

SUNON®



Energy Saving Green EC Fan

*All products are RoHS compliant.



Table of Contents

Green EC Fans Model Numbering System

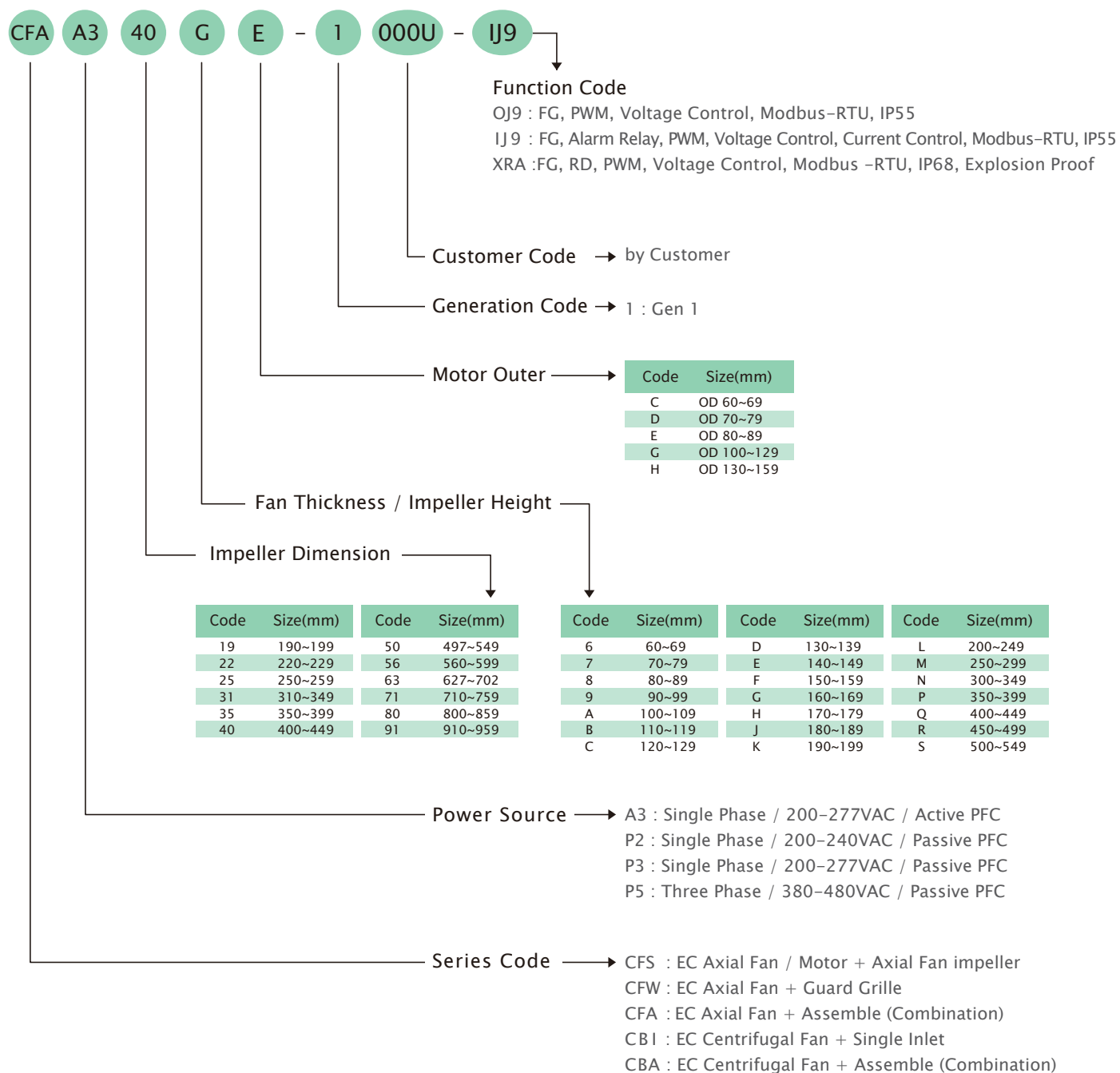
01

Size (mm)	Page
Axial Fan – 400	04–05
Axial Fan – 500	06–07
Axial Fan – 630	08–09
Axial Fan – 710	10–11
Axial Fan – 800	12–13
Axial Fan – 910	14–15
Centrifugal Fan – 190	22–23
Centrifugal Fan – 225	24–25
Centrifugal Fan – 250	26–27
Centrifugal Fan – 310	28–29
Centrifugal Fan – 355	30–31
Centrifugal Fan – 400	32–33
Centrifugal Fan – 500	34–35
Centrifugal Fan – 560	36–37
Centrifugal Fan – 630	38–39

Dimensions	Page
Axial fan with finger guard and fan housing (CFA Series)	17
Axial fan with finger guard (CFW Series)	18
Axial fan (CFS Series)	19
Centrifugal fan with support bracket (CBA Series)	40
Centrifugal fan (CBI Series)	41

Wire Connection	Page
TYPE A	42
TYPE B	43
TYPE C	44
TYPE D (Cable)	45
TYPE E (Cable)	45

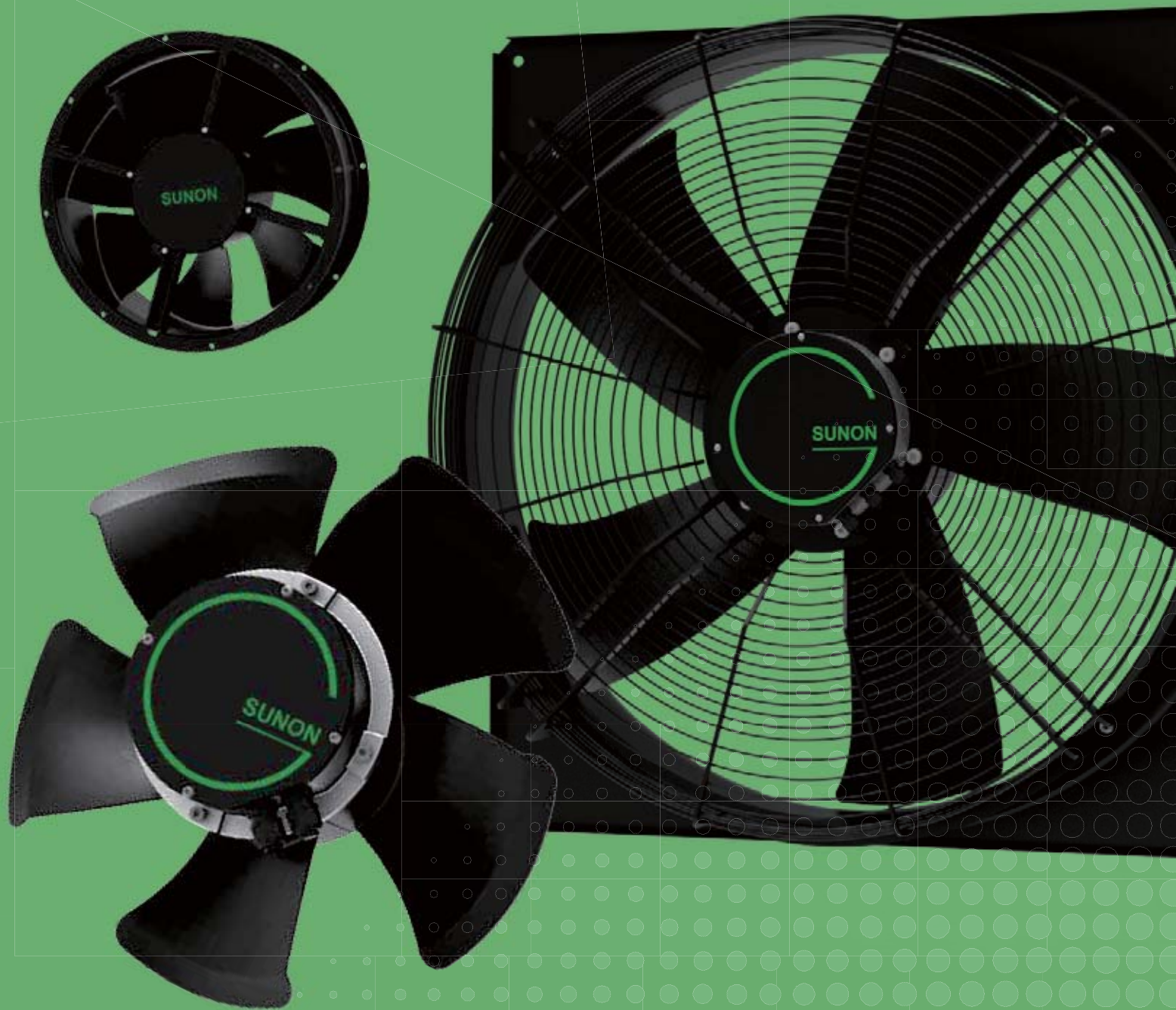
Green EC Fans Model Numbering System



Certification



- ※ Note : For critical or extreme environments, including non stop operation, please contact SUNON and we will gladly provide assistance with your product selection to ensure an appropriate cooling product for your application.
- ※ Note : The "Life Expectancy" of the fan has not been evaluated for use in combination with any end application. Therefore, the Life Expectancy Test Reports(L10 and MTTF Report) that relate to the fan are only for reference.



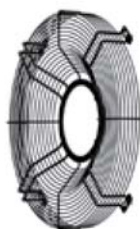
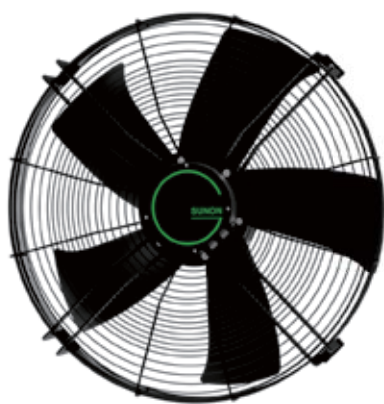
GREEN EC Fan Product Modules

Axial Fan



CFS series

Motor with Impeller



CFW series

Finger Guard + Motorized Impeller

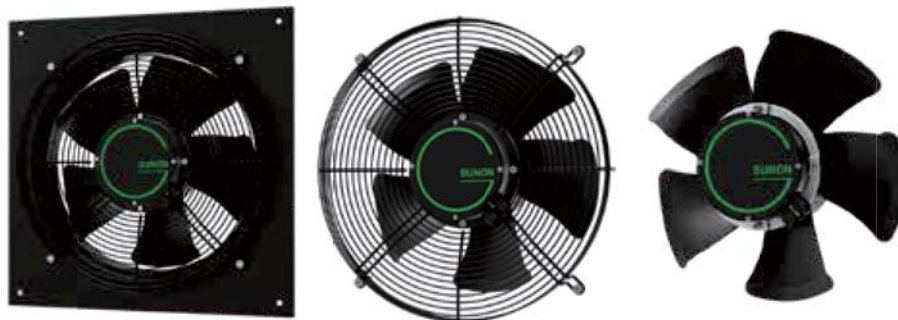


CFA series

Finger Guard + Motorized Impeller + Fan Housing

Axial Fan – 400

Material & Mechanical



	CFAA340GE-1000U-IJ9	CFWA340GE-1000U-IJ9	CFS340GE-1000U-IJ9
Overall dimension	540X540X165MM	Ø 524X165MM	Ø 394X164.5MM
Weight (ref.)	11.3 KG	8.0 KG	6.3 KG
Frame	Steel	NA	NA
Fan guard	Steel	Steel	NA
Impeller	PA66+25%GF		
Electronics Housing	Die-cast aluminum		
Number of Blades	5		
Direction of Rotation	Counter clockwise from blade side		
Installation Position	Shaft horizontal or rotor on bottom; rotor on top on request		
Condensation Drainage Holes	On rotor side		
Mode	S1		
Bearing System	Ball bearing system		

Specifications

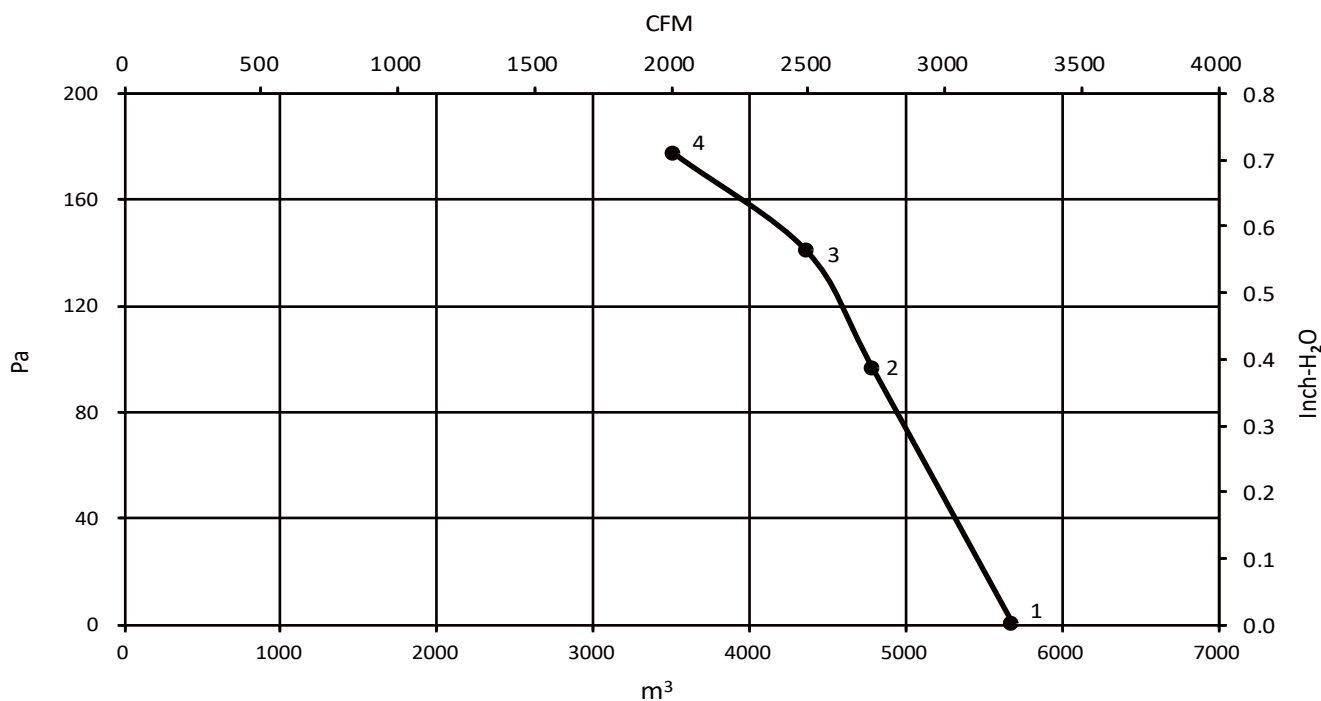
Part Number	Rated Voltage	Freq.	Max. Current	Max. Power Consumption	Fan Speed	Ambient Temperature	Noise @ Free Air	Connect Type
	(VAC)	(Hz)	(A)	(W)	(RPM)	(°C)	(dB(A))	
CFAA340GE-1000U-IJ9	1~200~277	50/60	2.19	498	1650	-25~+60	72	C
CFWA340GE-1000U-IJ9								
CFS340GE-1000U-IJ9								

Safety:CE/TUV/UKCA/cUL/UL/CCC

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

■ Air Flow & Static Pressure Curve



■ Measure Data

Index	Static Pressure		Air Volume		Speed	Power	Current	Lp
	(Pa)	(Inch-H ₂ O)	(m ³ /h)	(CFM)	(RPM)	(W)	(A)	(dB(A))
1	0	0.00	5687	3347	1650	393	1.73	72
2	96	0.38	4792	2821	1650	448	1.97	
3	140	0.56	4366	2570	1650	470	2.06	
4	177	0.71	3521	2072	1650	498	2.19	

Test Condition :
 Input Voltage : Nominal Voltage
 Temperature : Room temperature
 Measured without fan-guard
 Noise (Lp) is measured at a distance of one meter from the inlet side

■ ErP Directive

	Actual	2026
Over all Eff (%)	36.2	36.1
Eff Grade (N)	50.2	50
Power (kW)	0.47	
Air Flow (m ³ /h)	4366	
Pressure (Pa)	140	
Speed (RPM)	1650	

NOTE : The airflow and static pressure are measured with SUNON's specific fixture.

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

Axial Fan – 500

Material & Mechanical



	CFAP550KG-1000U-IJ9 CFAA350KG-1000U-IJ9	CFWP550HG-1000U-IJ9 CFAA350HG-1000U-IJ9	CFS550HG-1000U-IJ9 CFAA350HG-1000U-IJ9
Overall dimension	656X656X191 MM	Ø 565X179 MM	Ø 497X179 MM
Weight (ref.)	18.8 KG	12.3 KG	9.5 KG
Frame	Steel	NA	NA
Fan guard	Steel	Steel	NA
Impeller	PA66+25%GF		
Electronics Housing	Die-cast aluminum		
Number of Blades	5		
Direction of Rotation	Counter clockwise from blade side		
Installation Position	Shaft horizontal or rotor on bottom; rotor on top on request		
Condensation Drainage Holes	On rotor side		
Mode	S1		
Bearing System	Ball bearing system		

Specifications

Part Number	Rated Voltage (VAC)	Freq. (Hz)	Max. Current (A)	Max. Power Consumption (W)	Fan Speed (RPM)	Ambient Temperature (°C)	Noise @ Free Air (dB(A))	Connect Type	Characteristic Curve
CFAP550KG-1000U-IJ9	3~380-480	50/60	2.00	1,217	1,970	-25~+60	83.5	B	A
CFWP550HG-1000U-IJ9									
CFS550HG-1000U-IJ9									

Safety:CE/TUV/UKCA/cUL/UL

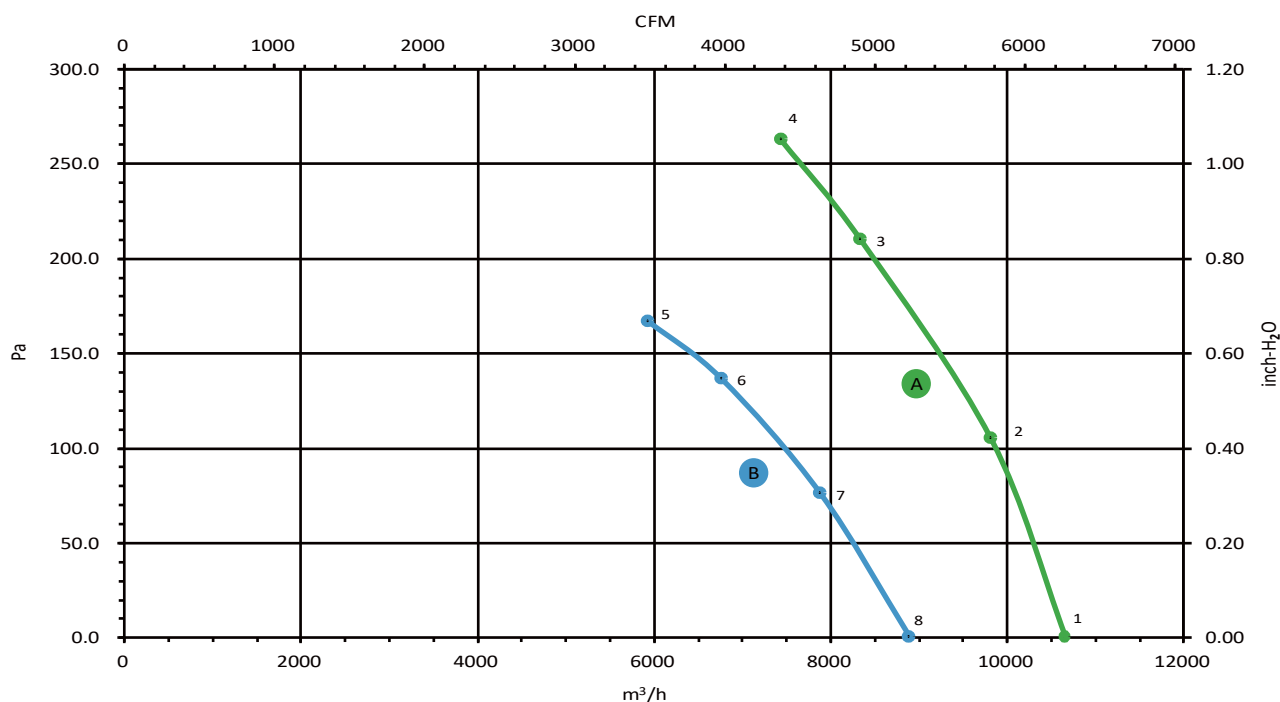
Part Number	Rated Voltage (VAC)	Freq. (Hz)	Max. Current (A)	Max. Power Consumption (W)	Fan Speed (RPM)	Ambient Temperature (°C)	Noise @ Free Air (dB(A))	Connect Type	Characteristic Curve
CFAA350KG-1000U-IJ9	1~ 200-277	50/60	3.08	707	1,620	-25~+60	79.3	C	B
CFWA350HG-1000U-IJ9									
CFAA350HG-1000U-IJ9									

Safety:CE/TUV/UKCA/cUL/UL/CCC

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

■ Air Flow & Static Pressure Curve



■ Measure Data

Index	Static Pressure		Air Volume		Speed	Power	Current	Lp
	(Pa)	(Inch-H ₂ O)	(m ³ /h)	(CFM)	(RPM)	(W)	(A)	(dB(A))
1	0	0	10670	6276	1970	853	1.45	83.5
2	105	0.42	9823	5778	1970	1028	1.72	
3	210	0.84	8344	4908	1970	1175	1.94	
4	262	1.05	7443	4378	1970	1217	2.00	
5	0	0	8899	5235	1620	494	2.15	79.3
6	76	0.30	7887	4639	1620	601	2.62	
7	137	0.55	6766	3980	1620	670	2.92	
8	167	0.67	5936	3492	1620	707	3.08	

Test Condition :

Input Voltage : Nominal Voltage

Temperature : Room temperature

Measured without fan-guard

Noise (Lp) is measured at a distance of one meter from the inlet side

NOTE : The airflow and static pressure are measured with SUNON's specific fixture.

■ ErP Directive

A	Actual	2026
Over all Eff (%)	44.5	40.4
Eff Grade (N)	54.1	50
Power (kW)	1.217	
Air Flow (m ³ /h)	7443	
Pressure (Pa)	262	
Speed (RPM)	1970	

B	Actual	2026
Over all Eff (%)	38.9	37.9
Eff Grade (N)	51.0	50
Power (kW)	0.70	
Air Flow (m ³ /h)	5932	
Pressure (Pa)	167	
Speed (RPM)	1620	

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

Axial Fan – 630

Material & Mechanical



	CFAP563LG-1000U-IJ9 CFAA363LG-1000U-IJ9	CFWP563LG-1000U-IJ9 CFWA363LG-1000U-IJ9	CFSP563LG-1000U-IJ9 CFSA363LG-1000U-IJ9
Overall dimension(mm)	805X805X242	Ø806X200	Ø702X200
Weight (ref.)	25.2 KG	18.0 KG	13 KG
Frame	Steel	NA	NA
Fan guard	Steel	Steel	NA
Impeller	PA66+25%GF		
Electronics Housing	Die-cast aluminum		
Number of Blades	5		
Direction of Rotation	Counter clockwise from blade side		
Installation Position	Shaft horizontal or rotor on bottom; rotor on top on request		
Condensation Drainage Holes	On rotor side		
Mode	S1		
Bearing System	Ball bearing system		

Specifications

Part Number	Rated Voltage (VAC)	Freq. (Hz)	Max. Current (A)	Max. Power Consumption (W)	Fan Speed (RPM)	Ambient Temperature (°C)	Noise @ Free Air (dB(A))	Connect Type	Characteristic Curve
CFAP563LG-1000U-IJ9 CFWP563LG-1000U-IJ9 CFSP563LG-1000U-IJ9	3~ 380-480	50/60	1.94	1,165	1,170	-25~+60	81.6	B	A

Safety:CE/TUV/UKCA/cUL/UL

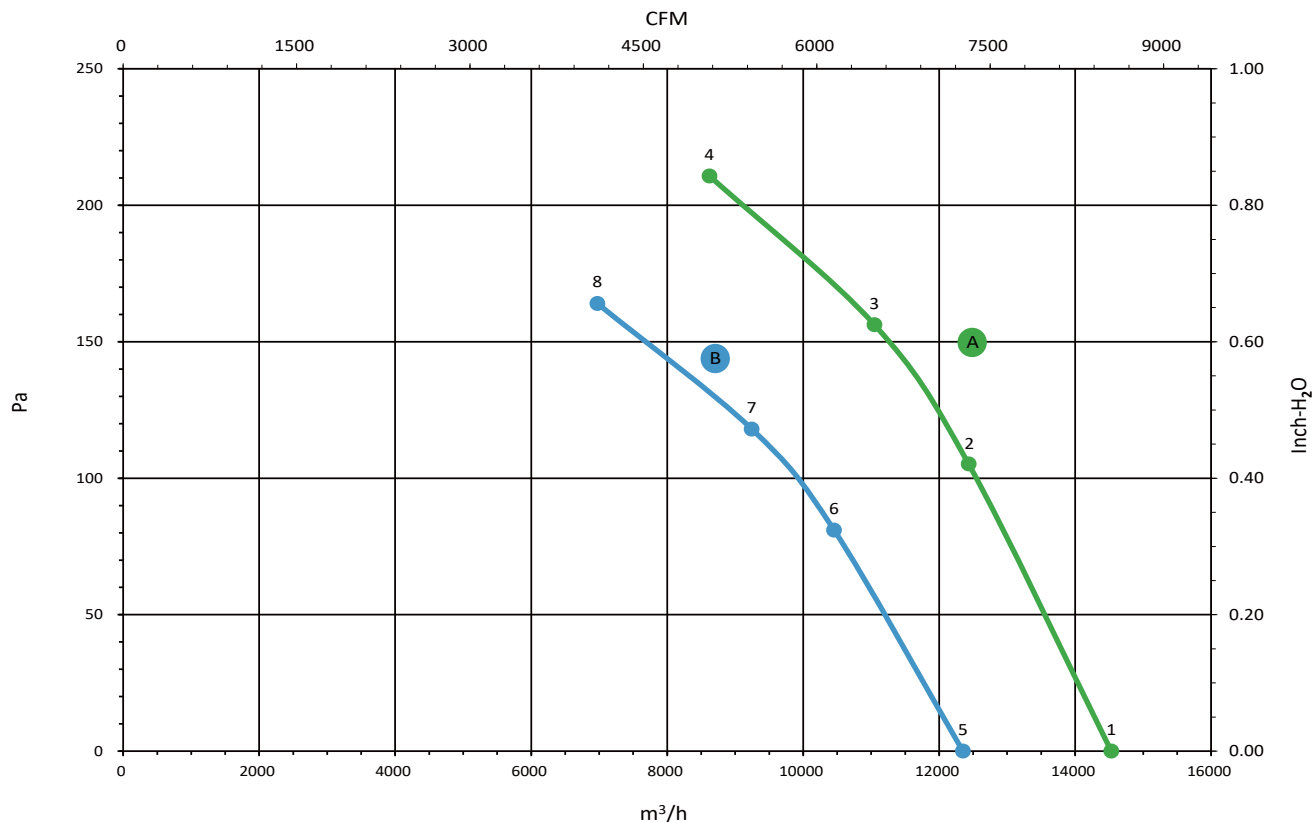
Part Number	Rated Voltage (VAC)	Freq. (Hz)	Max. Current (A)	Max. Power Consumption (W)	Fan Speed (RPM)	Ambient Temperature (°C)	Noise @ Free Air (dB(A))	Connect Type	Characteristic Curve
CFAA363LG-1000U-IJ9 CFWA363LG-1000U-IJ9 CFSA363LG-1000U-IJ9	1~ 200-277	50/60	3.3	737	1,000	-25~+60	78.2	C	B

Safety:CE/TUV/UKCA/cUL/UL

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

■ Air Flow & Static Pressure Curve



■ Measure Data

Index	Static Pressure		Air Volume		Speed	Power	Current	Lp
	(Pa)	(Inch-H ₂ O)	(m³/h)	(CFM)	(RPM)	(W)	(A)	(dB(A))
1	0	0.00	14532	8548	1170	627	1.13	81.6
2	105	0.42	12444	7320	1170	883	1.51	
3	156	0.63	11049	6500	1170	1002	1.69	
4	211	0.85	8623	5072	1170	1165	1.94	
5	0	0.00	12351	7265	1000	392	1.7	78.2
6	81	0.33	10456	6151	1000	550	2.4	
7	118	0.47	9245	5438	1000	650	2.8	
8	164	0.66	6974	4102	1000	737	3.2	

Test Condition :
 Input Voltage : Nominal Voltage
 Temperature : Room temperature
 Measured without fan-guard
 Noise (Lp) is measured at a distance of one meter from the inlet side

NOTE : The airflow and static pressure are measured with SUNON's specific fixture.

■ ErP Directive

A	Actual	2026
Over all Eff (%)	47.8	39.5
Eff Grade (N)	58.3	50
Power (kW)	1.002	
Air Flow (m³/h)	11049	
Pressure (Pa)	156	
Speed (RPM)	1170	

B	Actual	2026
Over all Eff (%)	46.4	37.5
Eff Grade (N)	58.9	50
Power (kW)	0.650	
Air Flow (m³/h)	9245	
Pressure (Pa)	118	
Speed (RPM)	1000	

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

Axial Fan – 710

Material & Mechanical



	CFAP571MH-1000U-IJ9	CFWP571MH-1000U-IJ9	CFSP571LH-1000U-IJ9
Overall dimension	850X850X279 MM	Ø827X250 MM	Ø756X243 MM
Weight (ref.)	40.8 KG	30.0 KG	25.5 KG
Frame	Steel	NA	NA
Fan guard	Steel	Steel	NA
Impeller	PA66+25%GF		
Electronics Housing	Die-cast aluminum		
Number of Blades	5		
Direction of Rotation	Counter clockwise from blade side		
Installation Position	Shaft horizontal or rotor on bottom; rotor on top on request		
Condensation Drainage Holes	On rotor side		
Mode	S1		
Bearing System	Ball bearing system		

Specifications

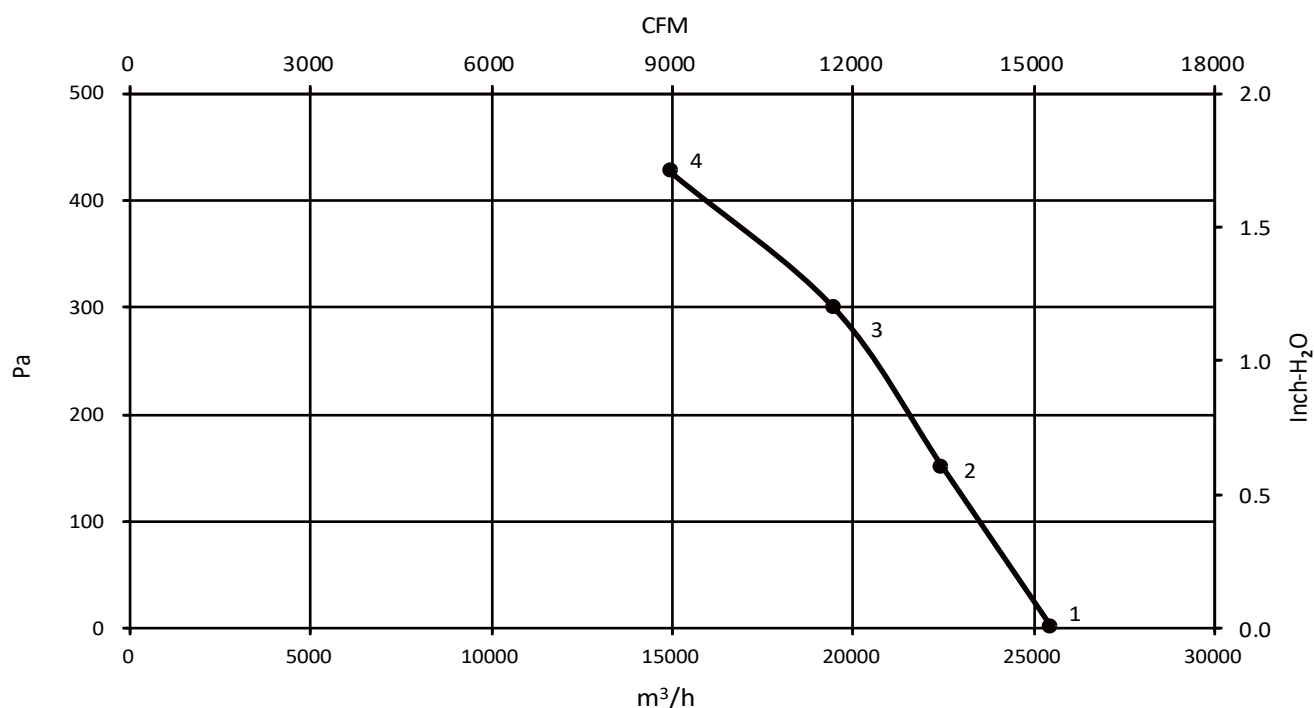
Part Number	Rated Voltage (VAC)	Freq. (Hz)	Max. Current (A)	Max. Power Consumption (W)	Fan Speed (RPM)	Ambient Temperature (°C)	Noise @ Free Air (dB(A))	Connect Type
CFAP571MH-1000U-IJ9	3~ 380-480	50/60	5.8	3,800	1,680	-25~+60	86	A
CFWP571MH-1000U-IJ9								
CFSP571LH-1000U-IJ9								

Safety:CE/TUV/UKCA/cUL/UL

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

■ Air Flow & Static Pressure Curve



■ Measure Data

Index	Static Pressure		Air Volume		Speed	Power	Current	Lp
	(Pa)	(Inch-H ₂ O)	(m ³ /h)	(CFM)	(RPM)	(W)	(A)	(dB(A))
1	0	0	25500	15000	1680	2150	3.35	86
2	149	0.6	22500	13235	1680	2780	4.28	
3	299	1.2	19499	11470	1680	3366	5.15	
4	426	1.71	14999	8823	1680	3800	5.8	

Test Condition :
 Input Voltage : Nominal Voltage
 Temperature : Room temperature
 Measured without fan-guard
 Noise (Lp) is measured at a distance of one meter from the inlet side

■ ErP Directive

	Actual	2026
Over all Eff (%)	46.7	45.6
Eff Grade (N)	51.1	50
Power (kW)	3.8	
Air Flow (m ³ /h)	14999	
Pressure (Pa)	426	
Speed (RPM)	1680	

NOTE : The airflow and static pressure are measured with SUNON's specific fixture.

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

Axial Fan – 800

Material & Mechanical



	CFAP580NH-1000U-IJ9	CFWP580MH-1000U-IJ9	CFSP580LH-1000U-IJ9
Overall dimension	970X970X341 MM	Ø 933X288 MM	Ø 859X243 MM
Weight (ref.)	48.5 KG	36.3 KG	27.3 KG
Frame	Steel	NA	NA
Fan guard	Steel	Steel	NA
Impeller	PA66+25%GF		
Electronics Housing	Die-cast aluminum		
Number of Blades	5		
Direction of Rotation	Counter clockwise from blade side		
Installation Position	Shaft horizontal or rotor on bottom; rotor on top on request		
Condensation Drainage Holes	On rotor side		
Mode	S1		
Bearing System	Ball bearing system		

Specifications

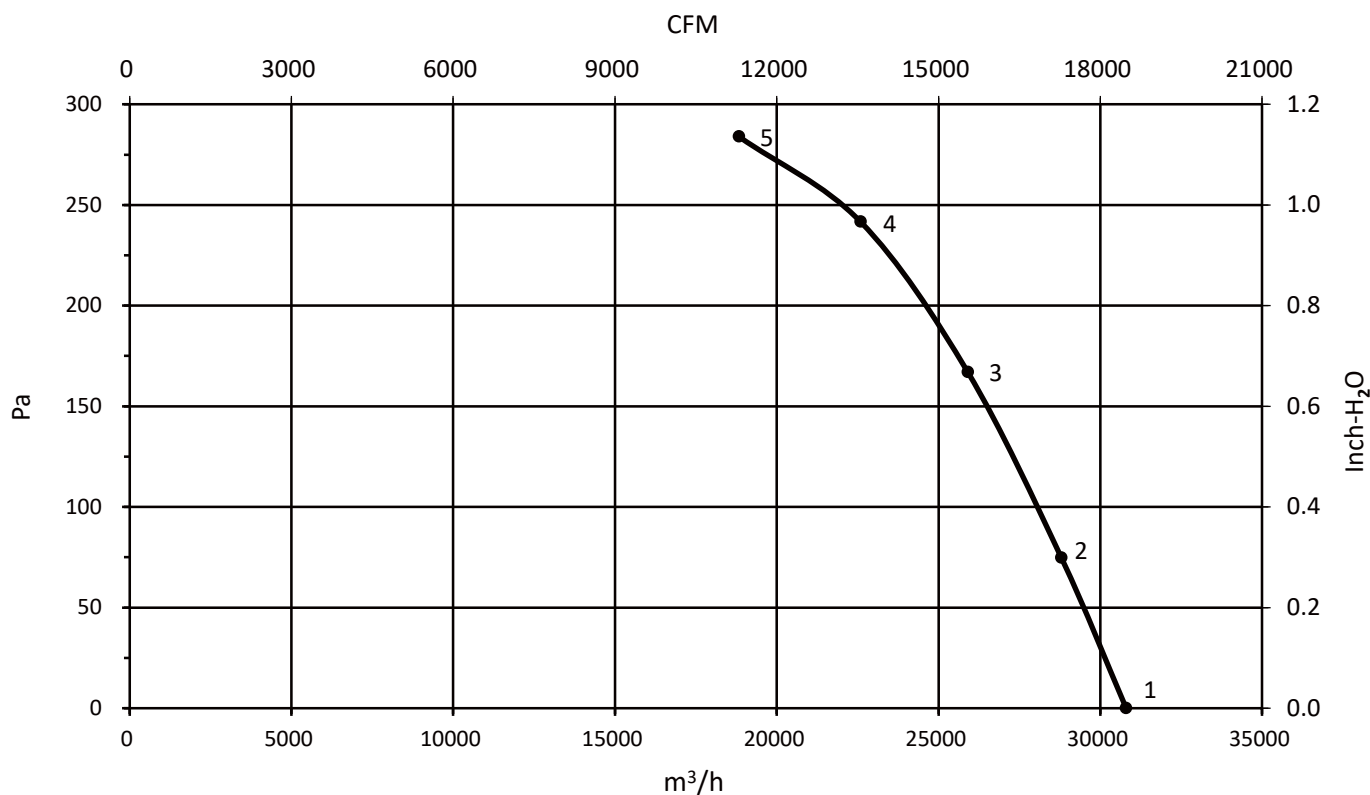
Part Number	Rated Voltage	Freq.	Max. Current	Max. Power Consumption	Fan Speed	Ambient Temperature	Noise @ Free Air	Connect Type
	(VAC)	(Hz)	(A)	(W)	(RPM)	(°C)	(dB(A))	
CFAP580NH-1000U-IJ9	3~ 380-480	50/60	5.79	3,469	1,160	-25~+60	90	A
CFWP580MH-1000U-IJ9								
CFSP580LH-1000U-IJ9								

Safety:CE/TUV/UKCA/cUL/UL

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

■ Air Flow & Static Pressure Curve



■ Measure Data

Index	Static Pressure		Air Volume		Speed	Power	Current	Lp
	(Pa)	(Inch-H ₂ O)	(m³/h)	(CFM)	(RPM)	(W)	(A)	(dB(A))
1	0	0	30794	18114	1160	2629	4.67	90
2	75	0.3	28793	16937	1160	2989	5.08	
3	168	0.67	25904	15238	1160	3237	5.47	
4	243	0.97	22593	13290	1160	3349	5.62	
5	283	1.14	18834	11079	1160	3460	5.79	

Test Condition :
 Input Voltage : Nominal Voltage
 Temperature : Room temperature
 Measured without fan-guard
 Noise (Lp) is measured at a distance of one meter from the inlet side

■ ErP Directive

	Actual	2026
Over all Eff (%)	45.5	45.0
Eff Grade (N)	50.5	50
Power (kW)	3.349	
Air Flow (m³/h)	25904	
Pressure (Pa)	168	
Speed (RPM)	1160	

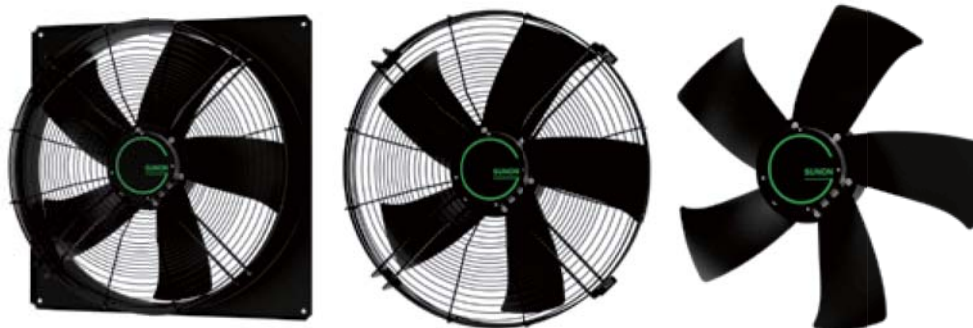
NOTE : The airflow and static pressure are measured with SUNON's specific fixture.

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

Axial Fan – 910

Material & Mechanical



	CFAP591NH-1000U-IJ9	CFWP591MH-1000U-IJ9	CFSP591LH-1000U-IJ9
Overall dimension	1070X1070X338 MM	Ø 1030X281 MM	Ø 950X243 MM
Weight (ref.)	52.3 KG	36.8 KG	26.8 KG
Frame	Steel	NA	NA
Fan guard	Steel	Steel	NA
Impeller	PA66+25%GF		
Electronics Housing	Die-cast aluminum		
Number of Blades	5		
Direction of Rotation	Counter clockwise from blade side		
Installation Position	Shaft horizontal or rotor on bottom; rotor on top on request		
Condensation Drainage Holes	On rotor side		
Mode	S1		
Bearing System	Ball bearing system		

Specifications

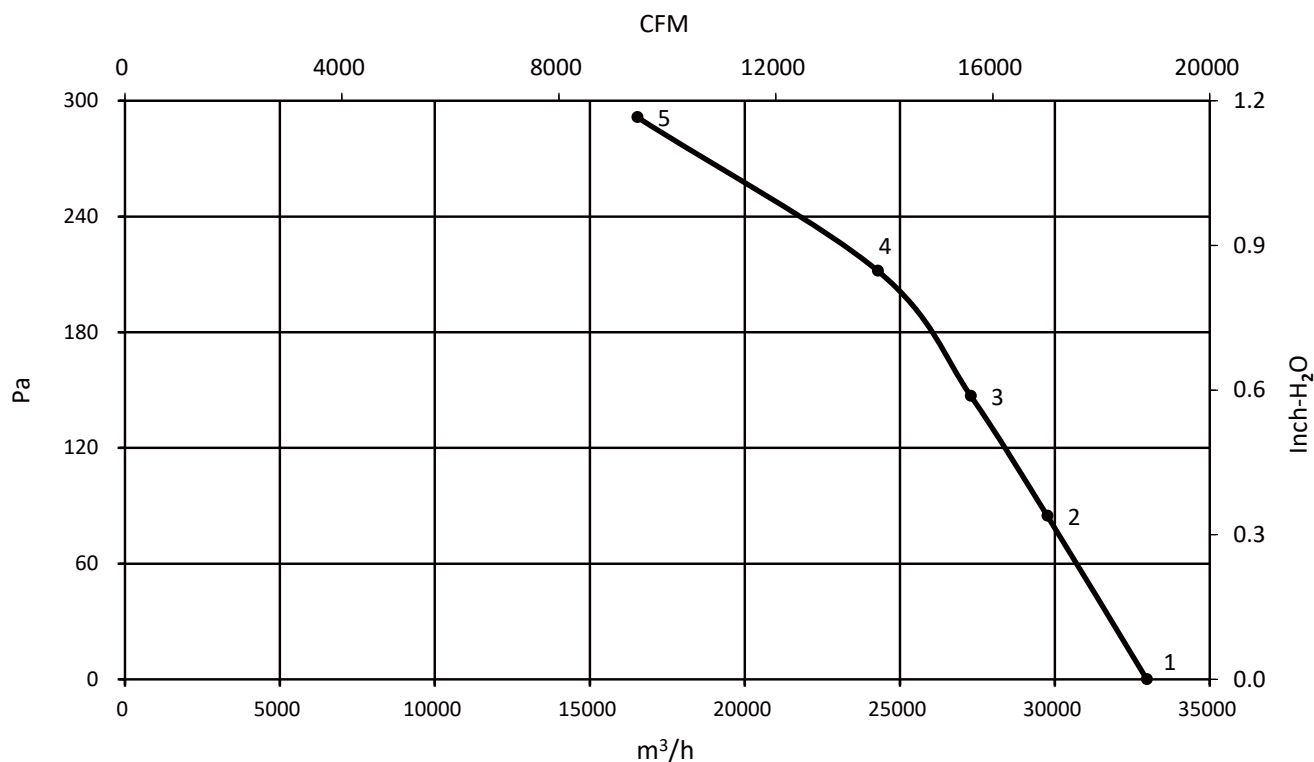
Part Number	Rated Voltage (VAC)	Freq. (Hz)	Max. Current (A)	Max. Power Consumption (W)	Fan Speed (RPM)	Ambient Temperature (°C)	Noise @ Free A (dB(A))	Connect Type
CFAP591NH-1000U-IJ9	3~ 380-480	50/60	5.15	2,989	1,080	-25~+60	82	A
CFWP591MH-1000U-IJ9								
CFSP591LH-1000U-IJ9								

Safety:CE/TUV/UKCA/cUL/UL

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

■ Air Flow & Static Pressure Curve



■ Measure Data

Index	Static Pressure		Air Volume		Speed	Power	Current	Lp
	(Pa)	(Inch-H ₂ O)	(m ³ /h)	(CFM)	(RPM)	(W)	(A)	(dB(A))
1	0	0	32964	19391	1080	1659	3.52	82
2	85	0.34	29658	17505	1080	2092	4.00	
3	148	0.59	27289	16052	1080	2376	4.29	
4	211	0.85	24295	14291	1080	2650	4.63	
5	291	1.17	16539	9729	1080	2989	5.15	

Test Condition :
 Input Voltage : Nominal Voltage
 Temperature : Room temperature
 Measured without fan-guard
 Noise (Lp) is measured at a distance of one meter from the inlet side

■ ErP Directive

	Actual	2026
Over all Eff (%)	59.7	43.9
Eff Grade (N)	53.6	50
Power (kW)	2.65	
Air Flow (m ³ /h)	24295	
Pressure (Pa)	211	
Speed (RPM)	1080	

NOTE : The airflow and static pressure are measured with SUNON's specific fixture.

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

GO GREEN.

Driving Energy Efficiency, Committed to Safety

Centered on sustainability and powered by superior EC motor technology, we deliver ultimate energy efficiency and rigorous safety, providing the most reliable green energy for equipment worldwide.

GO SUNON.

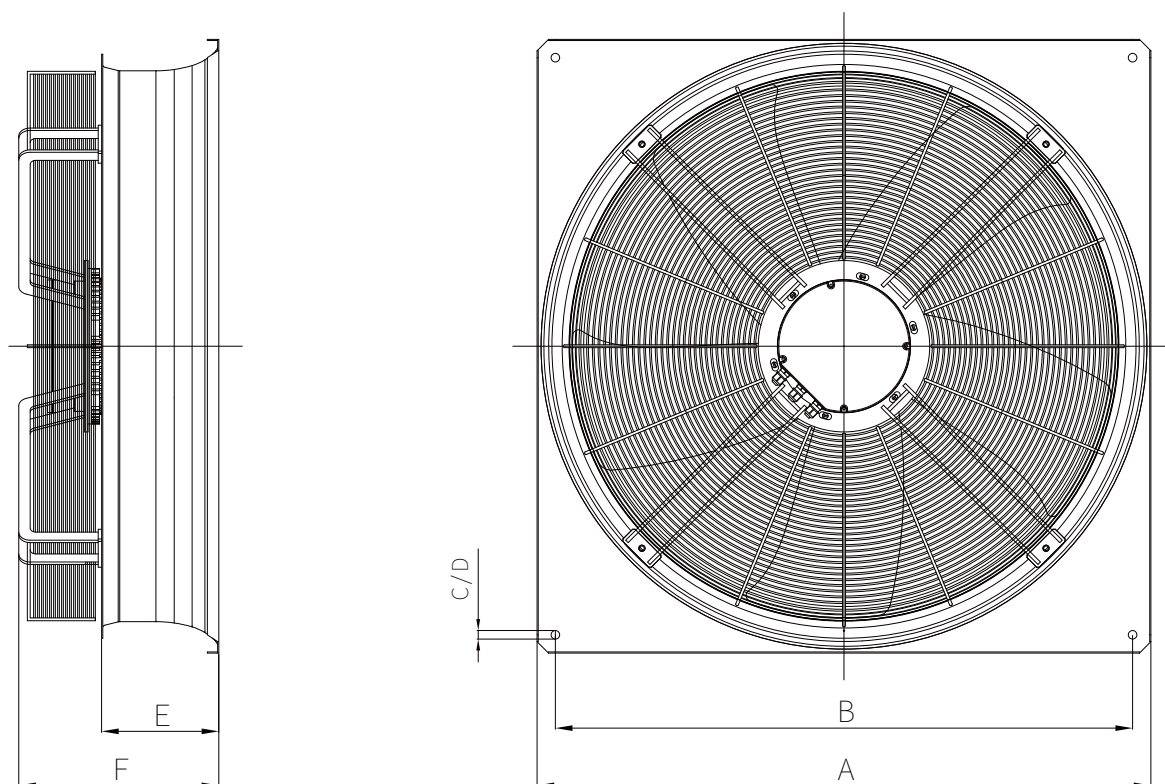
Partner with SUNON, Create New Chapters

Like the rising sun each day, SUNON sets industry standards with boundless innovation. Join us to drive a sustainable future for the industry together.



SUNON

Dimensions : Axial fan with finger guard and fan housing (CFA Series)

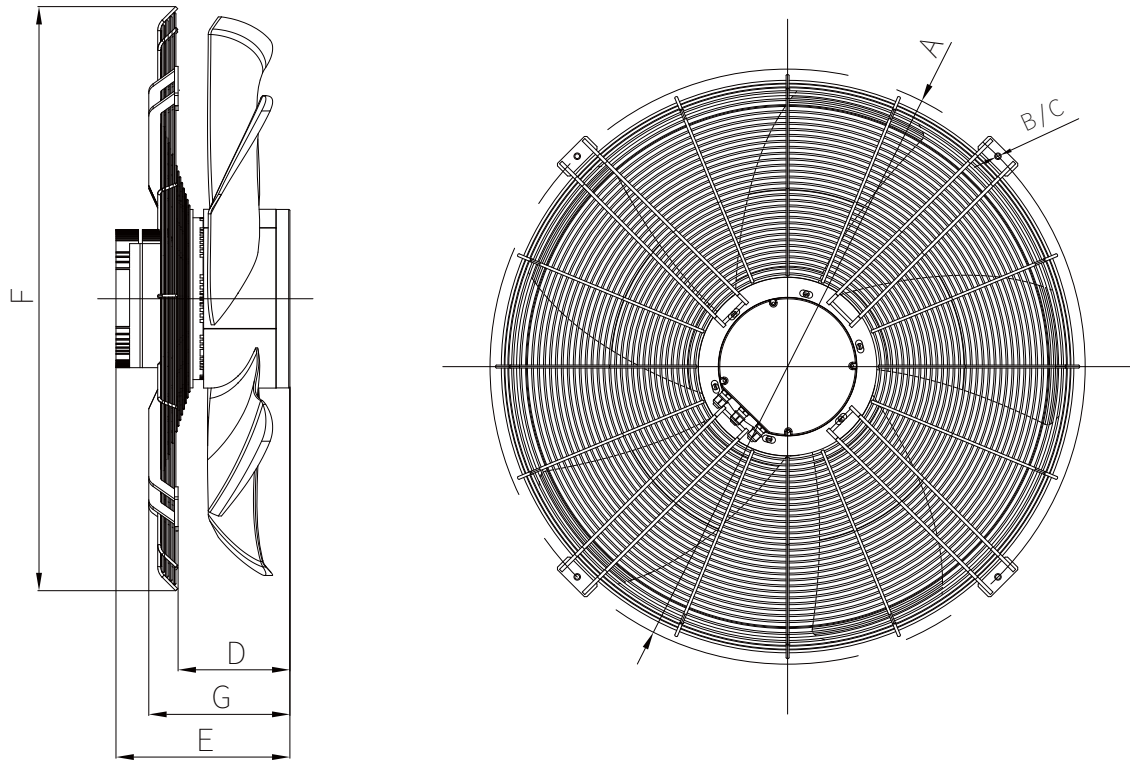


Size	Part Number	Max. Power (W)	Dimension(mm)					
			A	B	C	D (pcs)	E	F
400	CFAA340GE-1000U-IJ9	498	540	490	9	4	90	165
500	CFAA350KG-1000U-IJ9	707	656	615	11	4	115	192
	CFAP550KG-1000U-IJ9	1217	656	615	11	4	115	192
630	CFAA363LG-1000U-IJ9	737	805	750	11	4	145	242
	CFAP563LG-1000U-IJ9	1165	805	750	11	4	145	242
710	CFAP571MH-1000U-IJ9	3800	850	810	14.5	4	170	279
800	CFAP580NH-1000U-IJ9	3460	970	910	14.5	4	190	341
910	CFAP591NH-1000U-IJ9	2989	1070	1010	14.5	4	205	338

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

Dimensions : Axial fan with finger guard (CFW Series)

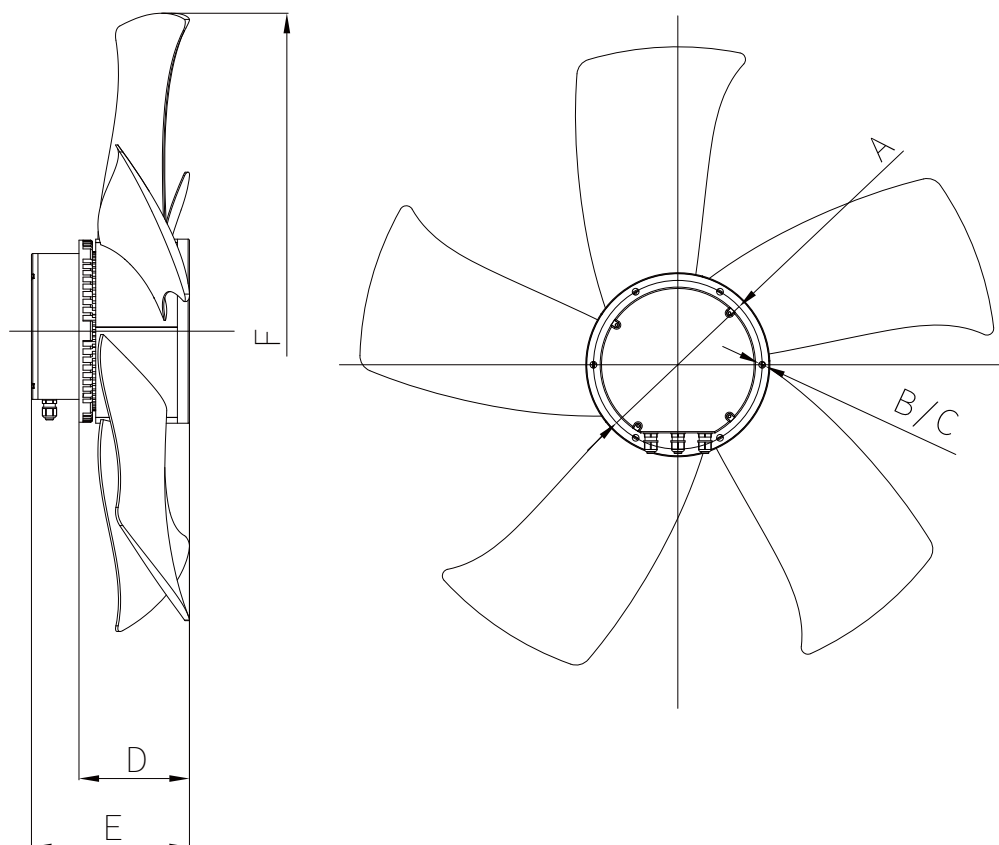


Size	Part Number	Max. Power (W)	Dimension(mm)						
			A	B	C (pcs)	D	E	F	G
400	CFWA340GE-1000U-IJ9	498	505	9	4	90	160.5	524	165
500	CFWA350HG-1000U-IJ9	707	545	10	4	103	179.5	565	179.5
	CFWP550HG-1000U-IJ9	1217	545	10	4	103	179.5	565	179.5
630	CFWA363LG-1000U-IJ9	737	778	10	4	103.5	200.5	806	200.5
	CFWP563LG-1000U-IJ9	1165	778	10	4	103.5	200.5	806	200.5
710	CFWP571MH-1000U-IJ9	3800	797	10	4	141	243	827	250
800	CFWP580MH-1000U-IJ9	3460	905	10	4	137	243	933	288
910	CFWP591MH-1000U-IJ9	2989	1000	10	4	148	243	1030	281

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

Dimensions : Axial fan (CFS Series)



Size	Part Number	Max. Power (W)	Dimension(mm)					
			A	B (Screw)	C (pcs)	D	E	F
400	CFSA340GE-1000U-IJ9	498	164	M6	4	103.7	118.5	394
500	CFSA350HG-1000U-IJ9	707	186	M6	4	107.9	179.5	497
	CFSP550HG-1000U-IJ9	1217	186	M6	4	107.9	179.5	497
630	CFSA363LG-1000U-IJ9	737	186	M6	4	128.9	200.5	702
	CFSP563LG-1000U-IJ9	1165	186	M6	4	128.9	200.5	702
710	CFSP571LH-1000U-IJ9	3800	252	M10	6	172	243	756
800	CFSP580LH-1000U-IJ9	3460	252	M10	6	172	243	859
910	CFSP591LH-1000U-IJ9	2989	252	M10	6	172	243	950

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.



GREEN EC Fan Product Modules

Centrifugal Fan



CBS series

Motor with Impeller + Inlet Ring



CBI series

Support Bracket + Motorized Impeller
+ Inlet Ring + Support Plate



CBA series



CBI series

Centrifugal Fan – 190

Material & Mechanical



	CBAP2198C-1000U-OJ9	CBAP219AC-1000U-OJ9	CBIP2196C-1000U-OJ9	CBIP2199C-1000U-OJ9
Overall dimension	216x216x85MM	216x216x105MM	Ø 190x69MM	Ø 190x91 MM
Weight (ref.)	1.5 KG	1.9 KG	1.1 KG	1.4 KG
Support Bracket	Plastic		NA	
Support Plate	Plastic		NA	
Inlet Nozzle	Plastic			
Impeller	PA66+25%GF			
Electronics Housing	Die-cast aluminum			
Number of Blades	7			
Direction of Rotation	Clockwise from blade side			
Installation Position	Shaft horizontal or rotor on bottom ; rotor on top on request			
Condensation Drainage Holes	On rotor side			
Mode	S1			
Bearing System	Ball bearing system			

Specifications

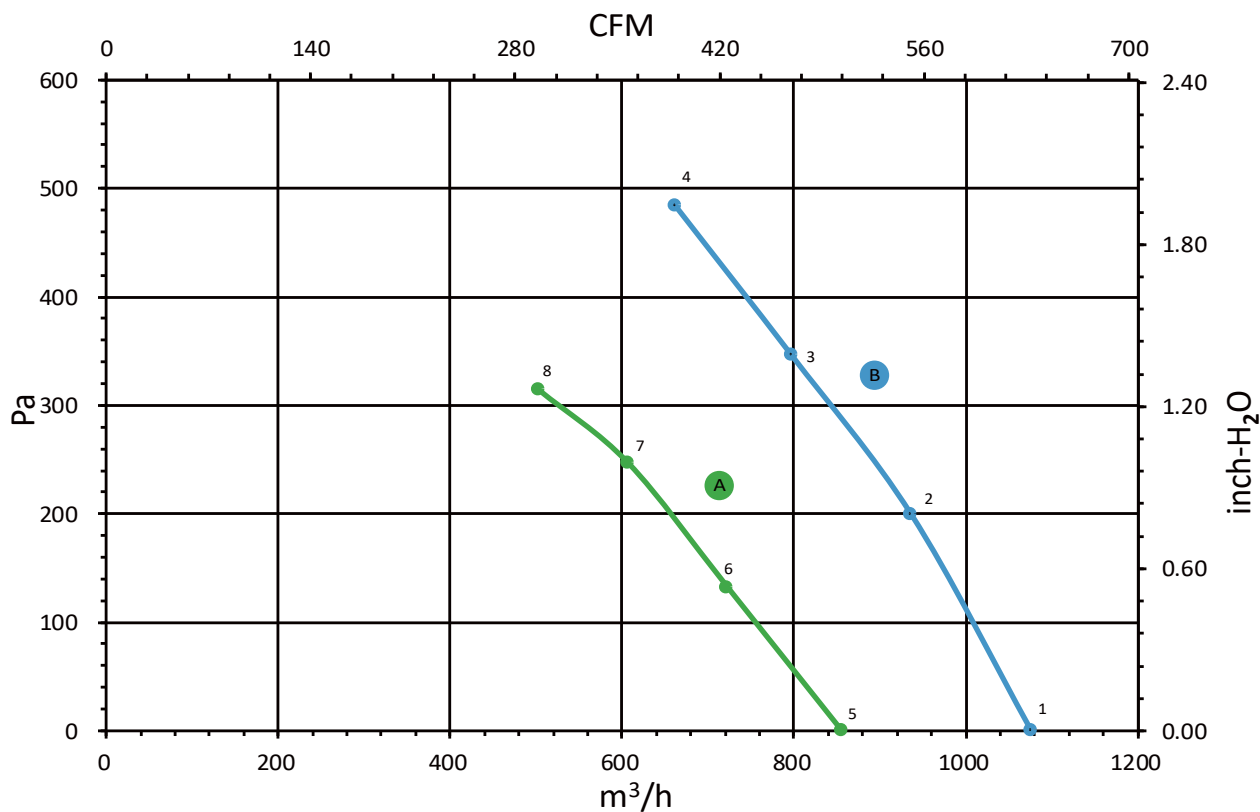
Part Number	Rated Voltage	Freq.	Max. Current	Max. Power Consumption	Fan Speed	Ambient Temperature	Noise @ Free Air	Connect Type	Characteristic Curve
	(VAC)	(Hz)	(A)	(W)	(RPM)	(°C)	(dB(A))		
CBAP2198C-1000U-OJ9	1~200-240	50/60	0.9	85	3,470	-25~+60	71	D	A
CBIP2196C-1000U-OJ9									
CBAP219AC-1000U-OJ9	1~200-240	50/60	0.74	170	4,350	-25~+60	75.8	D	B
CBIP2199C-1000U-OJ9									

Safety:CE/TUV/UKCA/cUL/UL/CCC

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

■ Air Flow & Static Pressure Curve



■ Measure Data

Index	Static Pressure		Air Volume		Speed	Power	Current	Lp
	(Pa)	(Inch-H ₂ O)	(m ³ /h)	(CFM)	(RPM)	(W)	(A)	(dB(A))
1	0	0.00	1076	633	4350	146	0.63	75.8
2	199	0.80	937	551	4350	167	0.72	
3	346	1.39	798	469	4350	170	0.73	
4	484	1.94	663	390	4350	170	0.74	
5	0	0.00	854	503	3470	77	0.83	71
6	132	0.53	723	425	3470	85	0.9	
7	246	0.99	606	357	3470	85	0.89	
8	314	1.26	503	296	3470	85	0.89	

Test Condition :

Input Voltage: Nominal Voltage

Temperature : Room temperature

Measured with inlet nozzle

Noise (Lp) is measured at a distance of one meter from the inlet side

■ ErP Directive

B	Actual	2026
Over all Eff (%)	52.3	45.4
Eff Grade (N)	70.9	64
Power (kW)	0.17	
Air Flow (m ³ /h)	663	
Pressure (Pa)	484	
Speed (RPM)	4350	

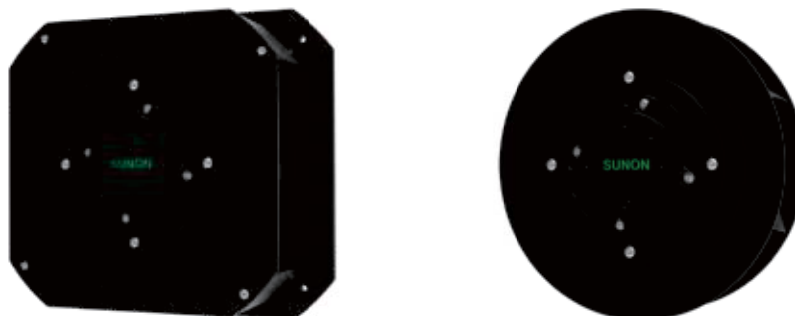
NOTE : The airflow and static pressure are measured with SUNON's specific fixture.

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

Centrifugal Fan – 225

■ Material & Mechanical



	CBAP222BC-1000U-OJ9	CBAP222DC-1000U-OJ9	CBIP2228C-1000U-OJ9	CBIP2229C-1000U-OJ9
Overall dimension	270x270x119 MM	270 X 270 X 131 MM	Ø 225x89 MM	Ø 225 X 99 MM
Weight (ref.)	1.9 KG	2.2 KG	1.4 KG	1.6 KG
Support Bracket	Plastic		NA	
Support Plate	Plastic		NA	
Inlet Nozzle	Plastic			
Impeller	PA66+25%GF			
Electronics Housing	Die-cast aluminum			
Number of Blades	7			
Direction of Rotation	Clockwise from blade side			
Installation Position	Shaft horizontal or rotor on bottom ; rotor on top on request			
Condensation Drainage Holes	On rotor side			
Mode	S1			
Bearing System	Ball bearing system			

■ Specifications

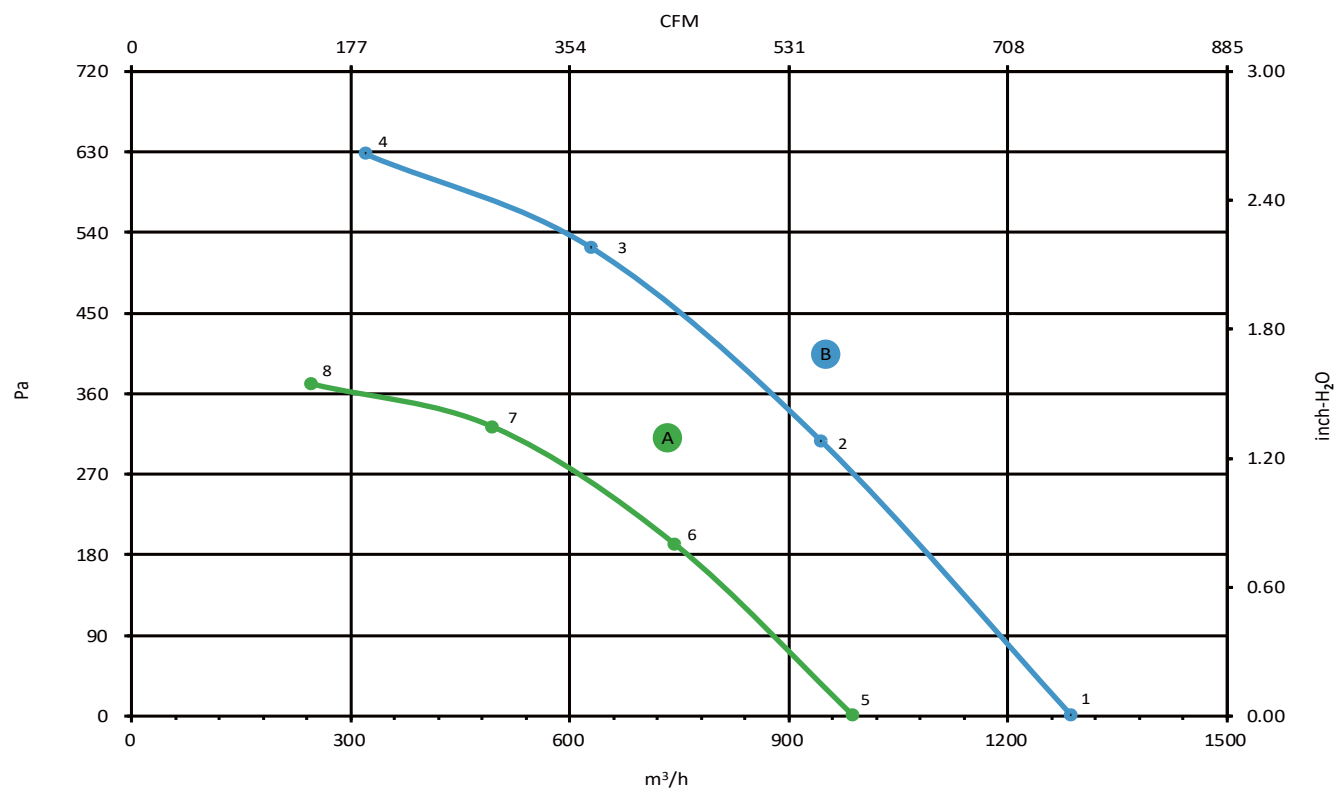
Part Number	Rated Voltage (VAC)	Freq. (Hz)	Max. Current (A)	Max. Power Consumption (W)	Fan Speed (RPM)	Ambient Temperature (°C)	Noise @ Free Air (dB(A))	Connect Type	Characteristic Curve
CBAP222BC-1000U-OJ9	1~200-240	50/60	0.36	85	2,460	-25~+60	70.6	D	A
CBIP2228C-1000U-OJ9									
CBAP222DC-1000U-OJ9	1~200-240	50/60	0.74	170	3,200	-25~+60	75.4	D	B
CBIP2229C-1000U-OJ9									

Safety:CE/TUV/UKCA/cUL/UL/CCC

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

■ Air Flow & Static Pressure Curve



■ Measure Data

Index	Static Pressure		Air Volume		Speed	Power	Current	Lp
	(Pa)	(Inch-H ₂ O)	(m ³ /h)	(CFM)	(RPM)	(W)	(A)	(dB(A))
1	0	0.00	1288	758	3200	157	0.68	75.4
2	306	1.23	946	557	3200	170	0.74	
3	522	2.10	632	372	3200	170	0.74	
4	627	2.52	323	190	3200	159	0.69	
5	0	0.00	989	582	2460	71	0.31	70.6
6	105	0.42	862	507	2460	80	0.34	
7	191	0.77	745	438	2460	83	0.36	
8	264	1.06	621	365	2460	84	0.36	

Test Condition :

Input Voltage: Nominal Voltage

Temperature : Room temperature

Measured with inlet nozzle

Noise (Lp) is measured at a distance of one meter from the inlet side

■ ErP Directive

B	Actual	2026
Over all Eff (%)	53.9	45.1
Eff Grade (N)	72.5	64
Power (kW)	0.17	
Air Flow (m ³ /h)	632	
Pressure (Pa)	522	
Speed (RPM)	3200	

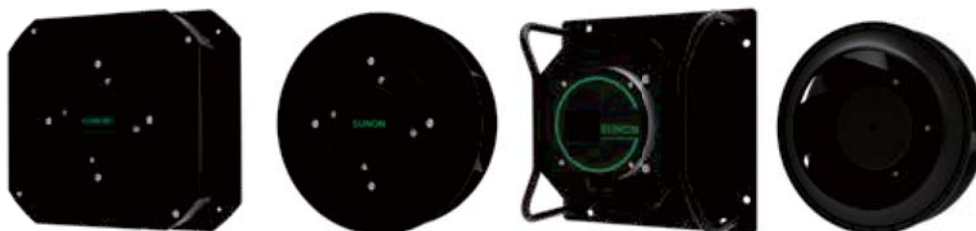
NOTE : The airflow and static pressure are measured with SUNON's specific fixture.

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

Centrifugal Fan – 250

■ Material & Mechanical



	CBA P225BC-1000U-OJ9	CBIP2259C-1000U-OJ9	CBA A325LE-1000U-IJ9	CBIA325HE-1000U-IJ9
Overall dimension	300 X 300 X 115 MM	Ø 250 X 99 MM	330X330X204 MM	Ø 250X172 MM
Weight (ref.)	2.7 KG	2.0 KG	13.9 KG	4.0 KG
Support Bracket	Plastic	NA	Steel	NA
Support Plate	Plastic	NA	Sheet Steel	NA
Inlet Nozzle	Plastic			
Impeller	PA66+25%GF			
Electronics Housing	Die-cast aluminum			
Number of Blades	7			
Direction of Rotation	Clockwise from blade side			
Installation Position	Shaft horizontal or rotor on bottom ; rotor on top on request			
Condensation Drainage Holes	On rotor side			
Mode	S1			
Bearing System	Ball bearing system			

■ Specifications

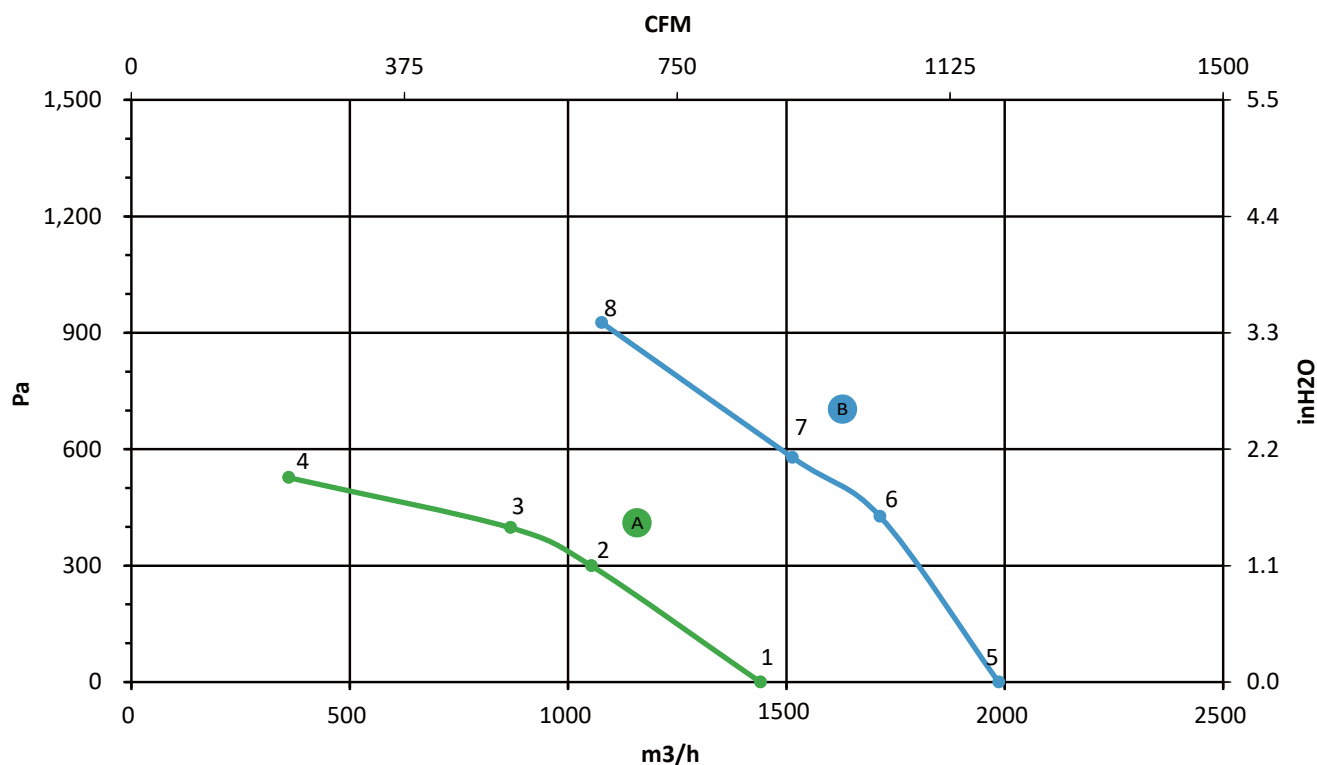
Part Number	Rated Voltage (VAC)	Freq. (Hz)	Max. Current (A)	Max. Power Consumption (W)	Fan Speed (RPM)	Ambient Temperature (°C)	Noise @ Free Air (dB(A))	Connect Type	Characteristic Curve
CBA P225BC-1000U-OJ9	1~ 200-240	50/60	1.44	170	2,650	-25~+60	75.8	D	A
CBIP2259C-1000U-OJ9									
CBA A325LE-1000U-IJ9	1~ 200-277	50/60	2.43	550	4,050	-25~+60	87.3	E	B
CBIA325FE-1000U-IJ9									

Safety:CE/TUV/UKCA/cUL/UL/CCC

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

■ Air Flow & Static Pressure Curve



■ Measure Data

Index	Static Pressure		Air Volume		Speed	Power	Current	Lp
	(Pa)	(Inch-H ₂ O)	(m ³ /h)	(CFM)	(RPM)	(W)	(A)	(dB(A))
1	0	0.00	1441	848	2650	123	1.31	75.8
2	300	1.20	1053	620	2650	170	0.74	
3	398	1.60	869	511	2650	170	0.74	
4	527	2.11	361	212	2650	135	1.44	
5	0	0.00	1986	1169	3850	528	2.32	87.3
6	427	1.71	1715	1009	3930	530	2.33	
7	579	2.33	1541	891	4050	550	2.43	
8	926	3.72	1078	634	4050	480	2.11	

Test Condition :
 Input Voltage: Nominal Voltage
 Temperature : Room temperature
 Measured with inlet nozzle
 Noise (Lp) is measured at a distance of one meter from the inlet side

NOTE : The airflow and static pressure are measured with SUNON's specific fixture.

■ ErP Directive

A	Actual	2026
Over all Eff (%)	56.5	45.4
Eff Grade (N)	75	64
Power (kW)	0.17	
Air Flow (m ³ /h)	869	
Pressure (Pa)	398	
Speed (RPM)	2650	

B	Actual	2026
Over all Eff (%)	52.5	50.6
Eff Grade (N)	65.9	64
Power (kW)	0.53	
Air Flow (m ³ /h)	1715	
Pressure (Pa)	1009	
Speed (RPM)	3930	

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

Centrifugal Fan – 310

■ Material & Mechanical



	CBA331ME-1000U-IJ9	CBAP531NE-1000U-IJ9	CBIA331LE-1000U-IJ9	CBIP531ME-1000U-IJ9
Overall dimension	390X390X207 MM	390X390X335 MM	Ø 324X224 MM	Ø 324X293 MM
Weight (ref.)	12.7 KG	13.7 KG	7.3 KG	8.3 KG
Support Bracket	Steel		NA	
Support Plate	Sheet steel		NA	
Inlet Nozzle	Galvanised sheet steel			
Impeller	Aluminum sheet			
Electronics Housing	Die-cast aluminum			
Number of Blades	6			
Direction of Rotation	Clockwise from blade side			
Installation Position	Shaft horizontal or rotor on bottom ; rotor on top on request			
Condensation Drainage Holes	On rotor side			
Mode	S1			
Bearing System	Ball bearing system			

■ Specifications

Part Number	Rated Voltage	Freq.	Max. Current	Max. Power Consumption	Fan Speed	Ambient Temperature	Noise @ Free Air	Connect Type	Characteristic Curve
	(VAC)	(Hz)	(A)	(W)	(RPM)	(°C)	(dB(A))		
CBAA331ME-1000U-IJ9	1~200~277	50/60	2.11	482	2,540	-25~+60	72	C	A
CBIA331LE-1000U-IJ9									

Safety:CE/TUV/UKCA/cUL/UL/CCC

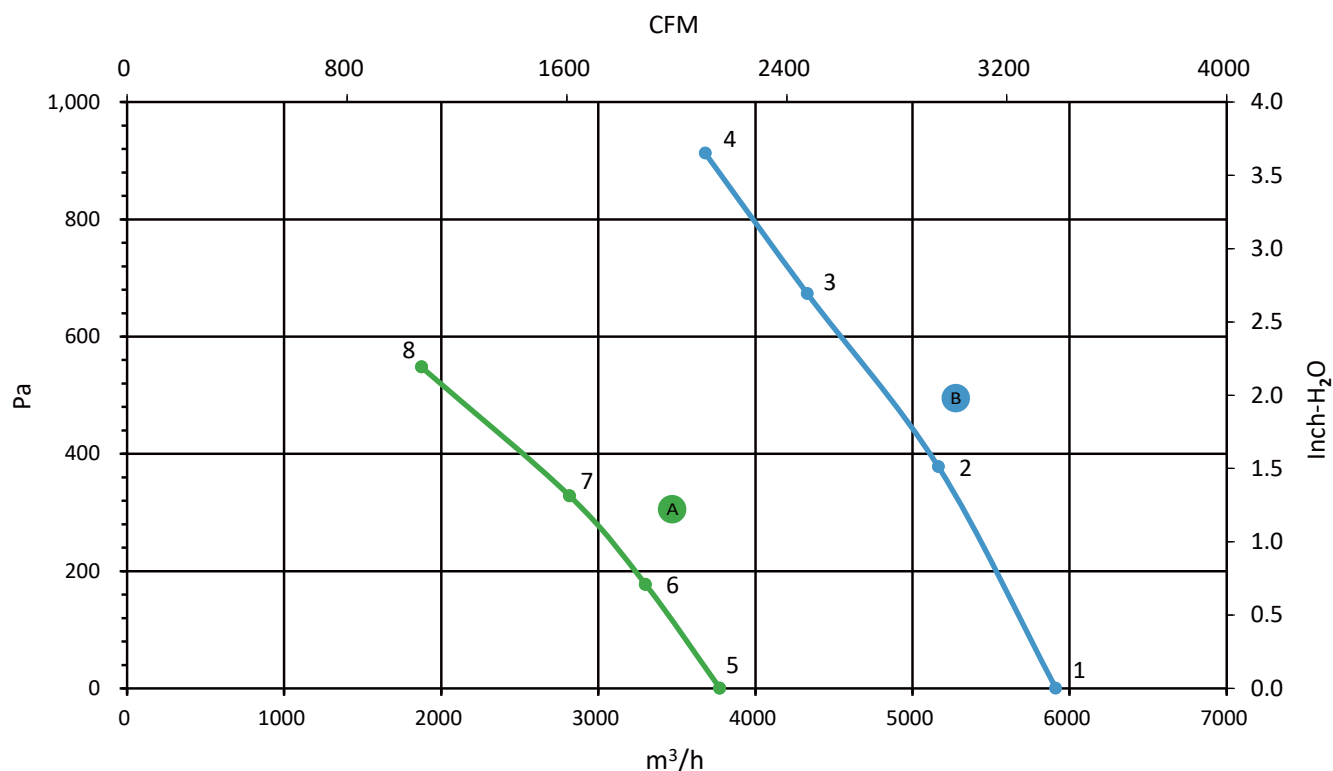
Part Number	Rated Voltage	Freq.	Max. Current	Max. Power Consumption	Fan Speed	Ambient Temperature	Noise @ Free Air	Connect Type	Characteristic Curve
CBAP531NE-1000U-IJ9	3~ 380~480	50/60	2.45	1,481	3,800	-40~+40	95	B	B
CBIP531ME-1000U-IJ9									

Safety:CE/TUV/UKCA/cUL/UL

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

■ Air Flow & Static Pressure Curve



■ Measure Data

Index	Static Pressure		Air Volume		Speed	Power	Current	Lp
	(Pa)	(Inch-H ₂ O)	(m³/h)	(CFM)	(RPM)	(W)	(A)	(dB(A))
1	0	0.00	5913	3480	3800	1330	2.20	95
2	378	1.52	5165	3045	3729	1478	2.44	
3	673	2.7	4331	2549	3611	1477	2.45	
4	913	3.66	3682	2167	3576	1481	2.45	
5	0	0.00	3774	2221	2540	444	1.95	71
6	177	0.71	3301	1943	2486	480	2.09	
7	318	1.28	2818	1659	2435	482	2.11	
8	548	2.20	1876	1104	2413	480	2.11	

Test Condition :
 Input Voltage: Nominal Voltage
 Temperature : Room temperature
 Measured with inlet nozzle
 Noise (Lp) is measured at a distance of one meter from the inlet side

NOTE : The airflow and static pressure are measured with SUNON's specific fixture.

■ ErP Directive

	Actual	2026
B		
Over all Eff (%)	63	55.3
Eff Grade (N)	71.7	64
Power (kW)	1.481	
Air Flow (m³/h)	3682	
Pressure (Pa)	913	
Speed (RPM)	3576	

	Actual	2026
A		
Over all Eff (%)	59.5	50.2
Eff Grade (N)	73.3	64
Power (kW)	0.480	
Air Flow (m³/h)	1876	
Pressure (Pa)	548	
Speed (RPM)	2540	

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

Centrifugal Fan – 355

Material & Mechanical



	CBA335ME-1000U-IJ9	CBAP535MG-1000U-IJ9	CBAP535NG-1000U-IJ9	CBI335LE-1000U-IJ9	CBIP535LG-1000U-IJ9	CBIP535MG-1000U-IJ9
Overall dimension(mm)	450X450X285	450X450X290	450X450X311	Ø 370X234	Ø 370X240	Ø 370X260
Weight (ref.)	18.5 KG	19.5 KG	25.1 KG	8.5 KG	9.5 KG	14.1 KG
Support Bracket	Steel			NA		
Support Plate	Sheet steel			NA		
Inlet Nozzle	Galvanised sheet steel					
Impeller	Aluminum sheet					
Electronics Housing	Die-cast aluminum					
Number of Blades	6					
Direction of Rotation	Clockwise from blade side					
Installation Position	Shaft horizontal or rotor on bottom ; rotor on top on request					
Condensation Drainage Holes	On rotor side					
Mode	S1					
Bearing System	Ball bearing system					

Specifications

Part Number	Rated Voltage (VAC)	Freq. (Hz)	Max. Current (A)	Max. Power Consumption (W)	Fan Speed (RPM)	Ambient Temperature (°C)	Noise @ Free Air (dB(A))	Connect Type	Characteristic Curve
CBA335ME-1000U-IJ9	1~ 200-277	50/60	2.28	519	2,000	-25~+60	83	C	A
CBI335LE-1000U-IJ9									

Safety:CE/TUV/UKCA/cUL/UL/CCC

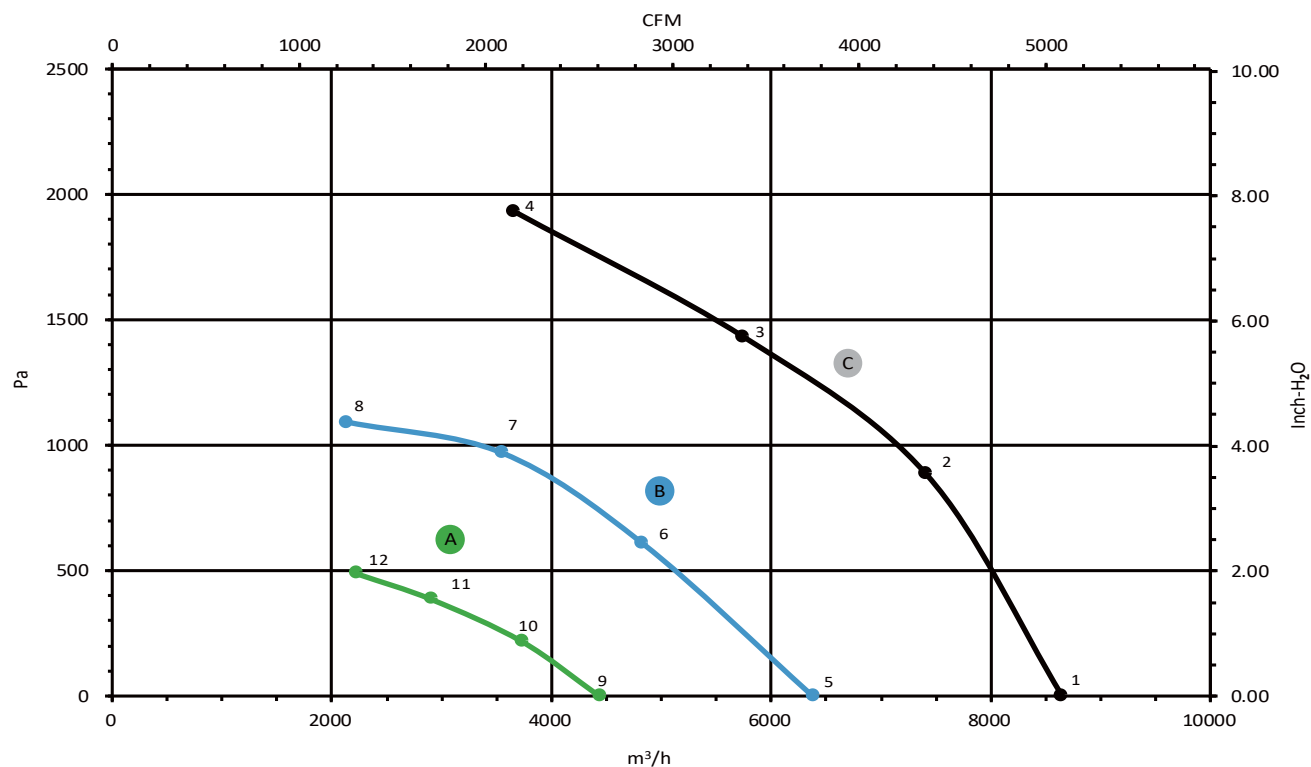
Part Number	Rated Voltage (VAC)	Freq. (Hz)	Max. Current (A)	Max. Power Consumption (W)	Fan Speed (RPM)	Ambient Temperature (°C)	Noise @ Free Air (dB(A))	Connect Type	Characteristic Curve
CBAP535MG-1000U-IJ9	3~ 380-480	50/60	2.50	1,500	2,950	-40~+40	91	B	B
CBIP535LG-1000U-IJ9									
CBAP535NG-1000U-IJ9	3~ 380-480	50/60	6.12	3,700	4,050	-40~+40	105.8	A	C
CBIP535MG-1000U-IJ9									

Safety:CE/TUV/UKCA/cUL/UL

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

■ Air Flow & Static Pressure Curve



■ Measure Data

Index	Static Pressure		Air Volume		Speed	Power	Current	Lp
	(Pa)	(Inch-H ₂ O)	(m ³ /h)	(CFM)	(RPM)	(W)	(A)	(dB(A))
1	0	0.00	8648	5087	4050	3056	5.38	105.8
2	885	3.55	7409	4358	4050	3603	6.12	
3	1431	5.74	5752	3383	4050	3700	5.98	
4	1932	7.76	3658	2152	4050	3529	5.83	
5	0	0	6388	3758	2950	1109	1.84	91
6	608	2.44	4834	2843	2950	1490	2.42	
7	969	3.89	3551	2089	2950	1500	2.50	
8	1091	4.38	2140	1259	2950	1342	2.20	
9	0	0.00	4443	2615	2000	386	1.71	83
10	219	0.88	3733	2197	2000	474	2.08	
11	387	1.55	2912	1714	2000	519	2.28	
12	490	1.97	2224	1309	2000	510	2.25	

Test Condition :

Input Voltage: Nominal Voltage

Temperature : Room temperature

Measured with inlet nozzle

Noise (Lp) is measured at a distance of one meter from the inlet side

NOTE : The airflow and static pressure are measured with SUNON's specific fixture.

■ ErP Directive

A	Actual	2026
Over all Eff (%)	60.2	50.5
Eff Grade (N)	73.7	64
Power (kW)	0.519	
Air Flow (m ³ /h)	2912	
Pressure (Pa)	387	
Speed (RPM)	2000	

B	Actual	2026
Over all Eff (%)	62.2	55.5
Eff Grade (N)	70.8	50
Power (kW)	1.50	
Air Flow (m ³ /h)	3551	
Pressure (Pa)	969	
Speed (RPM)	2950	

C	Actual	2026
Over all Eff (%)	61.7	59.5
Eff Grade (N)	66.3	64
Power (kW)	3.7	
Air Flow (m ³ /h)	5752	
Pressure (Pa)	1431	
Speed (RPM)	4050	

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

Centrifugal Fan – 400

■ Material & Mechanical



	CBAP540NG-1000U-IJ9	CBIP540MG-1000U-IJ9
Overall dimension	500X500X314 MM	Ø 418X261 MM
Weight (ref.)	23.0 KG	12.0 KG
Support Bracket	Steel	NA
Support Plate	Sheet steel	NA
Inlet Nozzle	Galvanised sheet steel	
Impeller	Aluminum Sheet	
Electronics Housing	Die-cast aluminum	
Number of Blades	6	
Direction of Rotation	Clockwise from blade side	
Installation Position	Shaft horizontal or rotor on bottom ; rotor on top on request	
Condensation Drainage Holes	On rotor side	
Mode	S1	
Bearing System	Ball bearing system	

■ Specifications

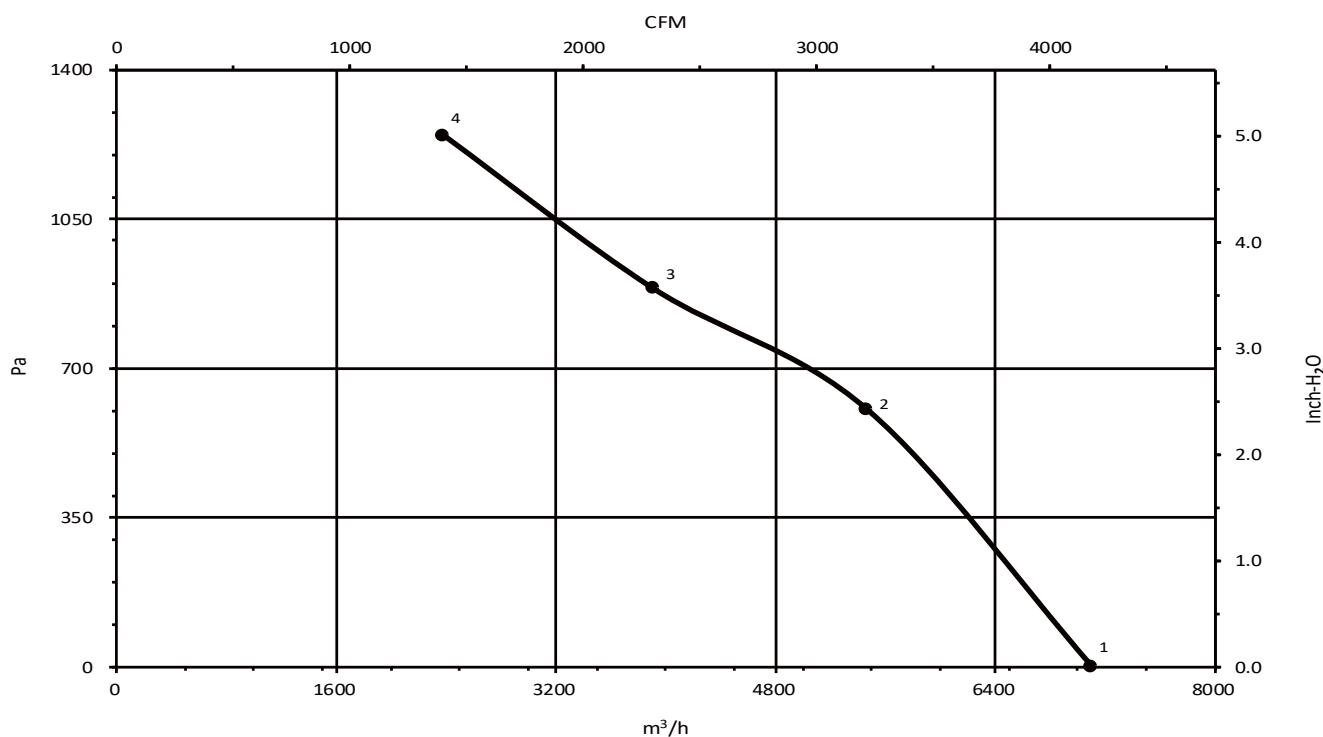
Part Number	Rated Voltage	Freq.	Max. Current	Max. Power Consumption	Fan Speed	Ambient Temperature	Noise @ Free Air	Connect Type
	(VAC)	(Hz)	(A)	(W)	(RPM)	(°C)	(dB(A))	
CBAP540NG-1000U-IJ9	3~ 380-480	50/60	2.53	1,500	2,700	-40~+40	92	B
CBIP540MG-1000U-IJ9								

Safety:CE/TUV/UKCA/cUL/UL

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

■ Air Flow & Static Pressure Curve



■ Measure Data

Index	Static Pressure		Air Volume		Speed	Power	Current	Lp
	(Pa)	(Inch-H ₂ O)	(m ³ /h)	(CFM)	(RPM)	(W)	(A)	(dB(A))
1	0	0.00	7105	4179	2700	978	1.65	92
2	602	2.42	5469	3217	2700	1500	2.53	
3	887	3.56	3907	2298	2700	1500	2.52	
4	1245	5.00	2385	1403	2700	1500	2.53	

Test Condition :
 Input Voltage: Nominal Voltage
 Temperature : Room temperature
 Measured with inlet nozzle
 Noise (Lp) is measured at a distance of one meter from the inlet side

■ ErP Directive

	Actual	2026
Over all Eff (%)	64	55.3
Eff Grade (N)	72.8	64
Power (kW)	1.5	
Air Flow (m ³ /h)	3907	
Pressure (Pa)	887	
Speed (RPM)	2700	

NOTE : The airflow and static pressure are measured with SUNON's specific fixture.

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

Centrifugal Fan – 500

■ Material & Mechanical



	CBAP550PH-1000U-IJ9	CBIP550NH-1000U-IJ9
Overall dimension	590X590X395 MM	Ø 520X340 MM
Weight (ref.)	48.8 KG	26.1 KG
Support Bracket	Steel	NA
Support Plate	Sheet steel	NA
Inlet Nozzle	Galvanised sheet steel	
Impeller	Aluminum Sheet	
Electronics Housing	Die-cast aluminum	
Number of Blades	6	
Direction of Rotation	Clockwise from blade side	
Installation Position	Shaft horizontal or rotor on bottom ; rotor on top on request	
Condensation Drainage Holes	On rotor side	
Mode	S1	
Bearing System	Ball bearing system	

■ Specifications

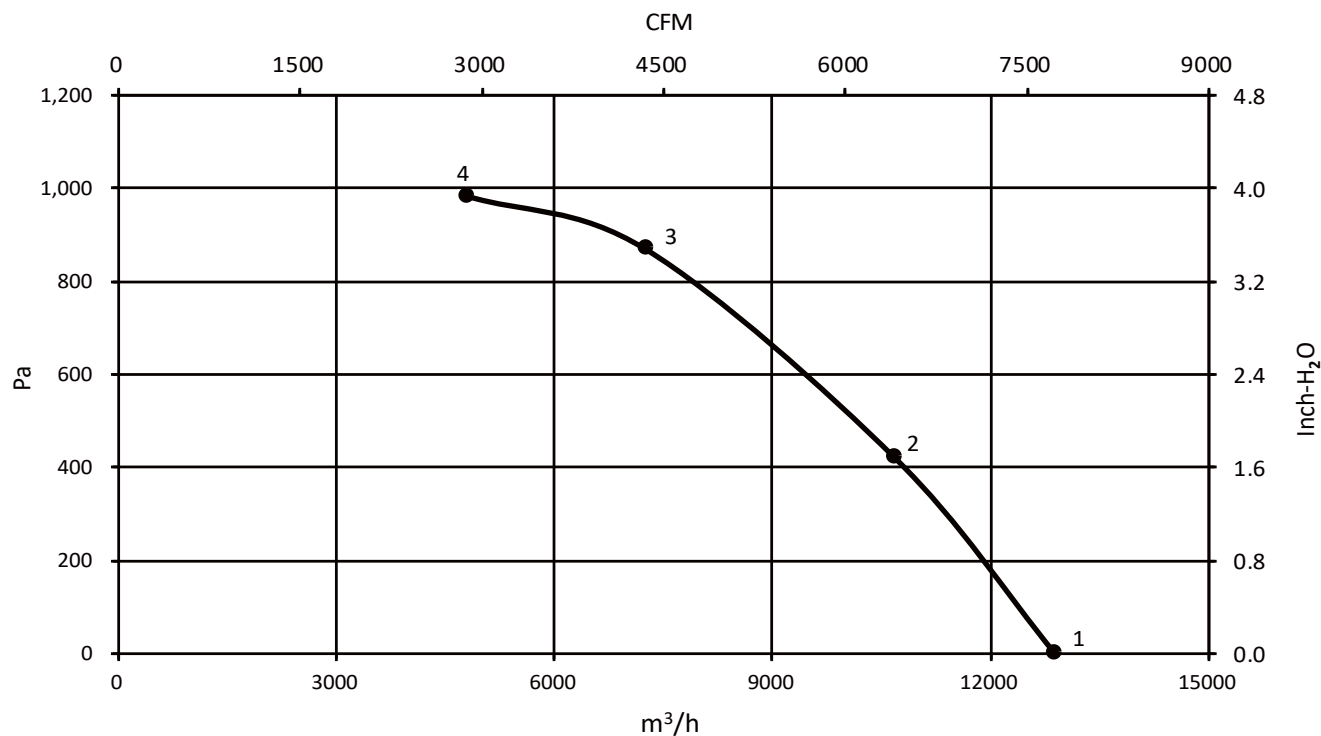
Part Number	Rated Voltage	Freq.	Max. Current	Max. Power Consumption	Fan Speed	Ambient Temperature	Noise @ Free Air	Connect Type
	(VAC)	(Hz)	(A)	(W)	(RPM)	(°C)	(dB(A))	
CBAP550PH-1000U-IJ9	3~ 380-480	50/60	4.72	2,835	1,940	-25~+60	91	A
CBIP550NH-1000U-IJ9								

Safety:CE/TUV/UKCA/cUL/UL

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

■ Air Flow & Static Pressure Curve



■ Measure Data

Index	Static Pressure		Air Volume		Speed	Power	Current	Lp
	(Pa)	(Inch-H ₂ O)	(m ³ /h)	(CFM)	(RPM)	(W)	(A)	(dB(A))
1	0	0	12891	7583	1940	2220	3.83	91
2	421	1.69	10688	6287	1940	2650	4.44	
3	869	3.49	7264	4273	1940	2835	4.72	
4	984	3.95	4796	2821	1940	2395	4.08	

Test Condition :
 Input Voltage: Nominal Voltage
 Temperature : Room temperature
 Measured with inlet nozzle
 Noise (Lp) is measured at a distance of one meter from the inlet side

■ ErP Directive

	Actual	2026
Over all Eff (%)	61.8	44.3
Eff Grade (N)	67.6	64
Power (kW)	2.835	
Air Flow (m ³ /h)	7264	
Pressure (Pa)	869	
Speed (RPM)	1940	

NOTE : The airflow and static pressure are measured with SUNON's specific fixture.

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

Centrifugal Fan – 560

Material & Mechanical



	CBAP556SH-1000U-IJ9	CBIP556RH-1000U-IJ9
Overall dimension	710X710X521 MM	Ø 583X454 MM
Weight (ref.)	51.7 KG	27.2 KG
Support Bracket	Steel	NA
Support Plate	Sheet steel	NA
Inlet Nozzle	Galvanised sheet steel	
Impeller	Aluminum Sheet	
Electronics Housing	Die-cast aluminum	
Number of Blades	6	
Direction of Rotation	Clockwise from blade side	
Installation Position	Shaft horizontal or rotor on bottom ; rotor on top on request	
Condensation Drainage Holes	On rotor side	
Mode	S1	
Bearing System	Ball bearing system	

Specifications

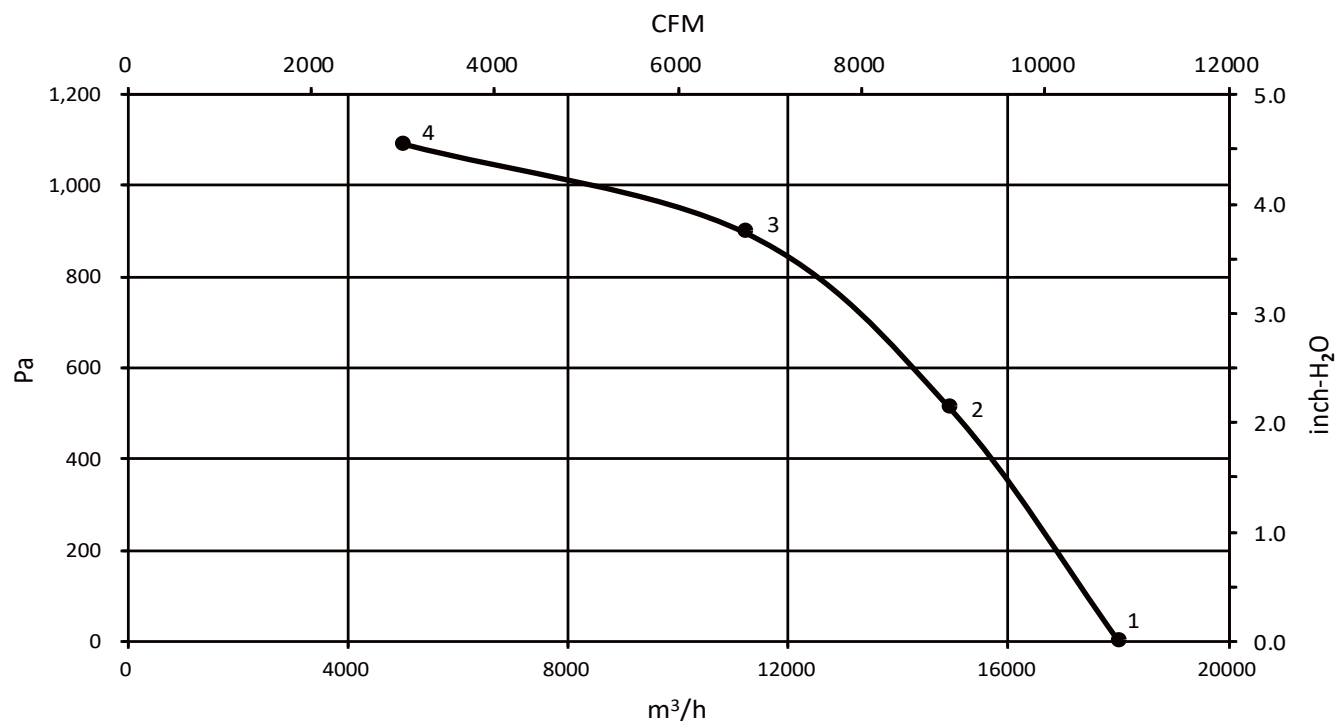
Part Number	Rated Voltage	Freq.	Max. Current	Max. Power Consumption	Fan Speed	Ambient Temperature	Noise @ Free Air	Connect Type
	(VAC)	(Hz)	(A)	(W)	(RPM)	(°C)	(dB(A))	
CBAP556SH-1000U-IJ9	3~ 380-480	50/60	7.06	4,172	1,850	-25~+60	92	A
CBIP556RH-1000U-IJ9								

Safety:CE/TUV/UKCA/cUL/UL

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

■ Air Flow & Static Pressure Curve



■ Measure Data

Index	Static Pressure		Air Volume		Speed	Power	Current	Lp
	(Pa)	(Inch-H ₂ O)	(m ³ /h)	(CFM)	(RPM)	(W)	(A)	(dB(A))
1	0	0	18034	10608	1850	2950	5.04	92
2	513	2.06	14946	8792	1850	3785	6.25	
3	897	3.60	11235	6609	1850	4172	6.87	
4	1091	4.38	5027	2957	1850	3474	7.06	

Test Condition :

Input Voltage: Nominal Voltage

Temperature : Room temperature

Measured with inlet nozzle

Noise (Lp) is measured at a distance of one meter from the inlet side

■ ErP Directive

	Actual	2026
Over all Eff (%)	67	46
Eff Grade (N)	71	64
Power (kW)	4.172	
Air Flow (m ³ /h)	11235	
Pressure (Pa)	897	
Speed (RPM)	1850	

NOTE : The airflow and static pressure are measured with SUNON's specific fixture.

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

Centrifugal Fan – 630

■ Material & Mechanical



	CBAP563SH-1000U-IJ9	CBIP563RH-1000U-IJ9
Overall dimension	790X790X541 MM	Ø 653X477 MM
Weight (ref.)	56.5 KG	29.7 KG
Support Bracket	Steel	NA
Support Plate	Sheet steel	NA
Inlet Nozzle	Galvanised sheet steel	
Impeller	Aluminum Sheet	
Electronics Housing	Die-cast aluminum	
Number of Blades	6	
Direction of Rotation	Clockwise from blade side	
Installation Position	Shaft horizontal or rotor on bottom ; rotor on top on request	
Condensation Drainage Holes	On rotor side	
Mode	S1	
Bearing System	Ball bearing system	

■ Specifications

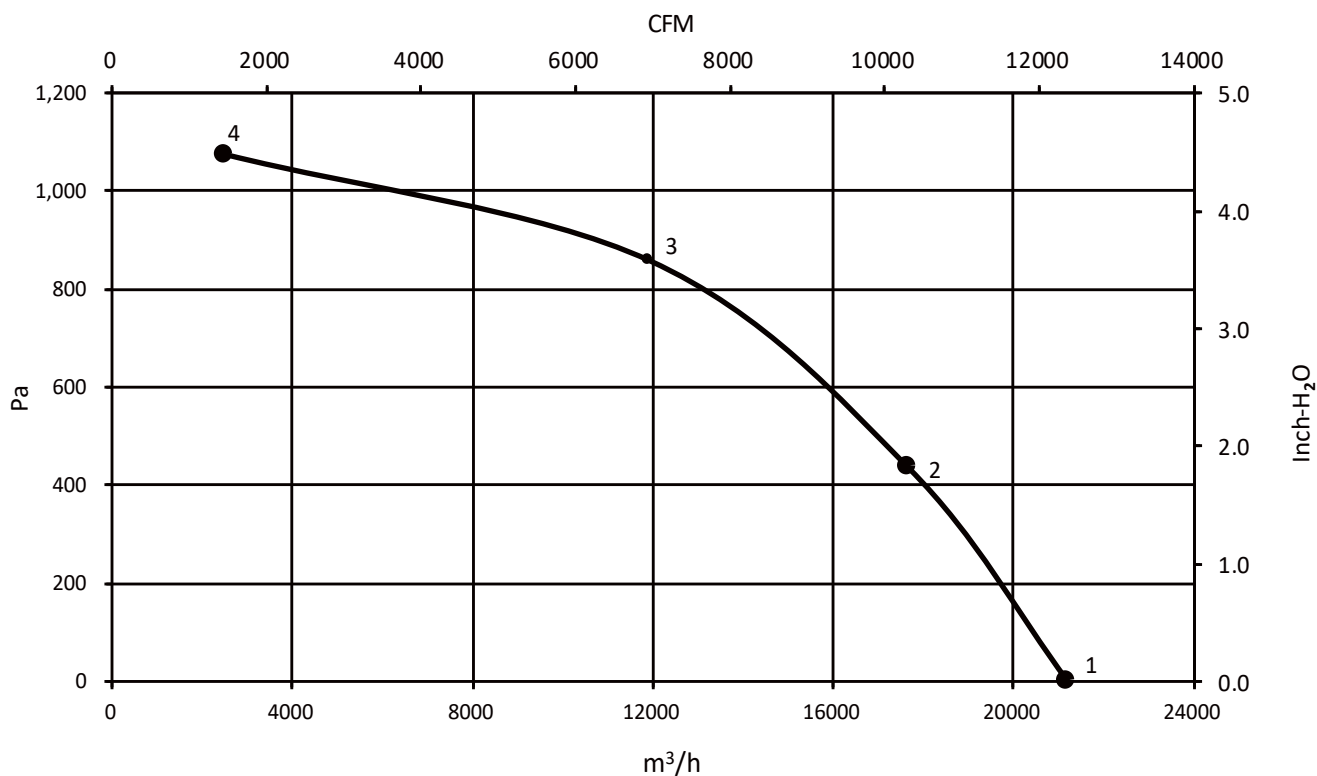
Part Number	Rated Voltage	Freq.	Max. Current	Max. Power Consumption	Fan Speed	Ambient Temperature	Noise @ Free Air	Connect Type
	(VAC)	(Hz)	(A)	(W)	(RPM)	(°C)	(dB(A))	
CBAP563SH-1000U-IJ9	3~ 380-480	50/60	6.67	4,229	1,550	-25~+50	90	A
CBIP563RH-1000U-IJ9								

Safety:CE/TUV/UKCA/cUL/UL

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

■ Air Flow & Static Pressure Curve



■ Measure Data

Index	Static Pressure		Air Volume		Speed	Power	Current	Lp
	(Pa)	(Inch-H ₂ O)	(m ³ /h)	(CFM)	(RPM)	(W)	(A)	(dB(A))
1	0	0	21211	12477	1550	3022	4.93	90
2	438	1.75	17665	10391	1550	3876	6.19	
3	857	3.44	11936	7021	1550	4229	6.67	
4	1074	4.31	2497	1469	1550	3666	4.31	

Test Condition :
 Input Voltage: Nominal Voltage
 Temperature : Room temperature
 Measured with inlet nozzle
 Noise (Lp) is measured at a distance of one meter from the inlet side

■ ErP Directive

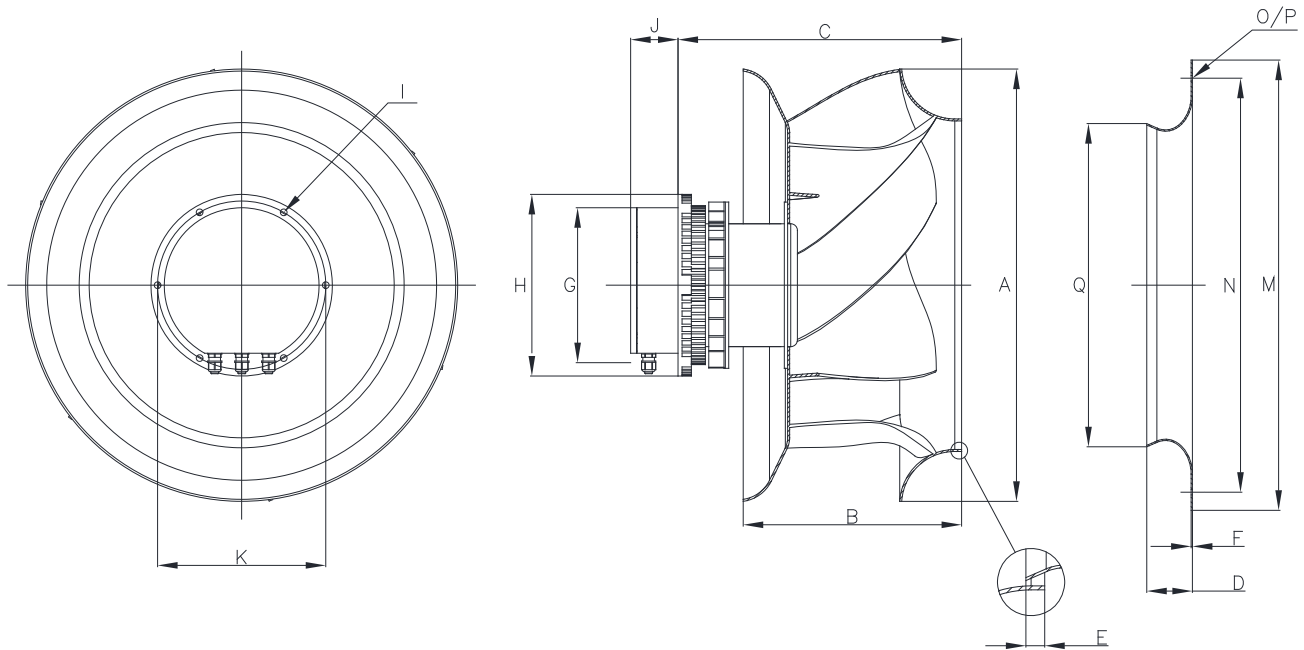
	Actual	2026
Over all Eff (%)	67.1	46.1
Eff Grade (N)	71	64
Power (kW)	4.229	
Air Flow (m ³ /h)	11936	
Pressure (Pa)	857	
Speed (RPM)	1550	

NOTE : The airflow and static pressure are measured with SUNON's specific fixture.

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

Dimensions : Centrifugal fan (CBI Series)

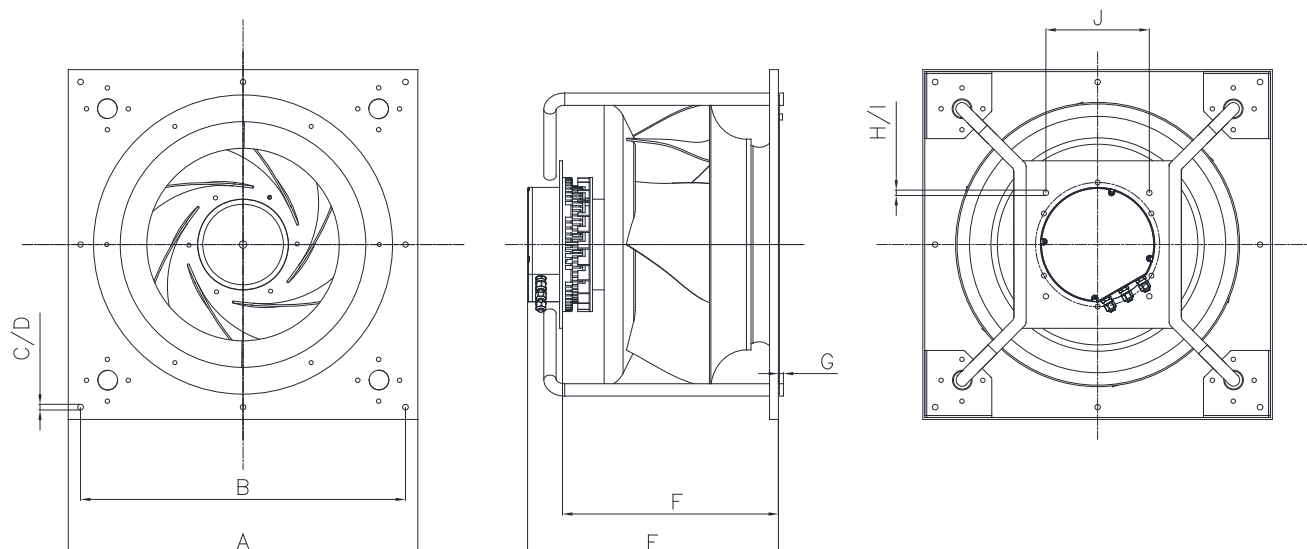


Size	Part Number	Max. Power (W)	Dimension(mm)															
			A	B	C	D	E	F	G	H	I(Screw)	J	K	M	N	O	P(pcs)	Q
190	CBIP2196C-1000U-OJ9	85	190	63	69	14	2	1.25	94	NA	M4*4pcs	NA	58	170	158	4.5	4	128
	CBIP2199C-1000U-OJ9	170	190	63	76	14	2	1.25	101	133	M4*4pcs	15	125	170	158	4.5	4	128
225	CBIP2228C-1000U-OJ9	85	225	88	89	28	2	1.5	94	NA	M4*4pcs	NA	58	223	210	4.5	4	149
	CBIP2229C-1000U-OJ9	170	225	88	99	28	2	1.5	101	133	M4*4pcs	15	125	223	210	4.5	4	149
250	CBIP2259C-1000U-OJ9	170	250	85	99	31	2	1.5	101	133	M4*4pcs	15	125	255	240	4.5	4	168
	CBIA325HE-1000U-IJ9	550	250	85.5	126.8	31	5.3	2	152	178	M6*4pcs	46	164	255	240	7	4	168
310	CBIA331LE-1000U-IJ9	496	324.4	155.3	178.1	44.5	7	2	152	178	M6*4pcs	46	164	355	320	9	4	243
	CBIP531ME-1000U-IJ9	1481	324.4	155.3	221.3	44.5	7	2	170	180	M6*4pcs	72.5	190	355	320	9	4	243
355	CBIA335LE-1000U-IJ9	519	370	166	188.1	48	6.4	1.5	152	205	M6*4pcs	46	164	396	362	14	4	271
	CBIP535LG-1000U-IJ9	1,500	370	163.6	168.6	48	8	1.5	170	205	M6*4pcs	72	186	396	362	14	4	271
	CBIP535MG-1000U-IJ9	3,700	370	163.6	189.2	48	8	1.5	232	272	M10*6pcs	71	252	396	362	14	4	271
400	CBIP540MG-1000U-IJ9	1,500	418.4	185	190	51	9	1.5	170	205	M6*4pcs	72	186	400	376	14	4	291
500	CBIP550NH-1000U-IJ9	2,835	520	261	269	55	10	2	232	272	M10*6pcs	71	252	509	480	11	6	384
560	CBIP556RH-1000U-IJ9	4,172	583	298	383	70	12	2	232	272	M10*6pcs	71	252	600	550	11	6	414
630	CBIP563RH-1000U-IJ9	4,229	653	327	406	68.4	14	2	232	272	M10*6pcs	71	252	670	620	13	6	484

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

Dimensions : Centrifugal fan with support bracket (CBA Series)

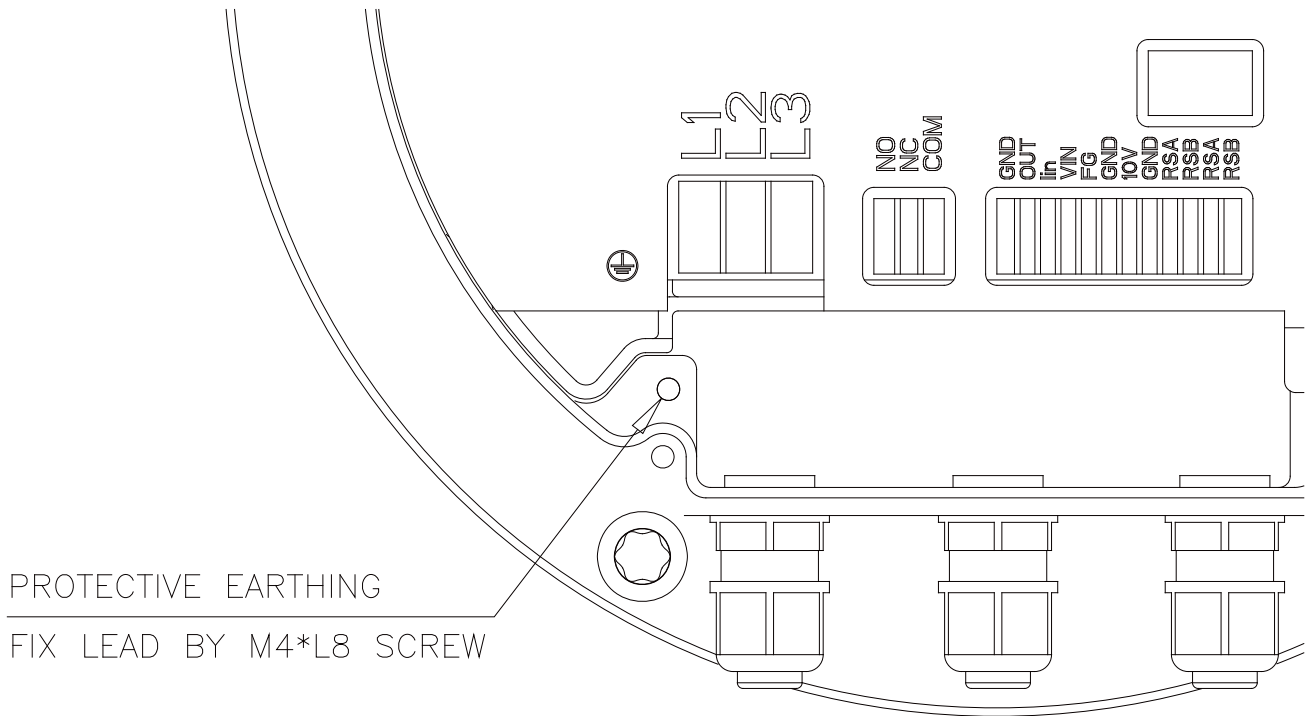


Size	Part Number	Max. Power (W)	Dimension(mm)									
			A	B	C	D (pcs)	E	F	G	H	I (pcs)	J
190	CBAP2198C-1000U-OJ9	85	216	187	4.5	4	86	NA	NA	NA	NA	NA
	CBAP219AC-1000U-OJ9	170	216	187	4.5	4	98	NA	NA	NA	NA	NA
225	CBAP222BC-1000U-OJ9	85	270	215	4.5	4	119	NA	NA	NA	NA	NA
	CBAP222DC-1000U-OJ9	170	270	215	4.5	4	131.1	NA	NA	NA	NA	NA
250	CBAP225BC-1000U-OJ9	170	300	240	4.5	4	115.5	NA	NA	NA	NA	NA
	CBAA325LE-1000U-IJ9	550	330	297.8	8	4	196.5	150.5	4	NA	NA	NA
310	CBAA331ME-1000U-IJ9	496	390	340	11	4	258.6	212.6	8	NA	NA	NA
	CBAP531NE-1000U-IJ9	1481	390	340	11	4	327.3	254.8	8	NA	NA	NA
	CBAA335ME-1000U-IJ9	519	450	400	11	4	274.3	228.3	11.5	NA	NA	NA
355	CBAP535MG-1000U-IJ9	1,500	450	400	11	4	278.8	207.2	12	NA	NA	NA
	CBAP535NG-1000U-IJ9	3,700	450	400	11	4	299	227.8	12	NA	NA	NA
400	CBAP540NG-1000U-IJ9	1,500	500	450	11	4	302.1	230.5	12	NA	NA	NA
500	CBAP550PH-1000U-IJ9	2,835	590	540	11	8	383	312	12	11	4	210
560	CBAP556SH-1000U-IJ9	4,172	710	660	11	8	509	438	12	11	4	210
630	CBAP563SH-1000U-IJ9	4,229	790	740	11	8	529	458	12	11	4	210

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

Wire Connection : TYPE A



	Text	Functions
Power	L1	AC main(3~ 380-480VAC)
	L2	AC main(3~ 380-480VAC)
	L3	AC main(3~ 380-480VAC)
Status	NO	Alarm relay, close by failure
	NC	Alarm relay, open by failure
	COM	Alarm relay, common (2A/250VAC)
Signal	GND	Ground
	OUT	Control Voltage output 0-10 V
	lin	Speed control, input 4-20 mA
	VIN	Speed control, input 0-10 VDC
	FG	Frequency generator (FG) signal
	GND	Ground
	10V	+10 V output, MAX 10 mA
	GND	Ground
	RSA	RS485-A
	RSB	RS485-B
	RSA	RS485-A
	RSB	RS485-B

*All model can be customized. Please contact Sunon Sales.
*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

Wire Connection : TYPE B

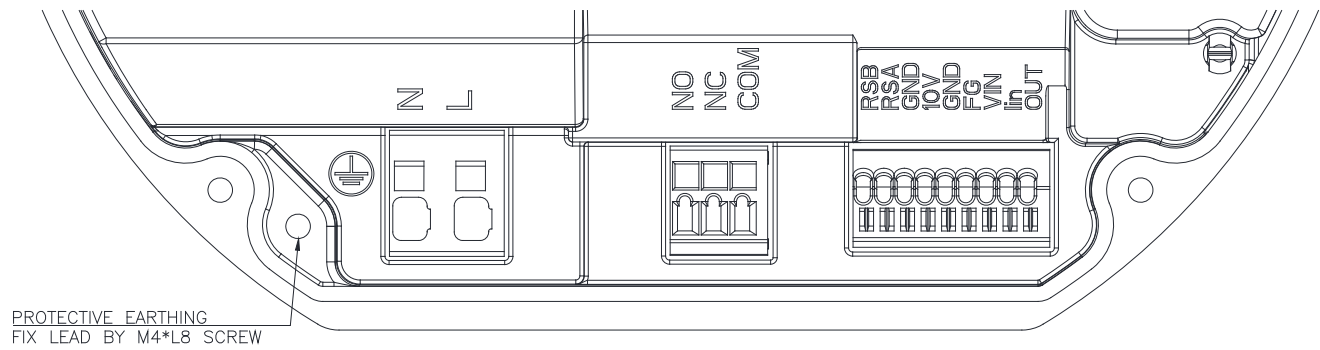


	Text	Functions
Power	L1	AC main(3~ 380-480VAC)
	L2	AC main(3~ 380-480VAC)
	L3	AC main(3~ 380-480VAC)
Status	NO	Alarm relay,close by failure
	NC	Alarm relay,open by failure
	COM	Alarm relay, common (2A/250VAC)
Signal	RSB	RS485-B
	RSA	RS485-A
	GND	Ground
	10V	+10 V output, MAX 10 mA
	GND	Ground
	FG	Frequency generator (FG) signal
	Vin	Speed control, input 0-10 VDC
	Iin	Speed control, input 4-20 mA
	OUT	Control Voltage output 0-10 V

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

Wire Connection : TYPE C



	Text	Functions
Power	N	AC main(1~ 200~277VAC)
	L	AC main(1~ 200~277VAC)
Status	NO	Alarm relay, close by failure
	NC	Alarm relay, open by failure
	COM	Alarm relay, common (2A/250VAC)
Signal	RSB	RS485-B
	RSA	RS485-A
	GND	Ground
	10V	+10 V output, MAX 10 mA
	GND	Ground
	FG	Frequency generator (FG) signal
	Vin	Speed control, input 0-10 VDC
	Iin	Speed control, input 4-20 mA
	OUT	Control voltage output 0-10 V

*All model can be customized. Please contact Sunon Sales.
*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.

Wire Connection : TYPE D (Cable)

Item	Functions	Wire Type	Color
Power	L	UL2517#20AWG	Blue
	N	UL2517#20AWG	Brown
	PE	UL2517#20AWG	Yellow/Green
Signal	10 V	UL2517#24AWG	Red
	VIN	UL2517#24AWG	Blue/White
	FG	UL2517#24AWG	Yellow
	GND	UL2517#24AWG	Black
	RSA	UL2517#24AWG	Gray
	RSB	UL2517#24AWG	Brown

Wire Connection : TYPE E (Cable)

Item	Functions	Wire Type	Color
Power	L	UL2517#18AWG	Blue
	N	UL2517#18AWG	Brown
	PE	UL2517#18AWG	Yellow/Green
	NO	UL2517#18AWG	Orange
	COM	UL2517#22AWG	Orange
Signal	10 V	UL2517#22AWG	Red
	VIN	UL2517#22AWG	Blue
	FG	UL2517#22AWG	Yellow
	GND	UL2517#22AWG	Black
	RSA	UL2517#22AWG	Gray
	RSB	UL2517#22AWG	Brown

*All model can be customized. Please contact Sunon Sales.

*Specifications are subject to change without notice. Please visit SUNON website at www.sunon.com for update information.



www.sunon.com

SUNON®

Headquarters
Sunonwealth Electric Machine Industry Co., Ltd.
TEL : +886-7-8135888
E-mail : sunon@sunon.com

Sunon Inc. (U.S.A.)
TEL : +1-714-255-0208
E-mail : info@sunon.com

Sunon SAS (Europe)
E-mail : europe@sunon.com

Sunon India
E-mail : sunon@sunon.com



2026/09/15 (277-E)

© 2026 SUNONWEALTH Electric Machine Industry Co., Ltd.