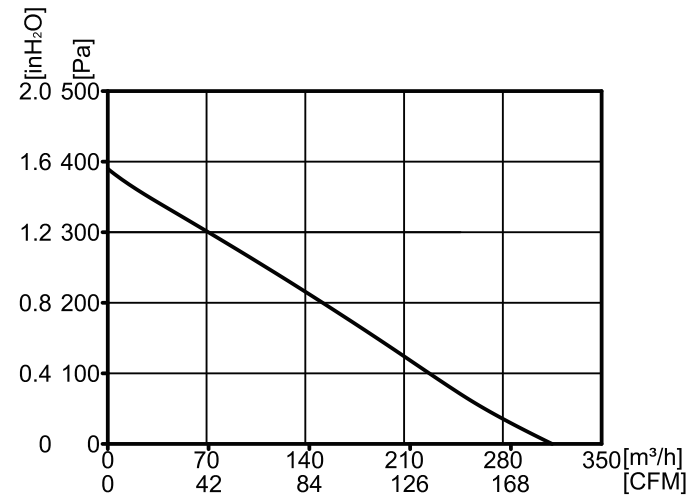


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC EXTERNAL ROTOR MOTOR	CUSTOMIZABLE MULTIPLE SPEEDS	IP54	F	-25°C~+60°C	2.9KG	A1

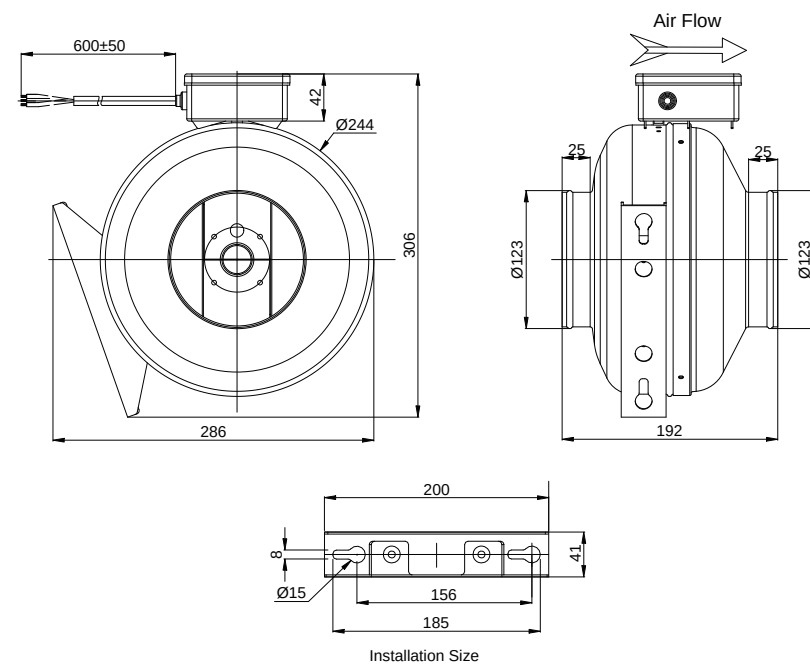


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M ³ /H	Pa	W	A	RPM	dB(A)
PQ2K100B1A-NA0	BALL	115	60	259	382	83.2	0.73	3008	64

AC Circular Duct Fan Single Inlet Ø125mm

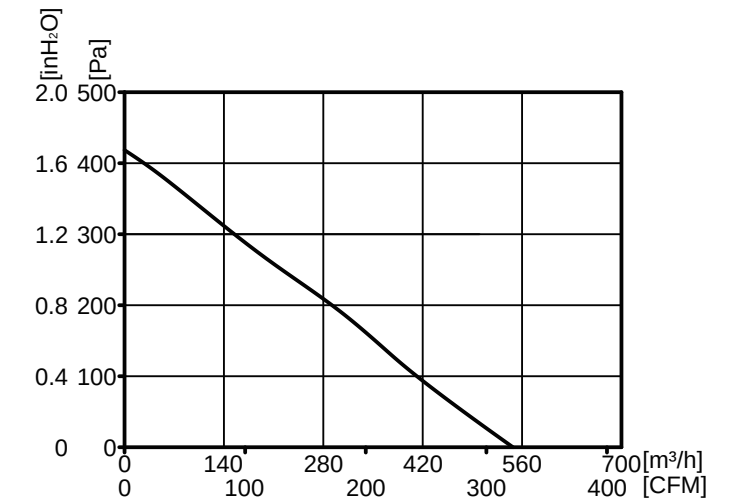


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC EXTERNAL ROTOR MOTOR	ON/OFF	IP54	F	-25°C ~ +60°C	3KG	A1

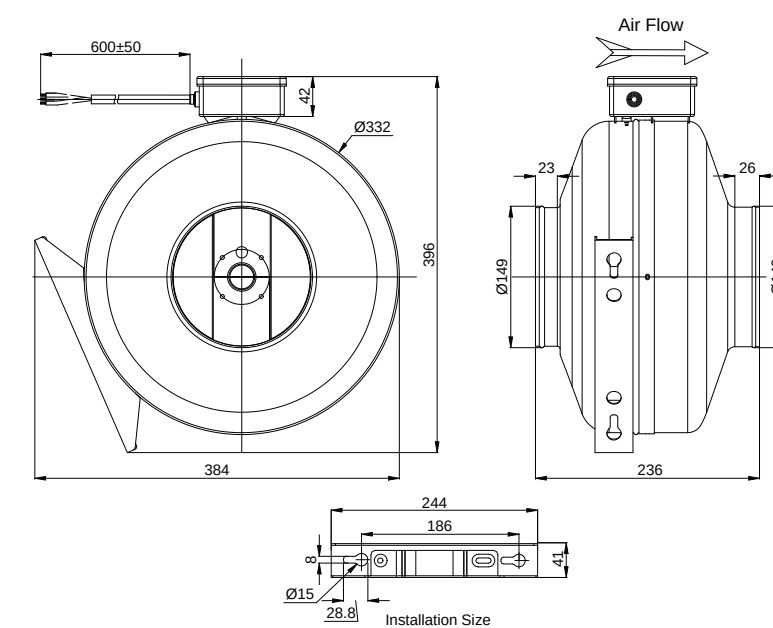


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M³/H	Pa	W	A	RPM	dB(A)
PQ2K125B1A-NA0	BALL	115	60	312	393	84.8	0.74	2997	66

AC Circular Duct Fan Single Inlet Ø150mm

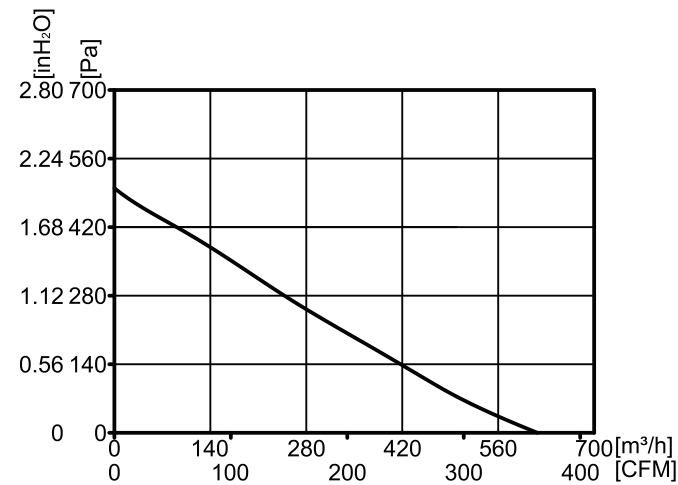


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC EXTERNAL ROTOR MOTOR	ON/OFF	IP54	F	-25°C ~ +60°C	3.2KG	A1

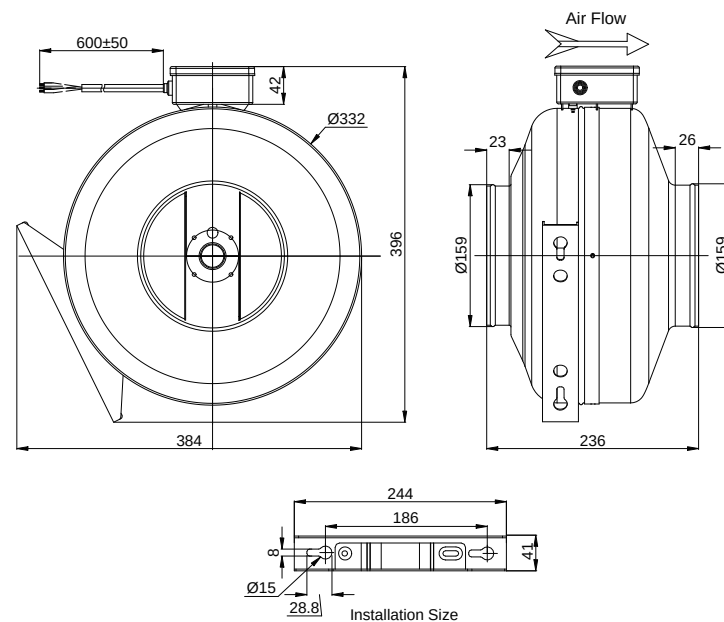


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M³/H	Pa	W	A	RPM	dB(A)
PQ2K150B1A-NA0	BALL	115	60	554	409	104.1	0.92	2545	67

AC Circular Duct Fan Single Inlet Ø160mm

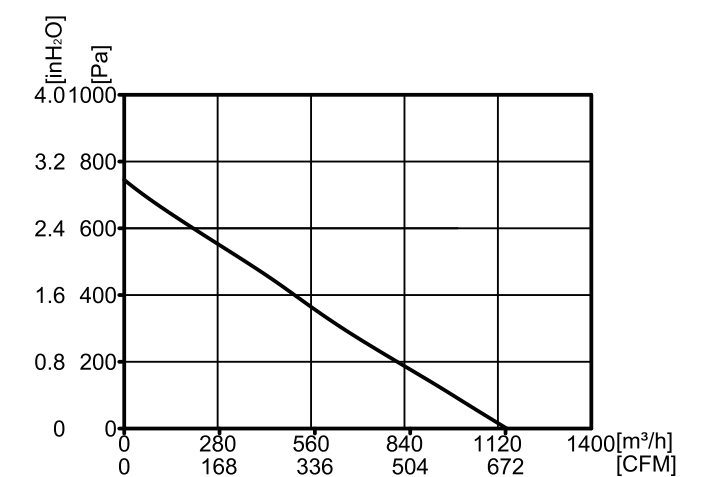


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC EXTERNAL ROTOR MOTOR	ON/OFF	IP54	F	-25°C ~ +60°C	3.9KG	A1

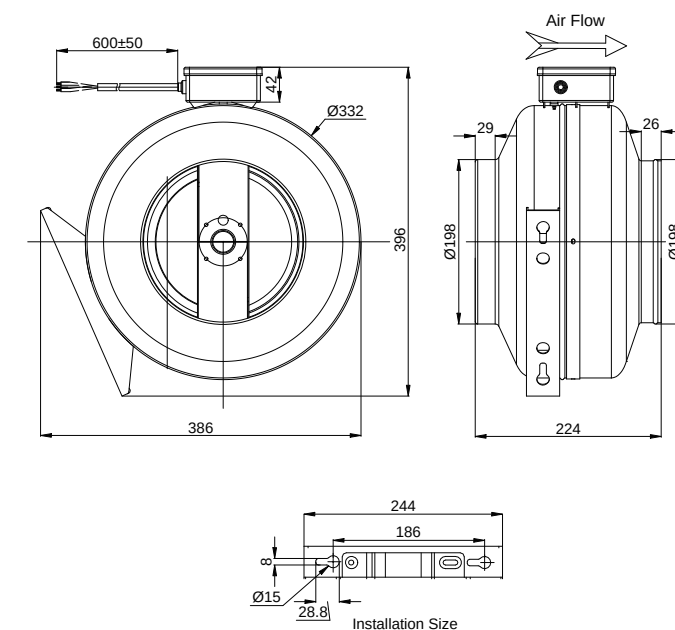


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M ³ /H	Pa	W	A	RPM	dB(A)
PQ2K160B1A-NA0	BALL	115	60	631	502	109.1	0.95	2454	66.7

AC Circular Duct Fan Single Inlet Ø200mm

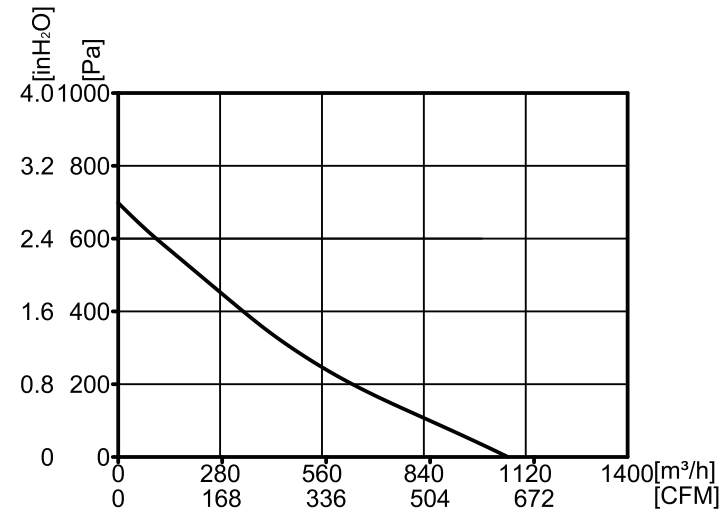


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC EXTERNAL ROTOR MOTOR	ON/OFF	IP54	F	-25°C ~ +60°C	5KG	A1

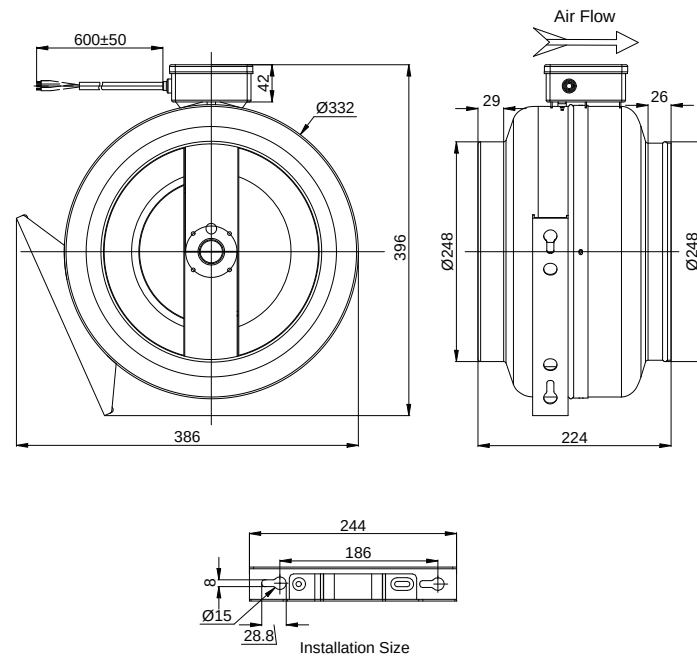


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M ³ /H	Pa	W	A	RPM	dB(A)
PQ2K200B1A-NA0	BALL	115	60	1142	748	243	2.12	2688	75

AC Circular Duct Fan Single Inlet Ø250mm

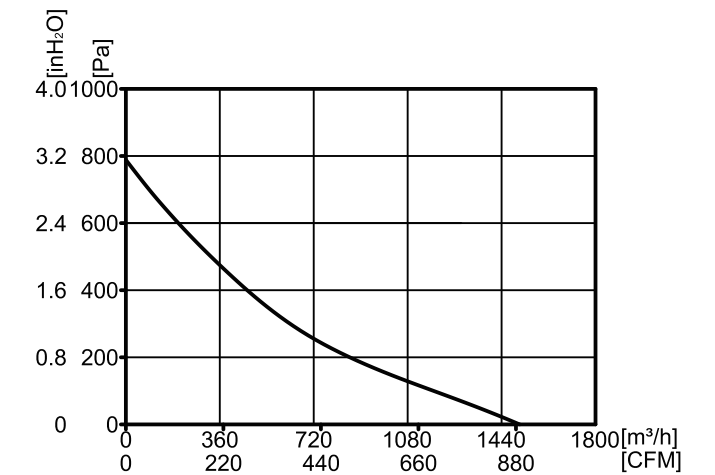


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC EXTERNAL ROTOR MOTOR	0~100% VVVF	IP54	F	-25°C~+60°C	4.7KG	A1

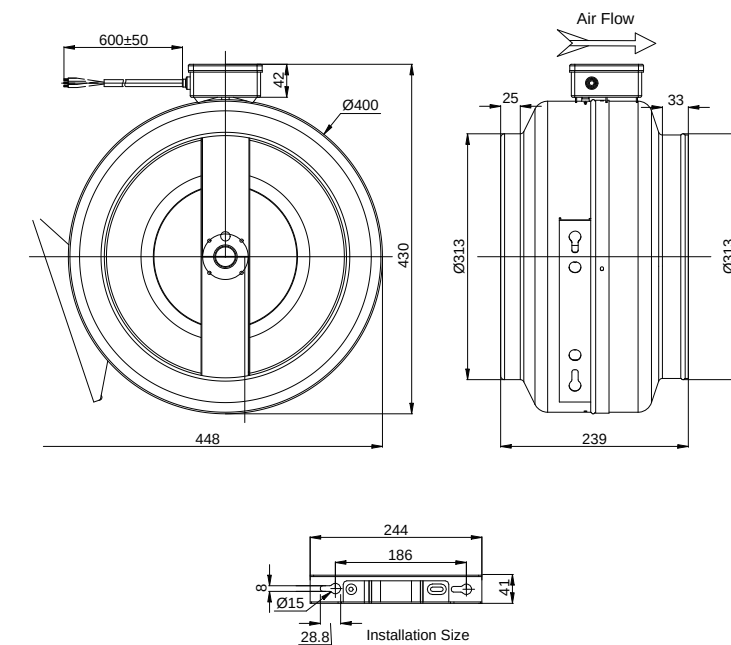


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M ³ /H	Pa	W	A	RPM	dB(A)
PQ2K250B1A-NA0	BALL	115	60	1031	697	107.5	1.57	2470	67.9

AC Circular Duct Fan Single Inlet Ø315mm

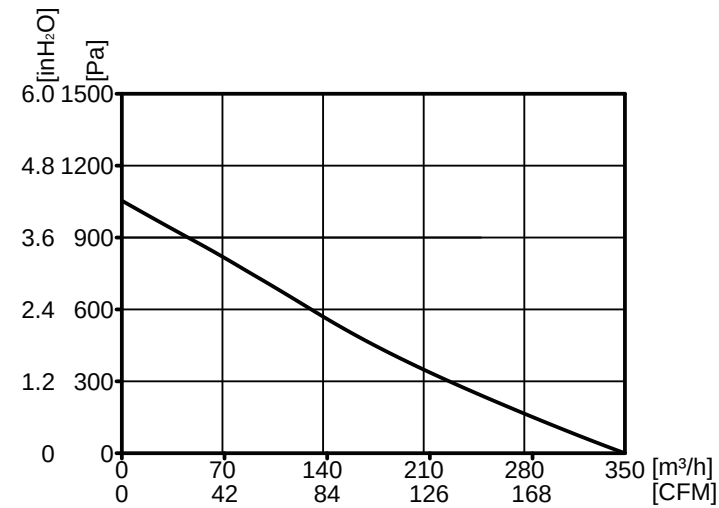


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC EXTERNAL ROTOR MOTOR	0~100% VVVF	IP54	F	-25°C~+60°C	6.2KG	A1

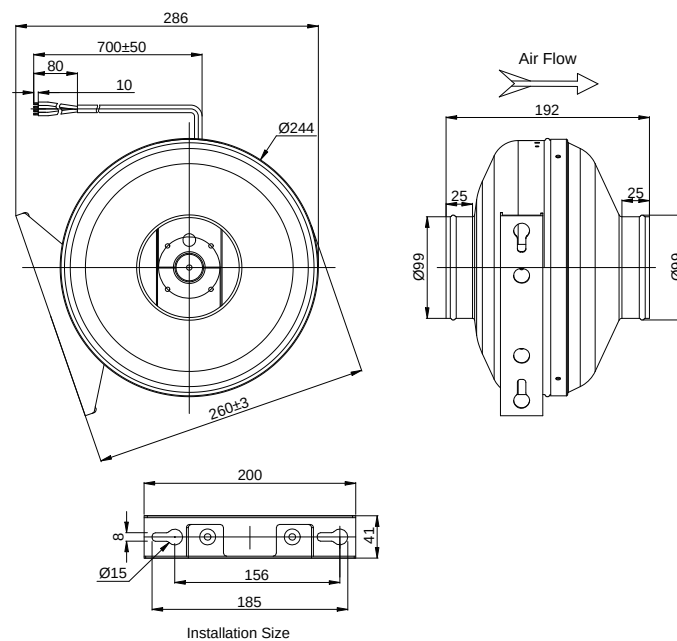


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M ³ /H	Pa	W	A	RPM	dB(A)
PQ2K315B1A-NA0	BALL	115	60	1519	792	240	2.19	2469	75.2

DC Circular Duct Fan Single Inlet Ø100mm

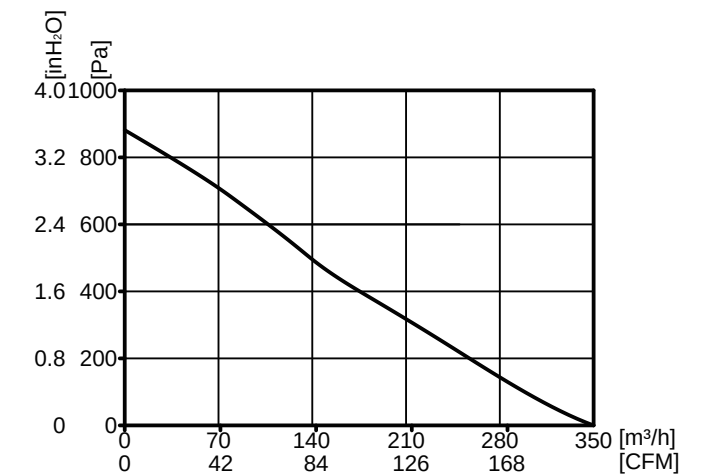


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
Brushless External	0-10VDC/PWM	IP55	B	-25°C~+60°C	3.1KG	D1

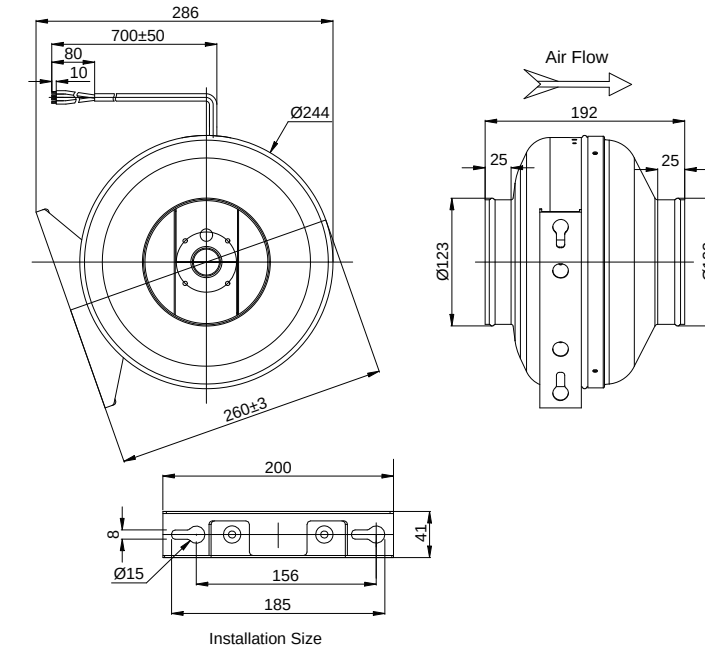


Model	Bearing System	Rated Voltage	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	M³/H	Pa	W	A	RPM	dB(A)
PQ3N100B24-TB0	BALL	24	350	1050	100	4.1	3500	73

DC Circular Duct Fan Single Inlet Ø125mm

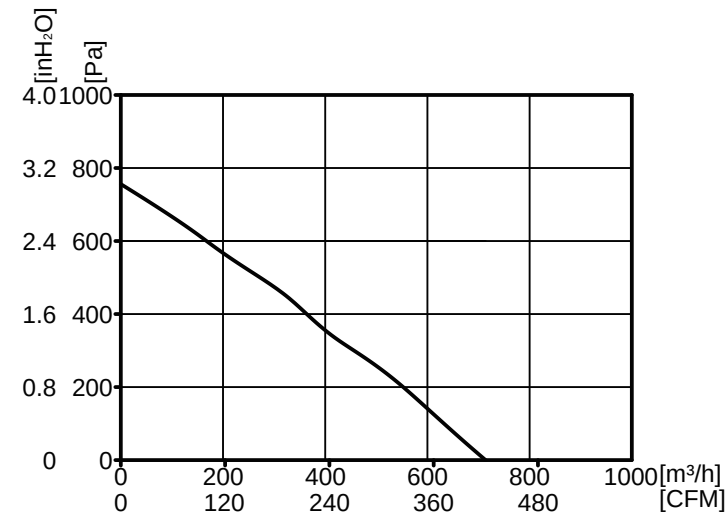


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
Brushless External	0-10VDC/PWM	IP55	B	-25°C~+60°C	3.2KG	D1

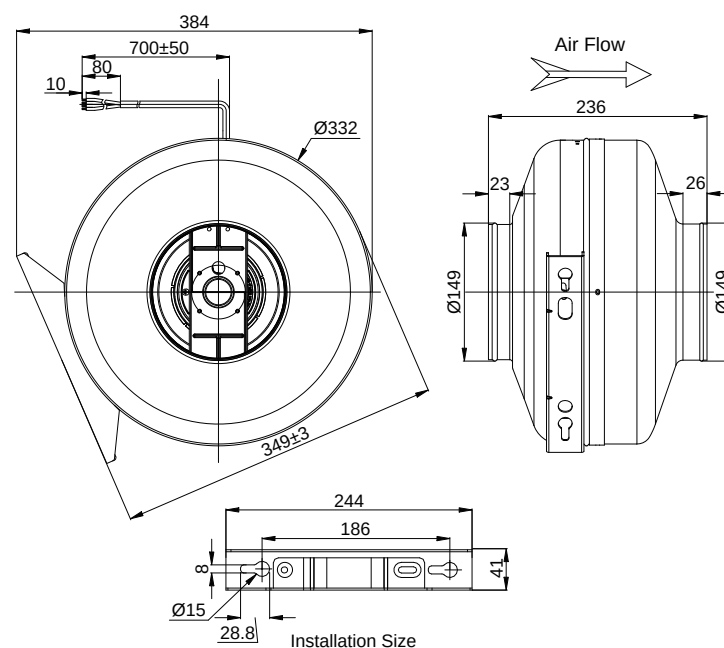


Model	Bearing System	Rated Voltage	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	M³/H	Pa	W	A	RPM	dB(A)
PQ3N125B24-TB0	BALL	24	350	880	100	4.2	3500	73

DC Circular Duct Fan Single Inlet Ø150mm

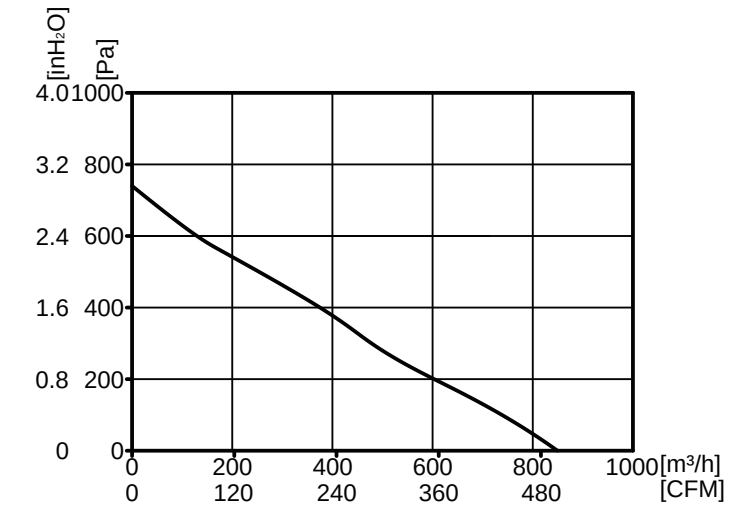


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
Brushless External	0-10VDC/PWM	IP44	B	-25°C~+60°C	3.4KG	D1

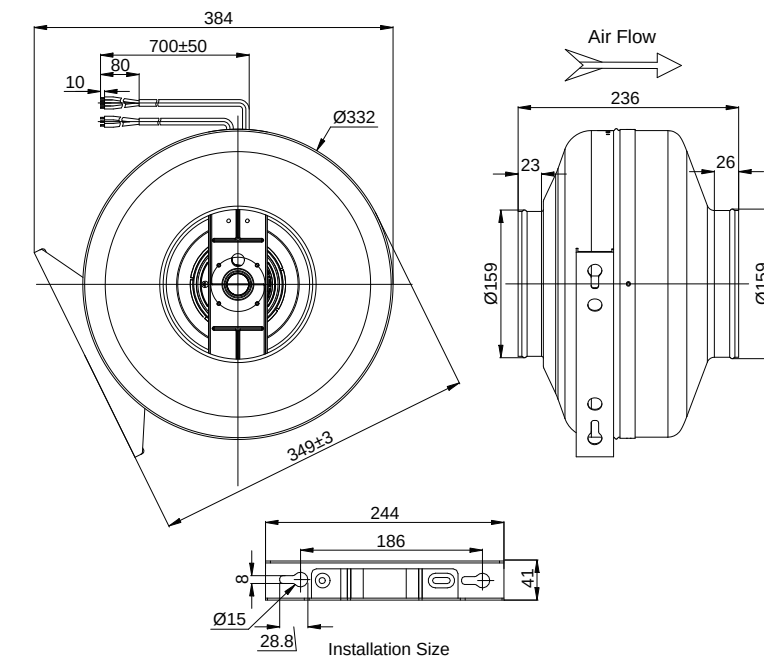


Model	Bearing System	Rated Voltage	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	M ³ /H	Pa	W	A	RPM	dB(A)
PQ3N150B24-NA0	BALL	24	720	770	120	5	3100	76

DC Circular Duct Fan Single Inlet Ø160mm

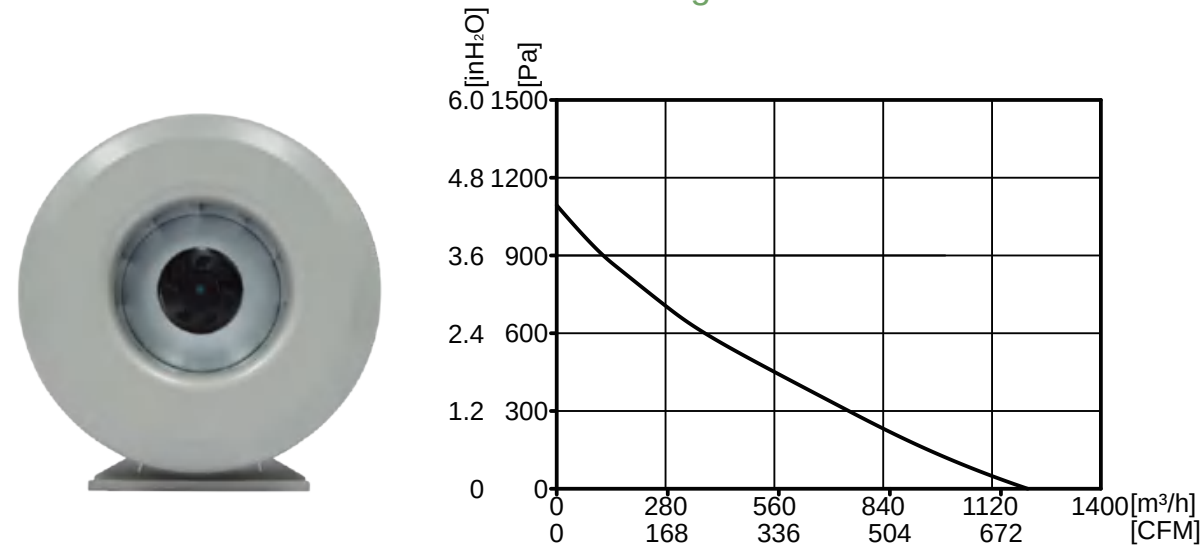


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
Brushless External	0-10VDC/PWM	IP44	B	-25°C~+60°C	4.2KG	D1

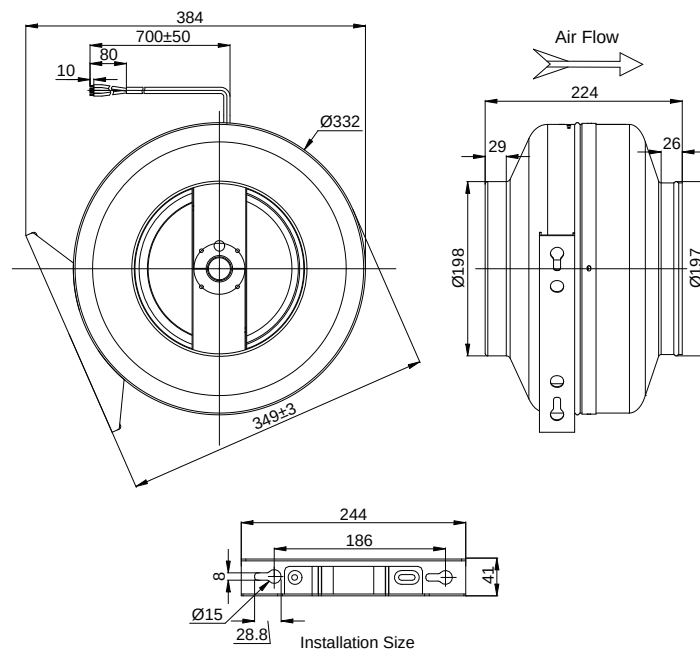


Model	Bearing System	Rated Voltage	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	M ³ /H	Pa	W	A	RPM	dB(A)
PQ3N160B24-NA0	BALL	24	845	740	120	5	3200	76

DC Circular Duct Fan Single Inlet Ø200mm

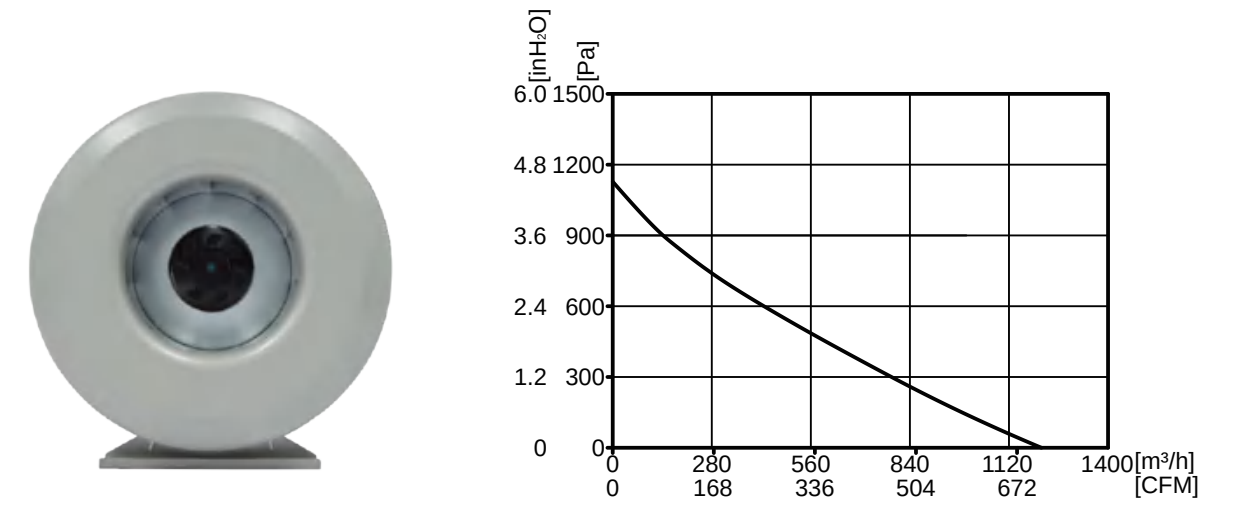


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
Brushless External	0-10VDC/PWM	IP44	B	-25°C~+60°C	5.3KG	D1

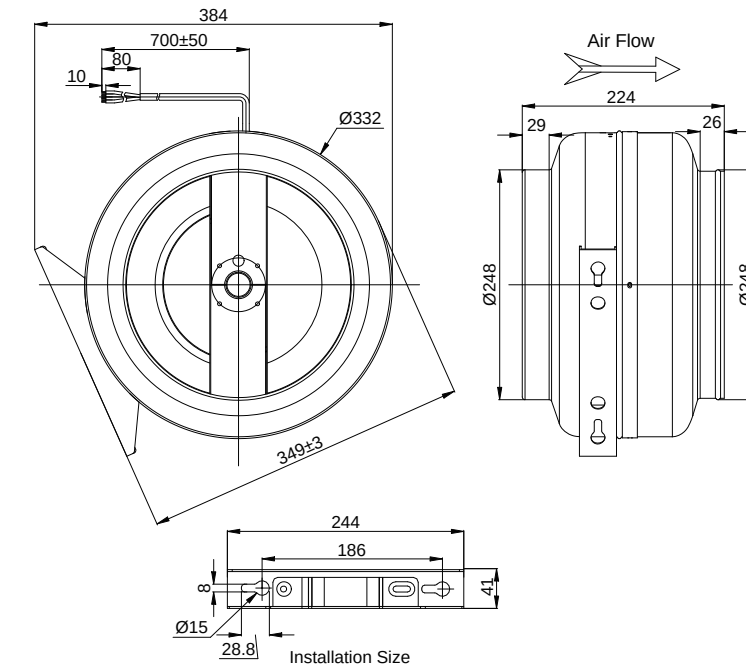


Model	Bearing System	Rated Voltage	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	M³/H	Pa	W	A	RPM	dB(A)
PQ3N200B24-NA0	BALL	24	1200	1065	180	7.5	2800	76

DC Circular Duct Fan Single Inlet Ø250mm

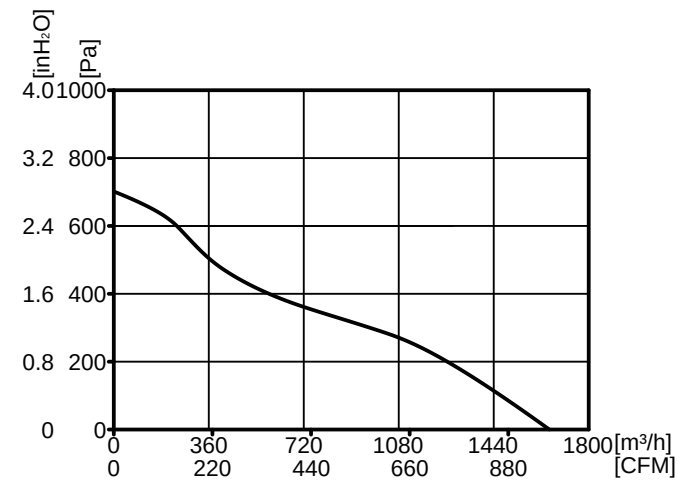


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
Brushless External	0-10VDC/PWM	IP44	B	-25°C~+60°C	5.2KG	D1

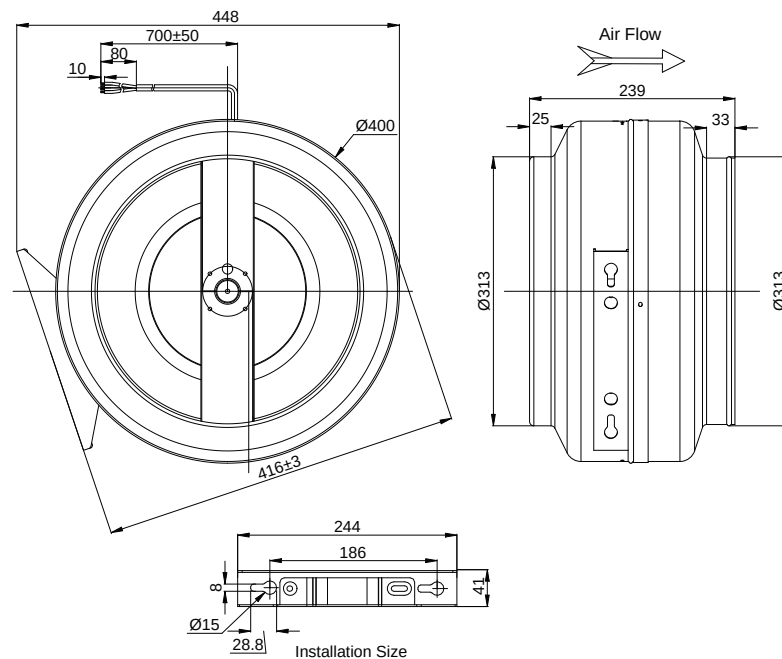


Model	Bearing System	Rated Voltage	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	M³/H	Pa	W	A	RPM	dB(A)
PQ3N250B24-NA0	BALL	24	1200	1070	180	7.5	2850	79

DC Circular Duct Fan Single Inlet Ø315mm

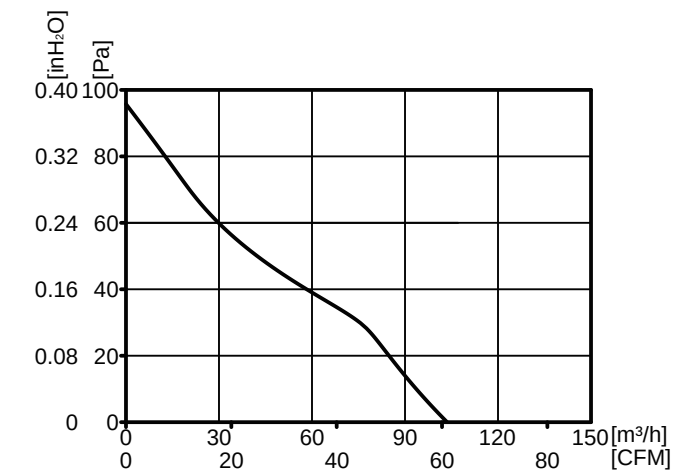


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
DC Brushless External rotor motor	0-10VDC/PWM	IP44	B	-25°C~+60°C	6.5KG	D2

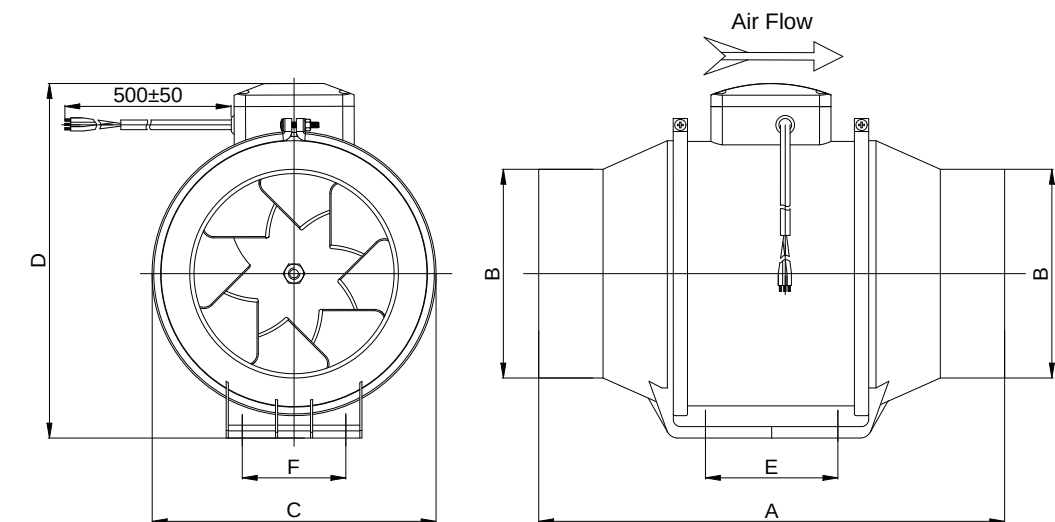


Model	Bearing System	Rated Voltage	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	M³/H	Pa	W	A	RPM	dB(A)
PQ3N315B24-NA0	BALL	24	1680	700	200	4.2	2550	79

AC Diagonal Duct Fan Single Inlet Ø75mm

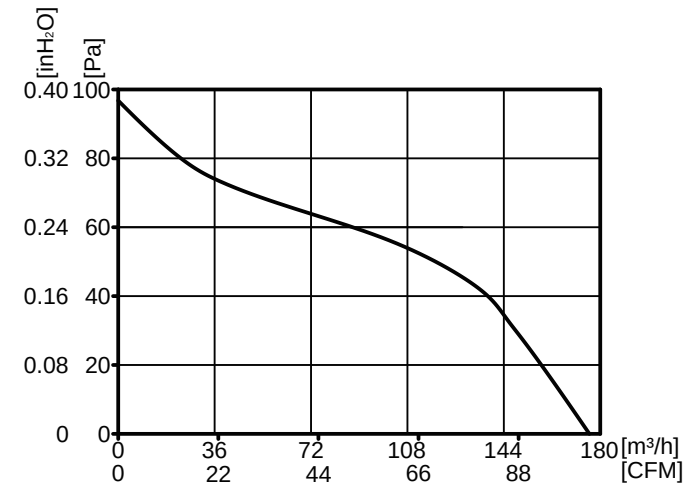


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC INNER ROTOR MOTOR	CUSTOMIZABLE MULTIPLE SPEEDS	IP42	B	-25°C~+60°C	1.3KG	A1

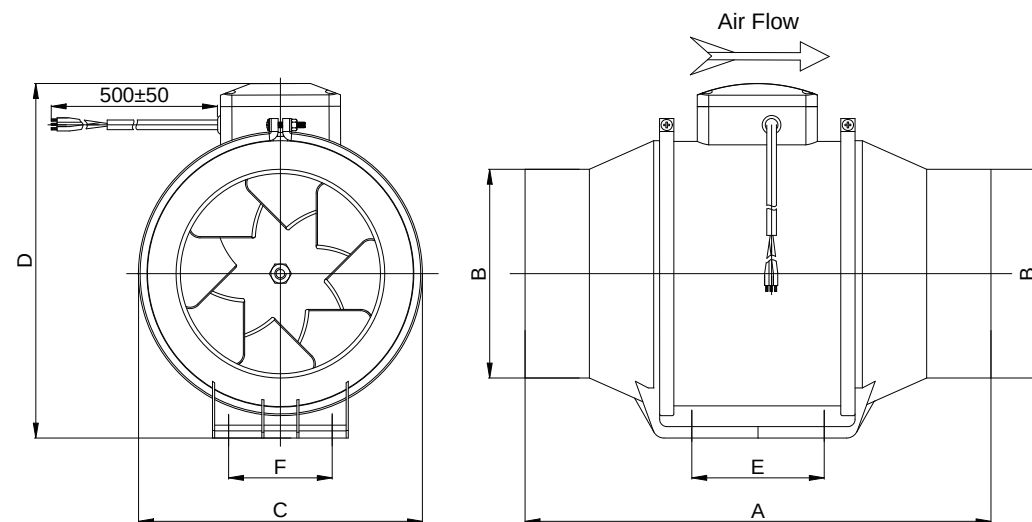


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M³/H	Pa	W	A	RPM	dB(A)
PL2K075B2A-TA0	BALL	230	50	104	96	30.8	0.134	2692	48.6

AC Diagonal Duct Fan Single Inlet Ø100mm

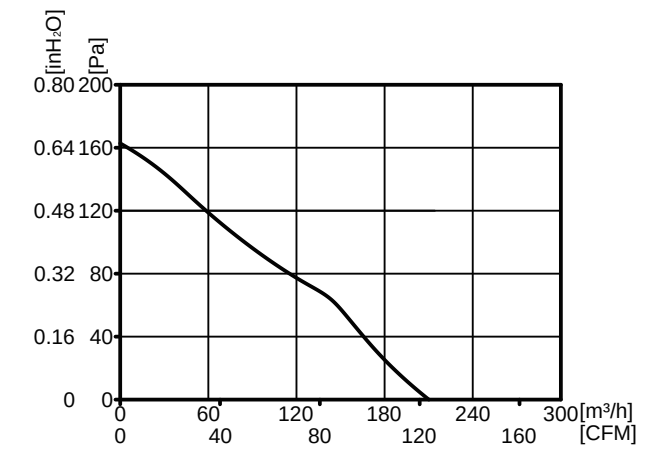


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC INNER ROTOR MOTOR	ON/OFF	IP42	B	-25°C~+60°C	1.5KG	A1

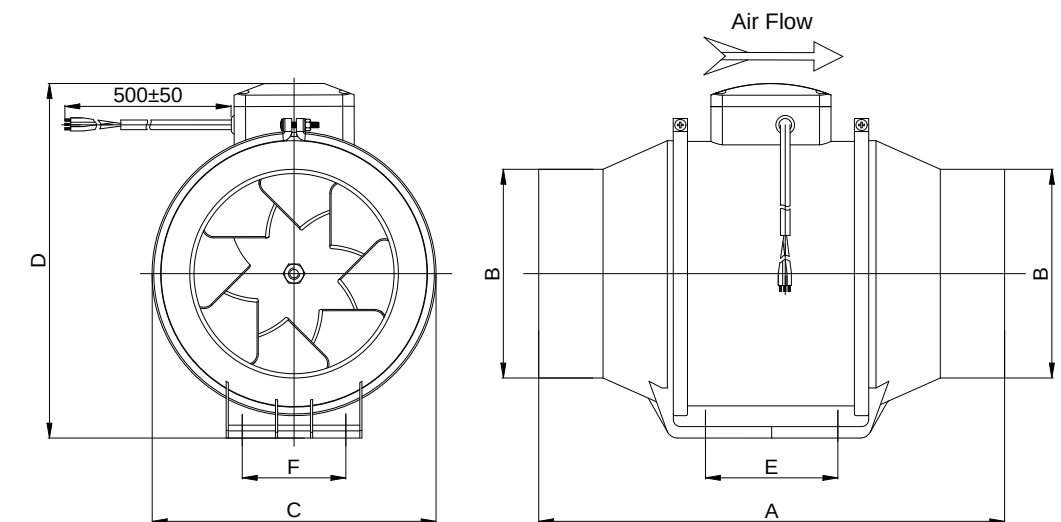


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M³/H	Pa	W	A	RPM	dB(A)
PL2K100B2A-TA0	BALL	230	50	176	97	31.6	0.136	2767	51.4

AC Diagonal Duct Fan Single Inlet Ø100mm

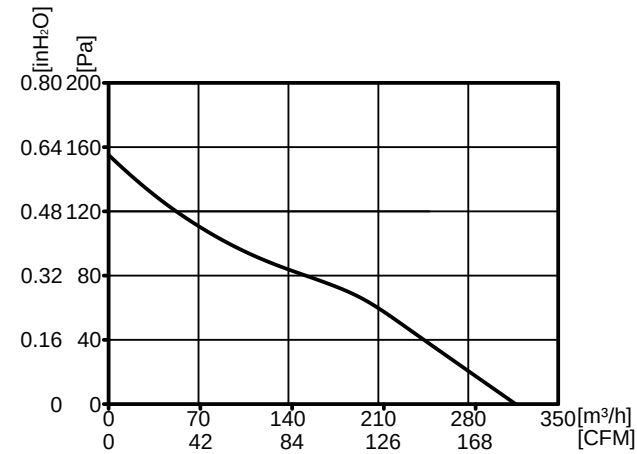


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC INNER ROTOR MOTOR	ON/OFF	IP42	B	-25°C~+60°C	1.5KG	A1

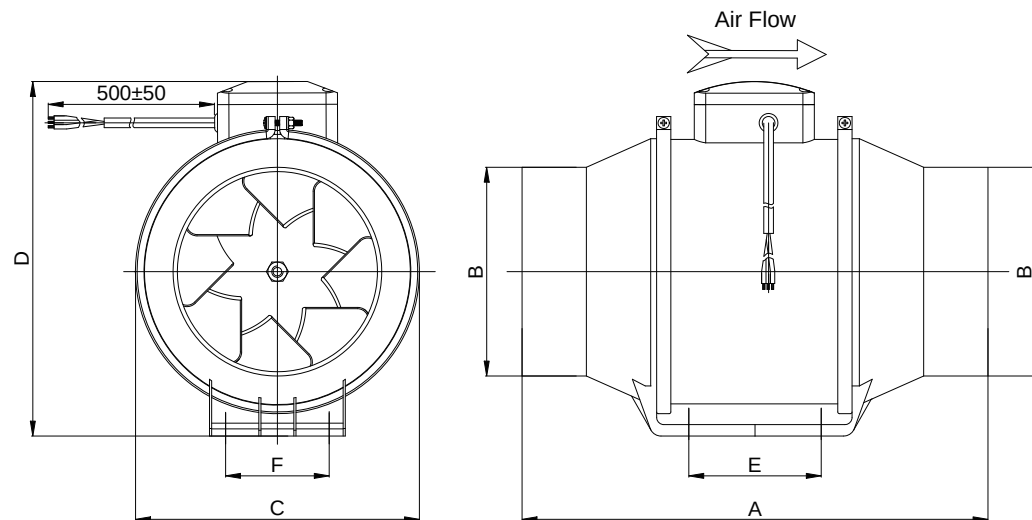


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M³/H	Pa	W	A	RPM	dB(A)
PL2K100B2A-TA1	BALL	230	50	209	164	47.5	0.208	2708	56.5

AC Diagonal Duct Fan Single Inlet Ø125mm

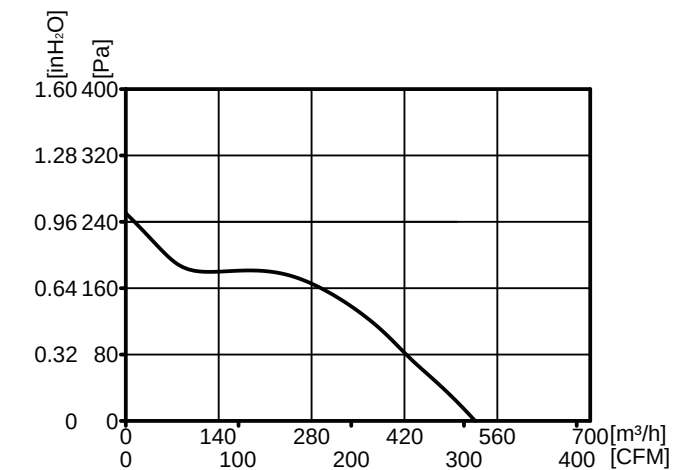


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC INNER ROTOR MOTOR	ON/OFF	IP42	B	-25°C~+60°C	1.6KG	A1

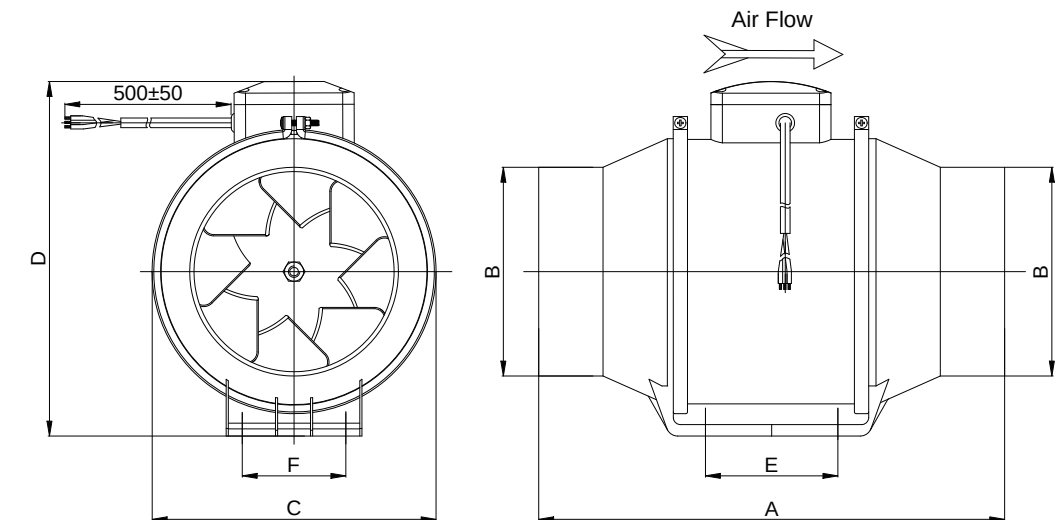


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M³/H	Pa	W	A	RPM	dB(A)
PL2K125B2A-TA0	BALL	230	50	318	155	43.2	0.185	2667	58.3

AC Diagonal Duct Fan Single Inlet Ø150mm

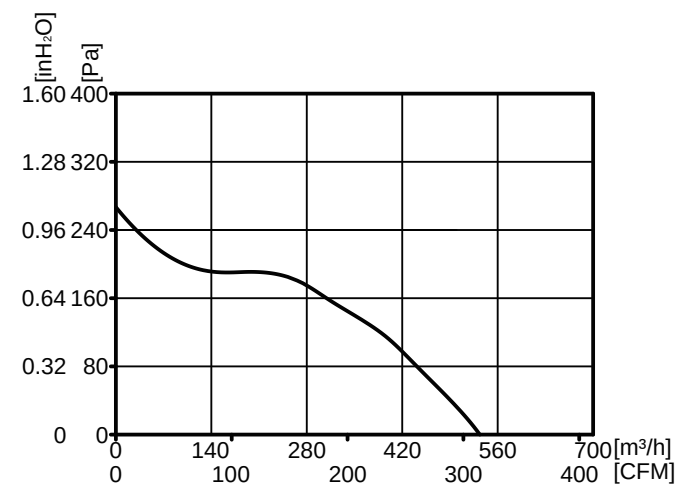


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC INNER ROTOR MOTOR	ON/OFF	IP42	B	-25°C~+60°C	2.6KG	A1

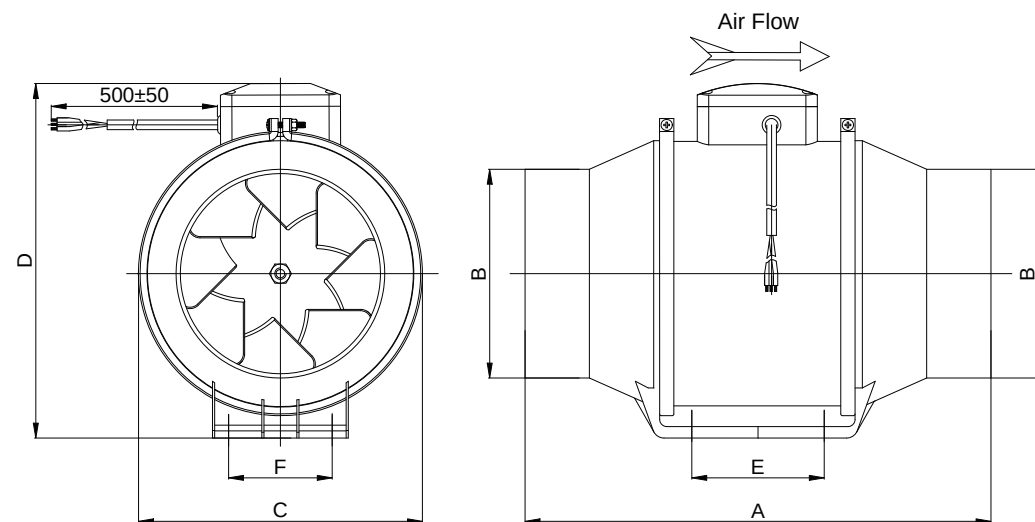


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M³/H	Pa	W	A	RPM	dB(A)
PL2K150B2A-HA0	BALL	230	50	540	254	78.4	0.34	2667	61.9

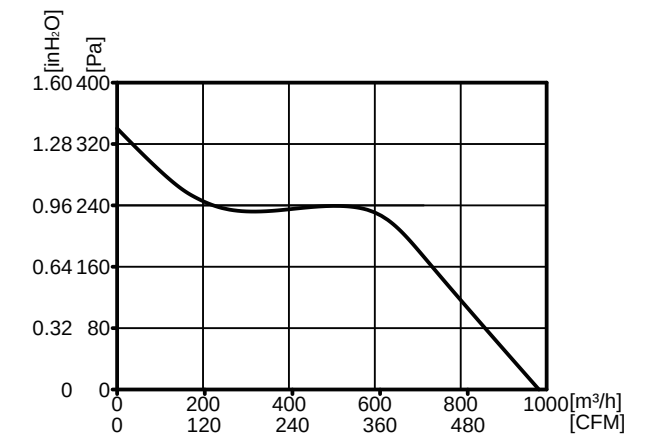
AC Diagonal Duct Fan Single Inlet Ø160mm



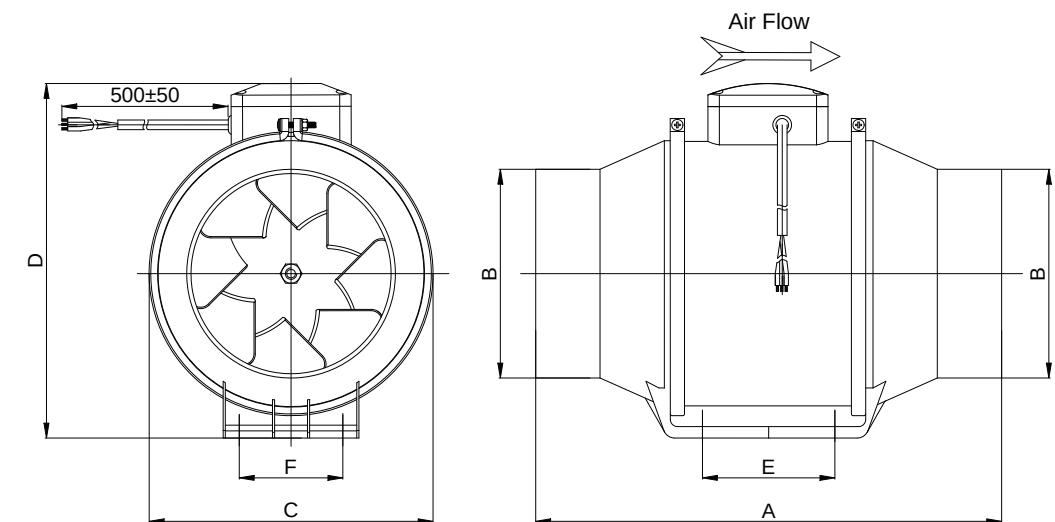
Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC INNER ROTOR MOTOR	ON/OFF	IP42	B	-25°C~+60°C	2.7KG	A1



AC Diagonal Duct Fan Single Inlet Ø200mm



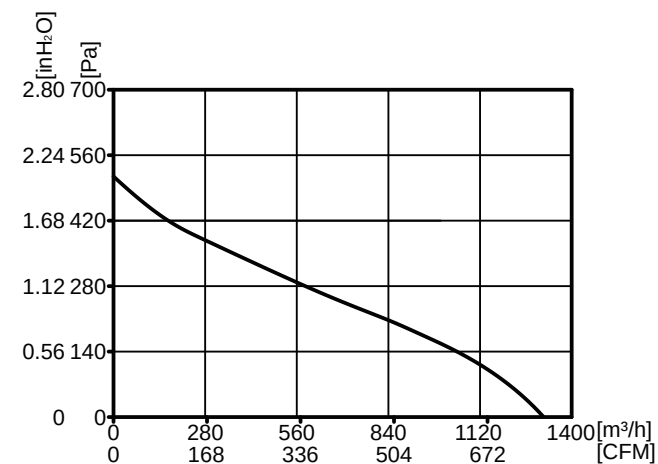
Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC INNER ROTOR MOTOR	ON/OFF	IP42	B	-25°C~+60°C	4.9KG	A1



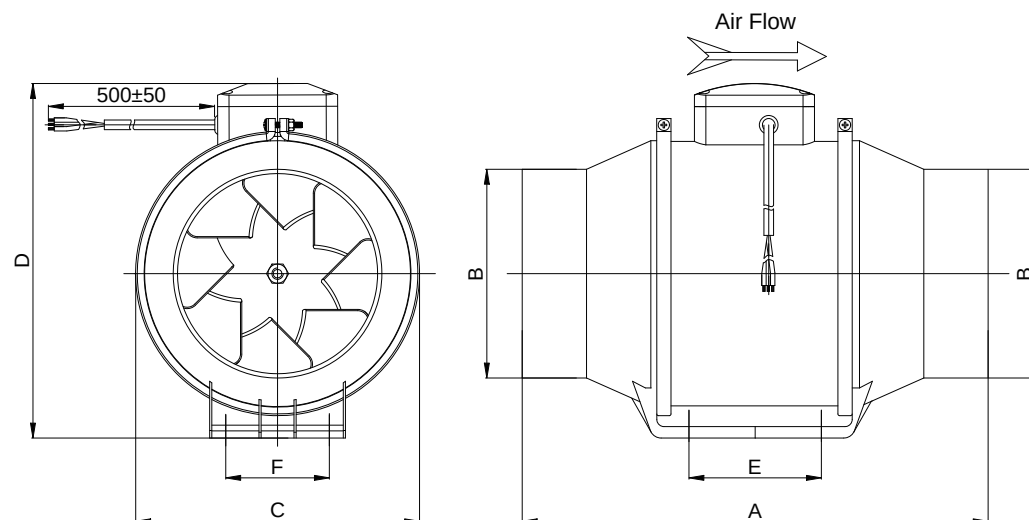
Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M³/H	Pa	W	A	RPM	dB(A)
PL2K160B2A-HA0	BALL	230	50	546	261	73.5	0.329	2625	61.9

Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M³/H	Pa	W	A	RPM	dB(A)
PL2K200B2A-MA0	BALL	230	50	985	341	142.3	0.625	2583	67.2

AC Diagonal Duct Fan Single Inlet Ø250mm

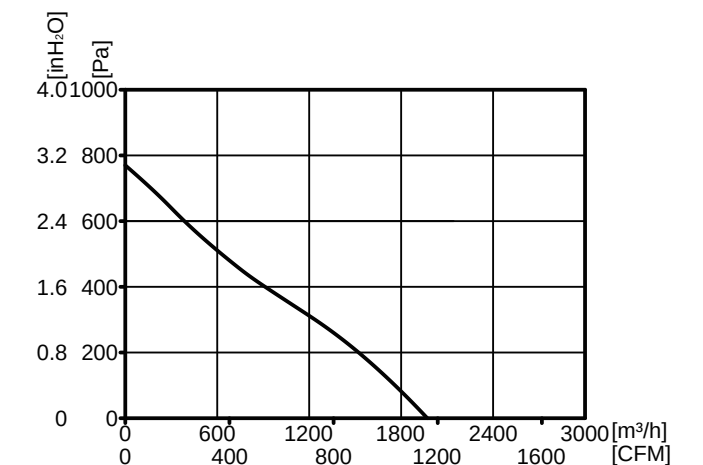


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC INNER ROTOR MOTOR	0~100% V/F	IP42	B	-25°C~+60°C	7.5KG	A1

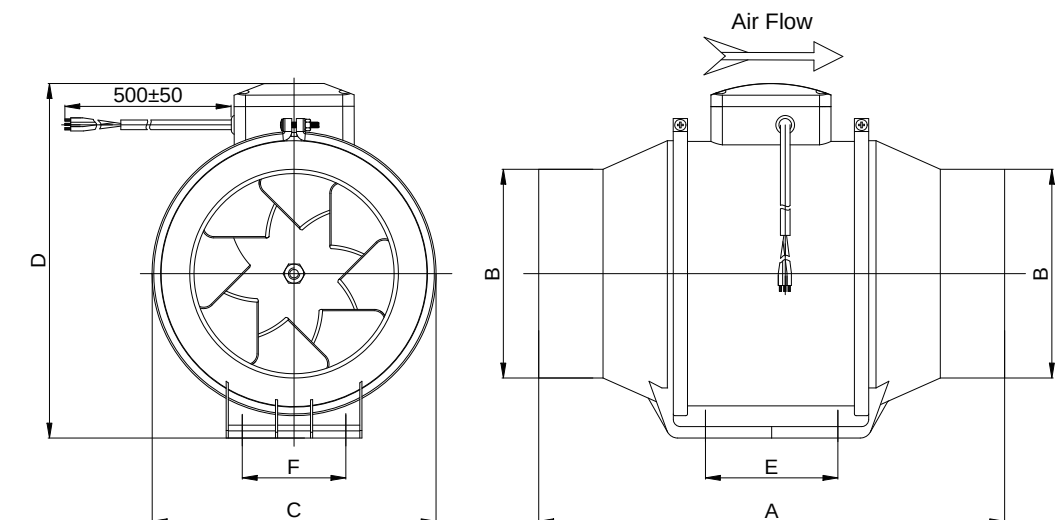


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M³/H	Pa	W	A	RPM	dB(A)
PL2K250B2A-MA0	BALL	230	50	1304	509	234	1.09	2658	72.3

AC Diagonal Duct Fan Single Inlet Ø315mm

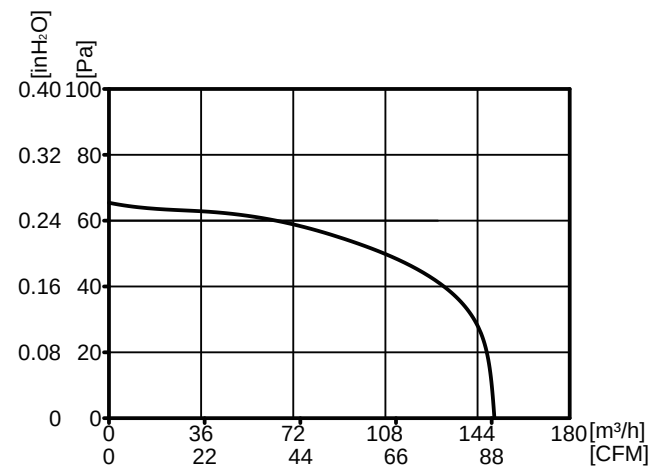


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC INNER ROTOR MOTOR	0~100% V/F	IP42	B	-25°C~+60°C	11KG	A1

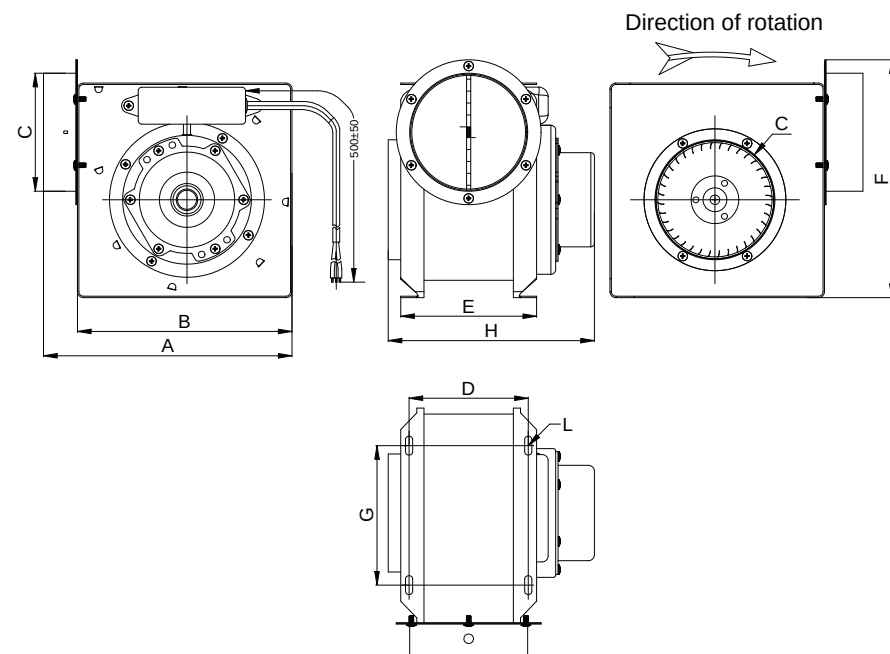


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M³/H	Pa	W	A	RPM	dB(A)
PL2K315B2A-CA0	BALL	230	50	1924	787	288	1.252	2575	73.1

AC Split Duct Fan Single Inlet Ø100mm

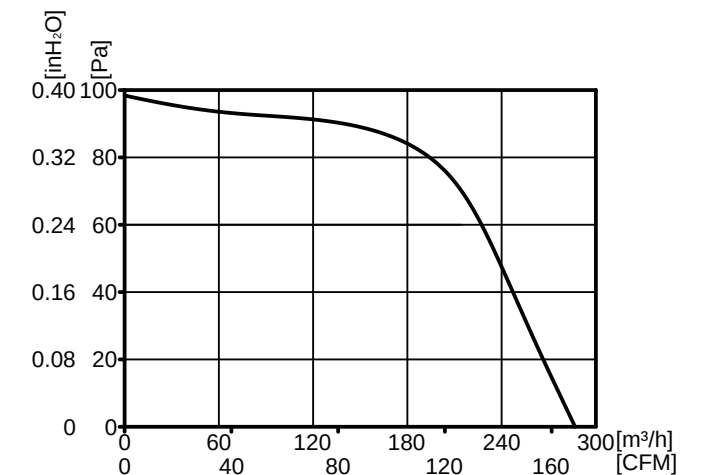


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC INNER ROTOR MOTOR	ON/OFF	IP42	B	-25°C ~ +60°C	2.9KG	A1

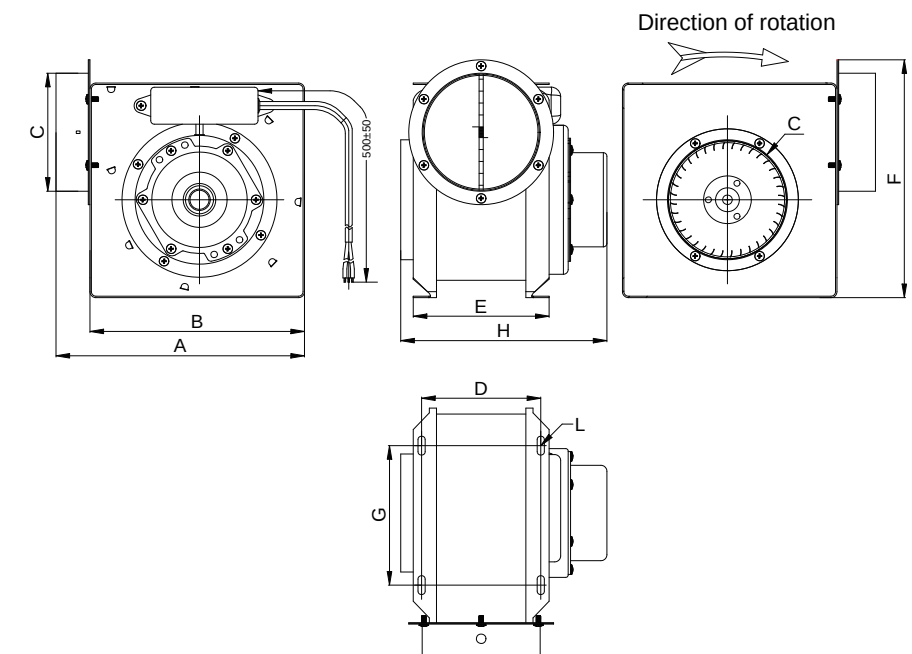


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M³/H	Pa	W	A	RPM	dB(A)
PU2K100B2A-DA0	BALL	230	50	151	65	22	0.11	2692	48.6

AC Split Duct Fan Single Inlet Ø150mm

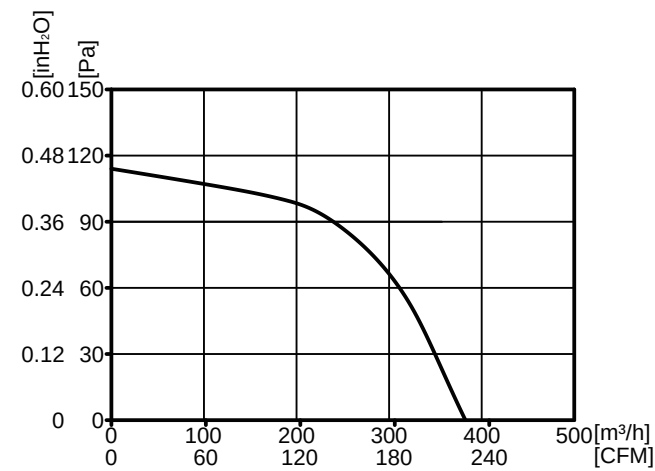


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC EXTERNAL ROTOR MOTOR	ON/OFF	IP54	F	-25°C ~ +60°C	5.6KG	A1

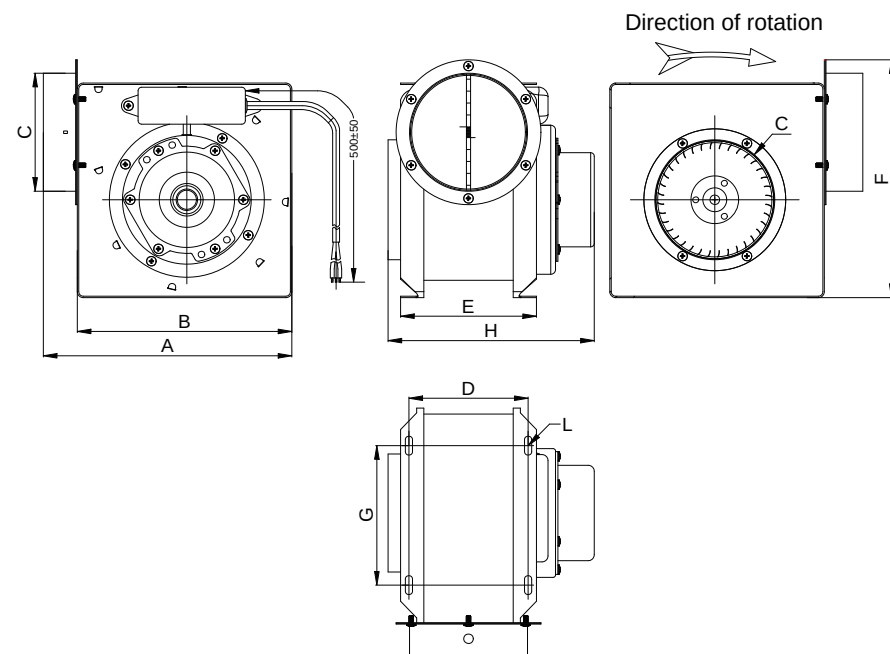


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M³/H	Pa	W	A	RPM	dB(A)
PU2K150B2A-DA0	BALL	230	50	289	98	39	0.19	1200	51

AC Split Duct Fan Single Inlet Ø150mm

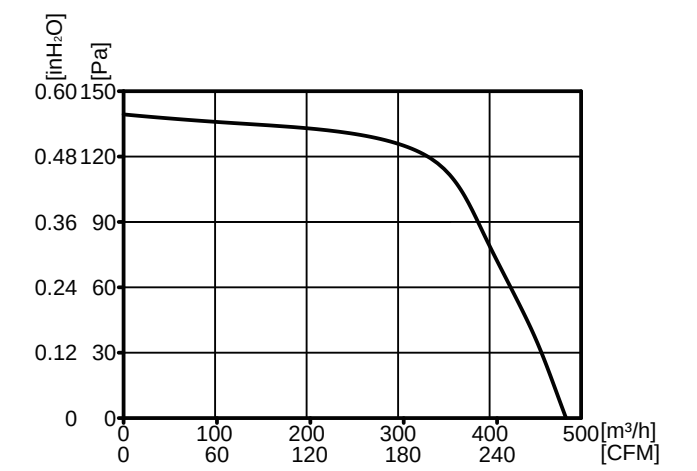


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC EXTERNAL ROTOR MOTOR	0~100% V/F SPEED CONTROL	IP54	F	-25℃~+60℃	5.6KG	A1

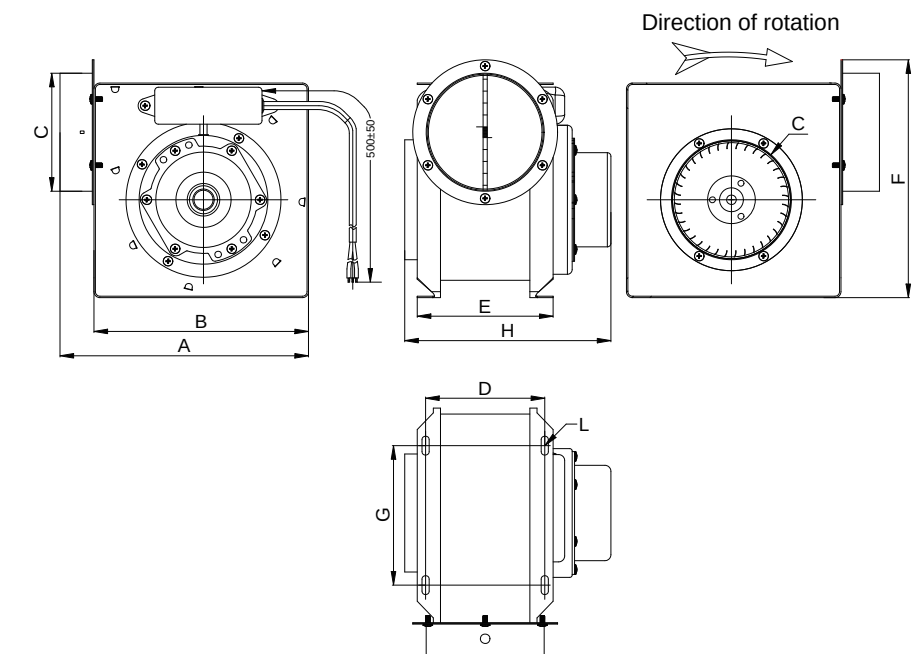


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M³/H	Pa	W	A	RPM	dB(A)
PU2K150B2A-GB0	BALL	230	50	381	115	45	0.21	1350	60.6

AC Split Duct Fan Single Inlet Ø150mm

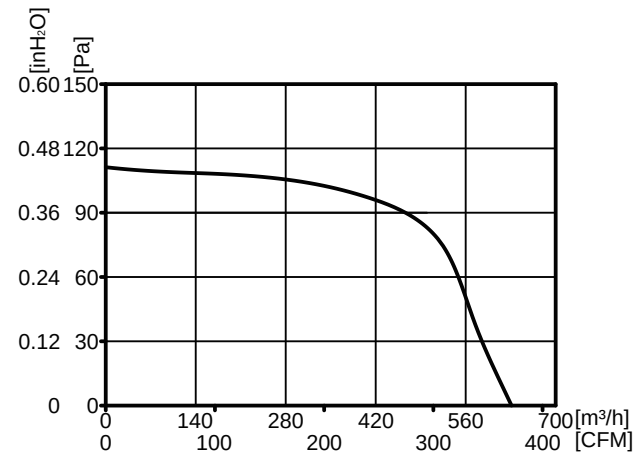


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC EXTERNAL ROTOR MOTOR	0~100% V/F SPEED CONTROL	IP54	F	-25℃~+60℃	2.9KG	A1

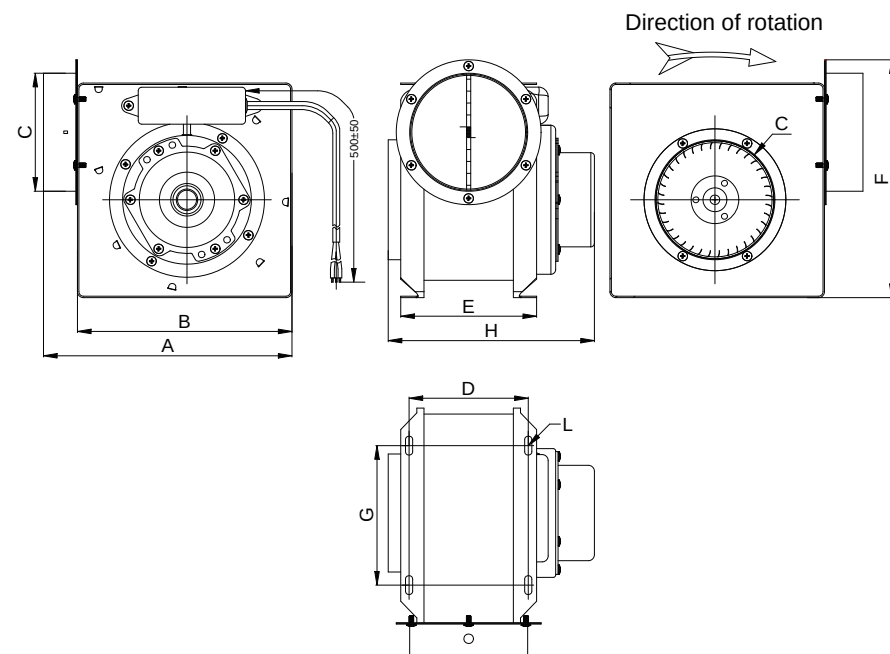


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M³/H	Pa	W	A	RPM	dB(A)
PU2K150B2A-GC0	BALL	230	50	485	85	45	0.39	1250	61.9

AC Split Duct Fan Single Inlet Ø200mm

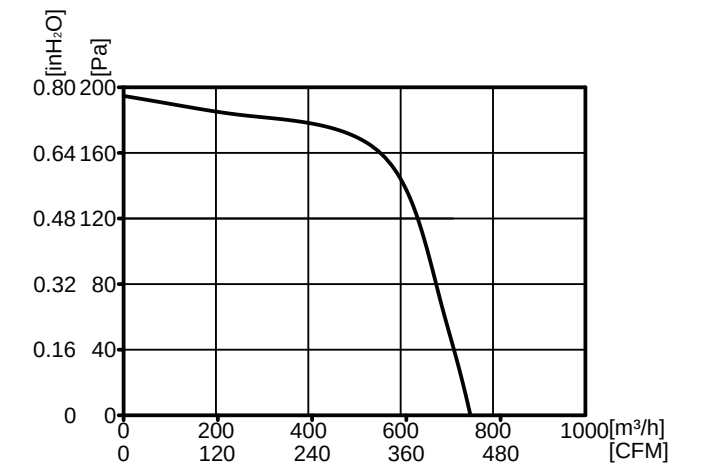


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC EXTERNAL ROTOR MOTOR	INVERTER SPEED CONTROL	IP54	F	-25°C ~ +60°C	9.3KG	A1

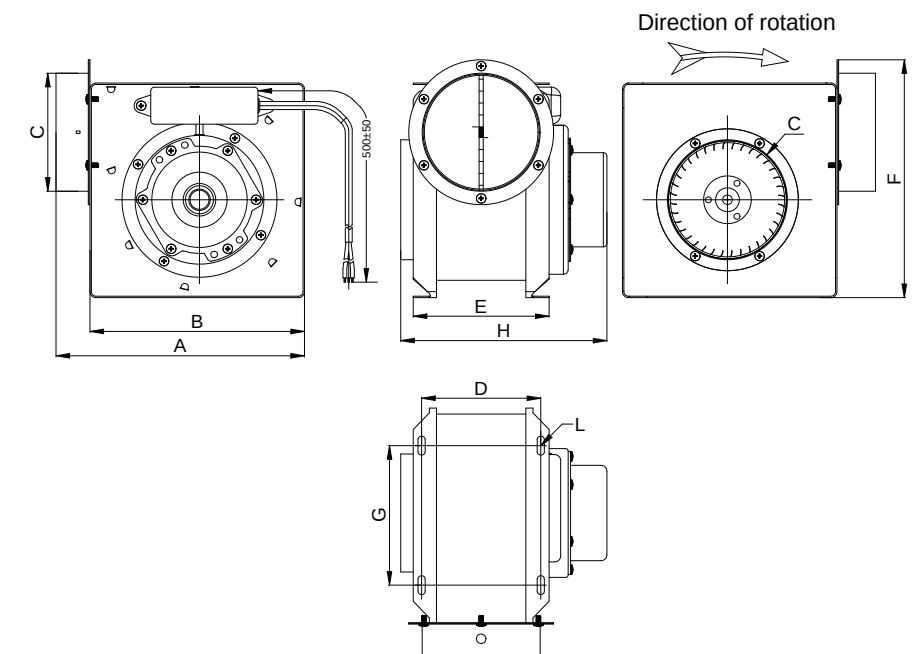


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M³/H	Pa	W	A	RPM	dB(A)
PU2K200B2A-CA0	BALL	230	50	625	110	61	0.28	840	53.7

AC Split Duct Fan Single Inlet Ø200mm

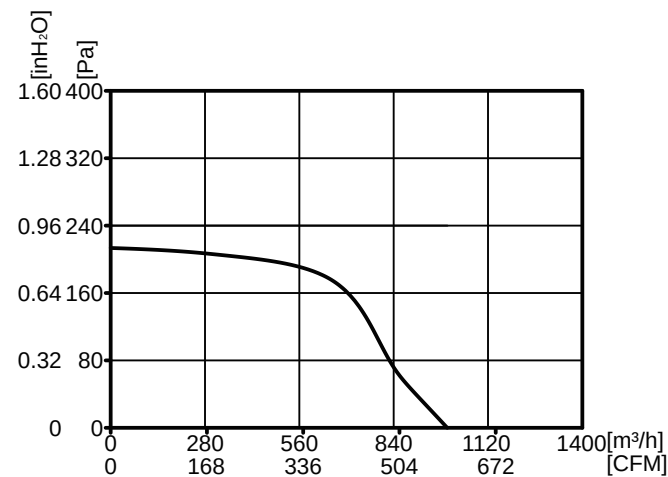


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC EXTERNAL ROTOR MOTOR	INVERTER SPEED CONTROL	IP54	F	-25°C ~ +60°C	9.3KG	A1

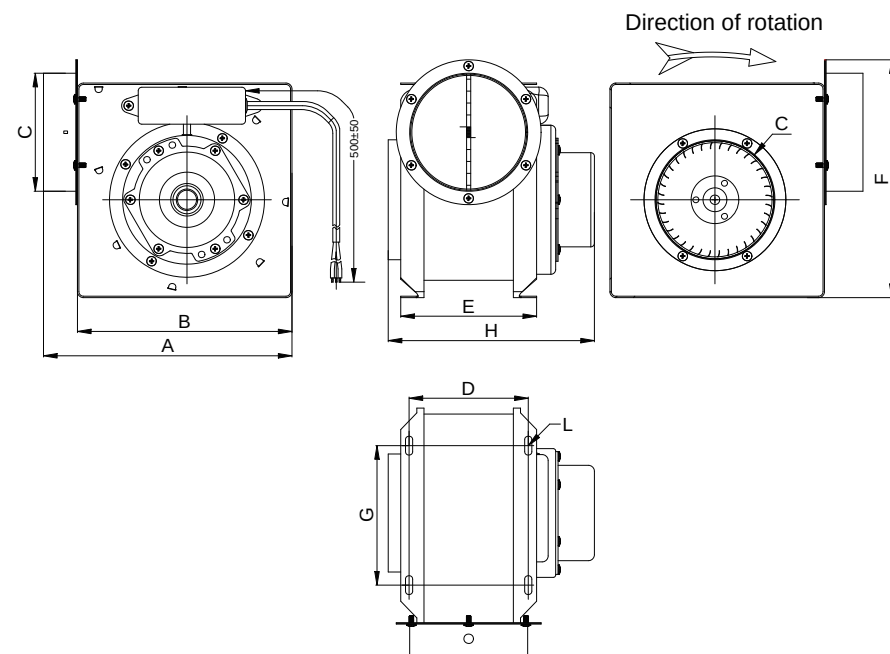


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M³/H	Pa	W	A	RPM	dB(A)
PU2K200B2A-CB0	BALL	230	50	752	195	95	0.43	950	62.8

AC Split Duct Fan Single Inlet Ø200mm

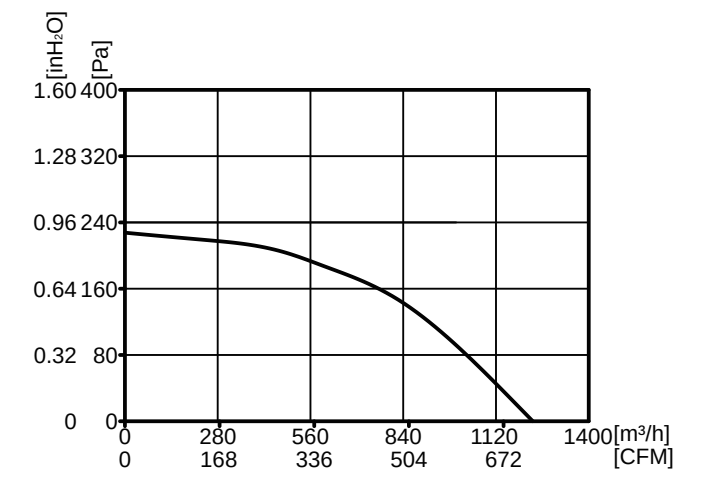


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC EXTERNAL ROTOR MOTOR	0~100% VVVF	IP54	F	-25°C ~ +60°C	9.3KG	A1

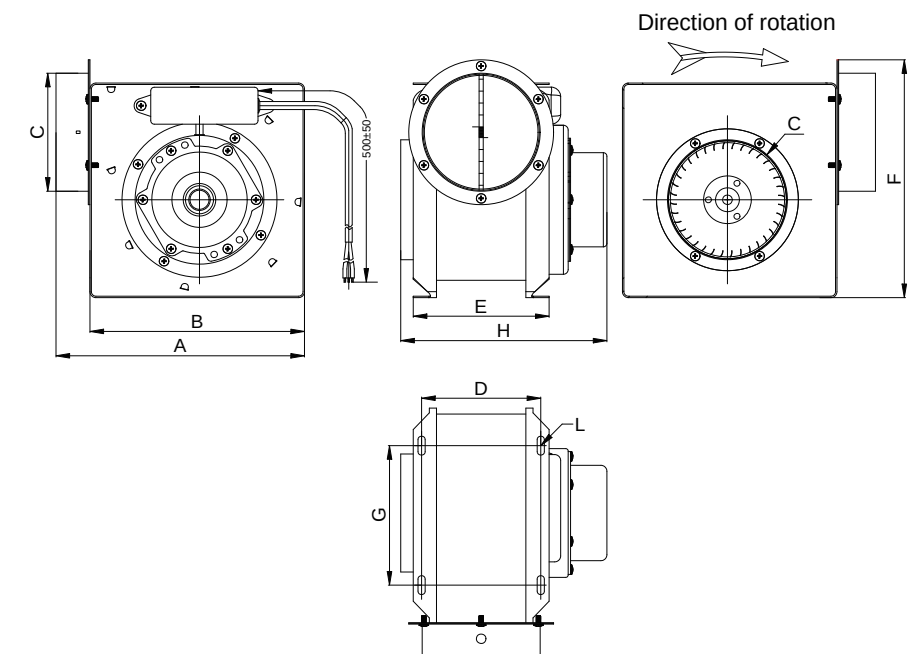


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M³/H	Pa	W	A	RPM	dB(A)
PU2K200B2A-CC0	BALL	230	50	1012	210	160	0.72	1165	65.3

AC Split Duct Fan Single Inlet Ø200mm

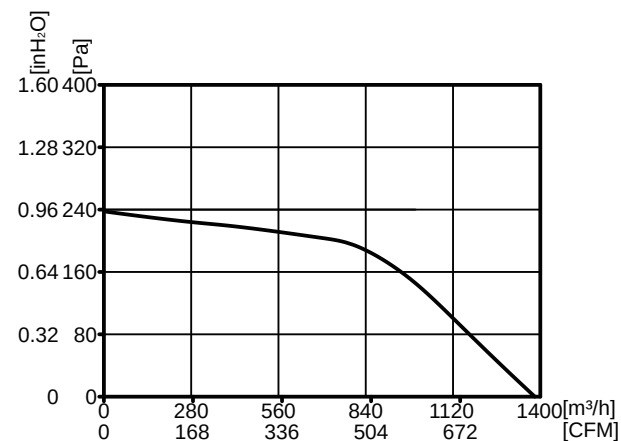


Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC EXTERNAL ROTOR MOTOR	0~100% VVVF	IP54	F	-25°C ~ +60°C	12.5KG	A1

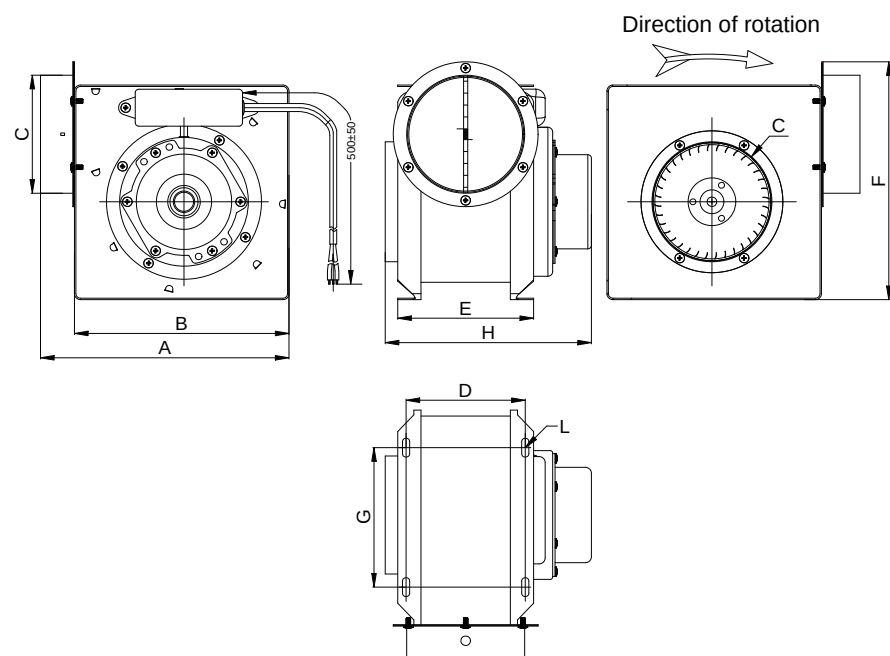


Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M³/H	Pa	W	A	RPM	dB(A)
PU2K200B2A-CD0	BALL	230	50	1220	220	203	0.92	1090	64.5

AC Split Duct Fan Single Inlet Ø200mm



Motor Type	Speed Control	Protection Type	Insulation Class	Operating Temperature	Weight	Wiring Mode
AC EXTERNAL ROTOR MOTOR	ON/OFF/CONTINUOUS	IP54	F	-25°C~+60°C	12.5KG	A1



Model	Bearing System	Rated Voltage	Frequency	Air Flow	Air Pressure	Rated Power	Rated Current	Rated Speed	Sound Level
Part No.	B/S	VAC	Hz	M ³ /H	Pa	W	A	RPM	dB(A)
PU2K200B2A-CE0	BALL	230	50	1380	239	253	1.13	1200	66.8

Fan Selection Guide



In order to provide you with more considerate fan selection and technical solution services, please provide your demand information in the following table as much as possible:

Note: The Red * marked is required.		Date	
Project Name		* Client Name	
* Applied to Which Products or Industries		Special Working Conditions to be Reminded	
Fan Mounting Space Size (LxWxH)	mm	Motor Type	
* Blade Type and Materials		* Impeller Size (LxWxH)	mm

Is it possible to provide 《Fan Technical Requirements List 》 or replaced fan specification or replaced fan brand & model number?

Fan's Key Technical Requirements	Key Parameters	P/Q	Replaced Fan Brand	Replaced Fan Model Number	Photo of Replaced Fan Name Plate

Key Technical Parameter Information For Fan Selection

* Rated Voltage (V)		Max. Current (A)		Frequency (HZ)	
Rated Power(W)		Motor Output Power (W)		Bearing Type	
* Max. Airflow (M³/H)		* Max. Air Pressure (Pa)		* Speed (RPM)	
Operation Point's Air Flow & Air Pressure		Max. Operating Temperature (°C)		Rotation or Air Flow Direction	
* Expected Sound Level (dBA)		Water and Dust Protection Class (IPXX)		Isulation Class	
Motor Operating Protections		Speed Control Type		Certificates	
Operating Voltage Range (V)		Wire Length and Connector Requirements		Wiring Mode	
Fan Efficiency (η)		Motor Efficiency (η)		Fan Operation Control	

Key Commercial Requirements

Total Quantity Demand		Quantity and Date for the First Order	
Quantity of Sample		Sample Demand Time	
Packing Demand		Type of Shipping	
* Recipient's Name and Mobile Number		* Detail Receiving Address	

Client's Other Requirements:
Such as: non-standard fan size (mm), special installation requirements, special working and operating environment, etc

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