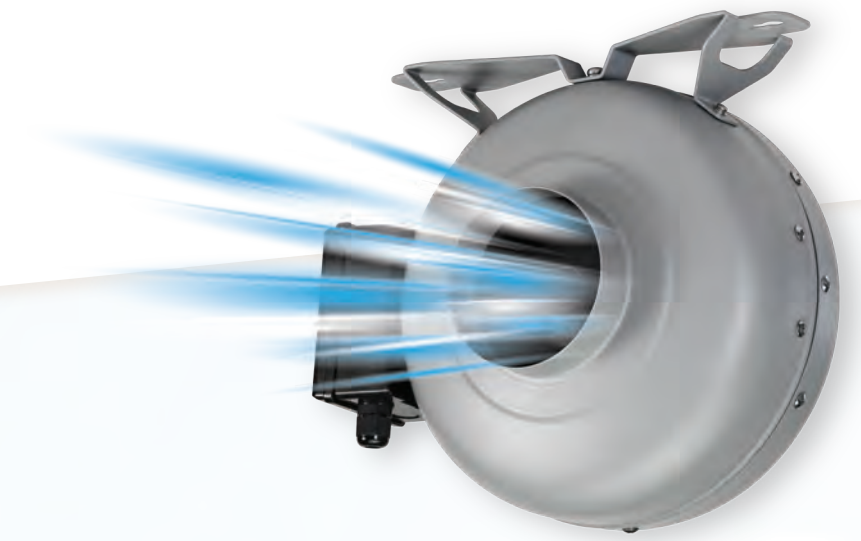


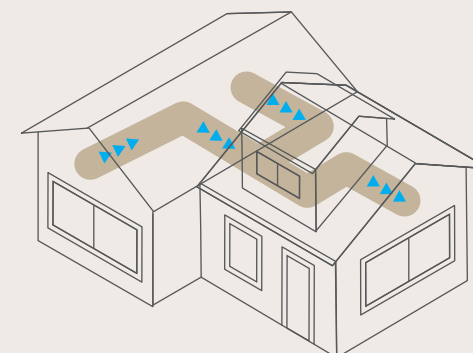


SINCE 1909
JAPAN



In-line Centrifugal Fan

Built to move air, built to last



KDK Company, Division of PES
4017, Takaki-cho, Kasugai, Aichi, Japan
<http://kdk.jp>

• Actual colors may vary slightly from those shown.
• Specifications are subject to change without prior notice.

CATALOG NO: K-AMCA013
September 2025

In-line Centrifugal Fan

Built to move air, built to last.



High Performance



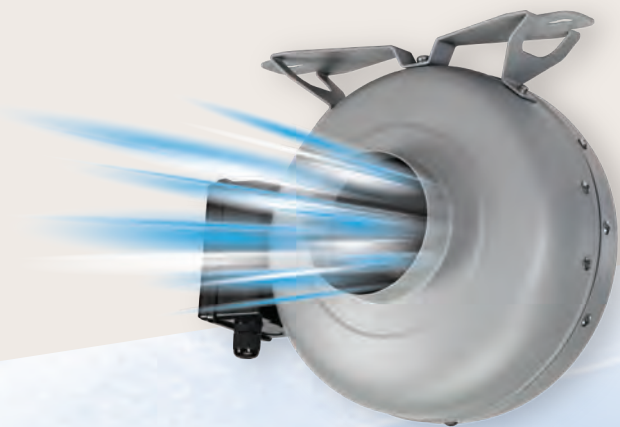
Long Life



Low-Noise



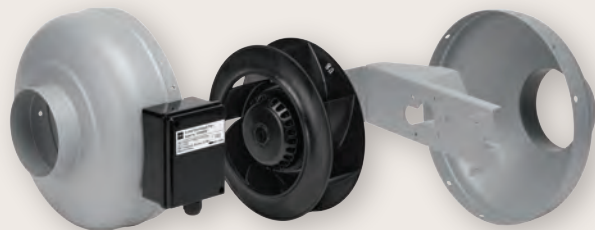
Safe



Features

High Precision Engineering

Features a high-performance external rotor motor, integrated thermal protector, and premium ball bearings to ensure consistent and dependable operation.



Long Life

Long Operational Lifespan

Engineered for longevity, supporting continuous use for up to 40,000 hours.



Dust & Water-resistant

Robust Protection

IP44-rated enclosure safeguards against dust and water ingress for reliable operation in demanding environments.

Installation Simulation

(Mount above ceiling)



Low Noise & Vibration

Double-sided dynamically balanced fan blades provide smooth, quiet, and vibration-free performance.



10MMA/12MMA/15MMA/
16MMA/20MMA/25MMA



31MMA

Optimized Airflow Design

Centrifugal structure with Class F insulation above for enhanced performance and safety.

In-line Centrifugal Fan

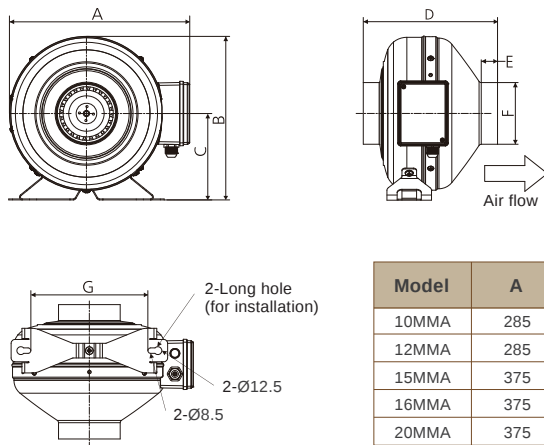
10MMA / 12MMA
15MMA / 16MMA
20MMA



- Equipped with a high-performance external rotor motor
- Premium ball bearings
- Integrated thermal protector
- Long Operational Lifespan
- Low Noise & Vibration
- Optimized Airflow Design
- Motor Insulation Class F
- IP protection: IP44

Panasonic Ecology Systems Guangdong Co., Ltd. certifies that the In-line Centrifugal Fan Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

Dimension Unit : mm



Model	A	B	C	D	E	ØF	G	Duct Dimension
10MMA	285	258	137	213	26	97	196	Ø100
12MMA	285	258	137	203	26	123	196	Ø125
15MMA	375	348	181	266	25	147	267	Ø150
16MMA	375	348	181	260	25	157	267	Ø160
20MMA	375	348	181	245	25	197	267	Ø200

Specification

Model	Voltage [V]	Frequency [Hz]	inches of H ₂ O	CFM/SONE AT STATIC Pressure (ps-inches of H ₂ O)												RPM	Watts*	
				0.000	0.121	0.201	0.402	0.603	0.804	1.005	1.206	1.507	1.808	2.009	2.411		FOR AMCA	FOR IEC
10MMA	240	50	CFM	161	152	146	125	108	87	66	-	-	-	-	-	2,606	63	57
			Sones	8.8	8.5	8.4	8.0	7.5	7.2	6.9	-	-	-	-	-			
12MMA	240	50	CFM	197	178	169	144	121	100	74	49	-	-	-	-	2,580	63	58
			Sones	9.9	9.5	9.3	8.8	8.4	8.0	7.6	7.1	-	-	-	-			
15MMA	240	50	CFM	413	390	375	332	288	246	203	163	106	-	-	-	2,495	104	97
			Sones	11.1	10.9	10.8	10.5	10.2	10.2	10.2	10.9	10.6	-	-	-			
16MMA	240	50	CFM	487	462	440	390	337	294	250	212	146	-	-	-	2,311	136	128
			Sones	10.6	10.3	10.3	10.1	10.2	10.3	11.1	10.5	9.1	-	-	-			
20MMA	240	50	CFM	553	523	506	460	421	379	332	284	229	163	121	-	2,535	181	174
			Sones	11.2	10.9	10.8	10.2	9.9	9.6	9.7	10.2	12.2	12.5	12.9	-			

Performance certified is for installation type D: Ducted inlet, Ducted outlet.
Performance ratings do not include the effects of appurtenances (accessories). Speed (RPM) shown is nominal.
Performance is based on actual speed of test. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA International Standard 301.
Values shown are for installation type D: ducted inlet hemispherical sone levels. Ratings do not include the effect of duct end correction.
* the Watts rating is for AMCA test method and it is at the static pressure of 0 inch of H₂O.
** the Watts rating is only for IEC test method and the AMCA Certified Rating Seal does not apply to IEC test method watts.

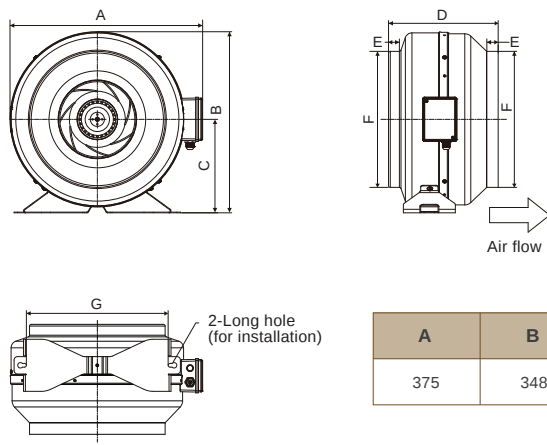
25MMA



- Equipped with a high-performance external rotor motor
- Premium ball bearings
- Integrated thermal protector
- Long Operational Lifespan
- Low Noise & Vibration
- Optimized Airflow Design
- Motor Insulation Class F
- IP protection: IP44

Panasonic Ecology Systems Guangdong Co., Ltd. certifies that the In-line Centrifugal Fan Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

Dimension Unit : mm



A	B	C	D	E	ØF	G	Duct Dimension
375	348	181	219	25	247	267	Ø250

Specification

Model	Voltage [V]	Frequency [Hz]	inches of H ₂ O	CFM/SONE AT STATIC Pressure (ps-inches of H ₂ O)												RPM	Watts*	
				0.000	0.121	0.201	0.402	0.603	0.804	1.005	1.206	1.507	1.808	2.009	2.411		FOR AMCA	FOR IEC
25MMA	240	50	CFM	555	532	515	474	436	394	352	307	250	186	140	-	2,643	178	165
			Sones	11.7	11.2	11.1	10.5	10.1	9.7	9.3	9.1	10.0	12.3	13.3	-			

Performance certified is for installation type D: Ducted inlet, Ducted outlet.
Performance ratings do not include the effects of appurtenances (accessories). Speed (RPM) shown is nominal.
Performance is based on actual speed of test. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA International Standard 301.
Values shown are for installation type D: ducted inlet hemispherical sone levels. Ratings do not include the effect of duct end correction.
* the Watts rating is for AMCA test method and it is at the static pressure of 0 inch of H₂O.
** the Watts rating is only for IEC test method and the AMCA Certified Rating Seal does not apply to IEC test method watts.

In-line Centrifugal Fan

31MMA

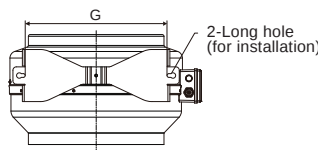
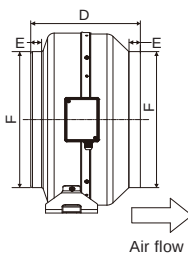
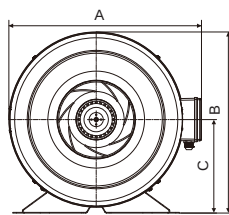


- Equipped with a high-performance external rotor motor
- Premium ball bearings
- Integrated thermal protector
- Long Operational Lifespan
- Low Noise & Vibration
- Optimized Airflow Design
- Motor Insulation Class H
- IP protection: IP44

Panasonic Ecology Systems Guangdong Co., Ltd. certifies that the In-line Centrifugal Fan Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



Dimension Unit : mm



A	B	C	D	E	ØF	G	Duct Dimension
445	416	215	255	26	313	327	Ø315

Specification

Model	Voltage [V]	Frequency [Hz]	CFM/SONE AT STATIC Pressure (ps-inches of H ₂ O)												RPM	Watts* FOR AMCA	Watts** FOR IEC
			inches of H ₂ O	0.000	0.121	0.201	0.402	0.603	0.804	1.005	1.206	1.507	1.808	2.009	2.411		
31MMA	240	50	CFM	953	908	883	805	709	601	504	438	366	307	263	159	246	238
			Sones	17.7	17.1	16.5	15.6	14.4	12.5	12.0	12.1	13.6	17.4	20.0	21.1		

Performance certified is for installation type D: Ducted inlet, Ducted outlet.
Performance ratings do not include the effects of appurtenances (accessories). Speed (RPM) shown is nominal.
Performance is based on actual speed of test. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA International Standard 301.
Values shown are for installation type D: ducted inlet hemispherical sone levels. Ratings do not include the effect of duct end correction.
* the Watts rating is for AMCA test method and it is at the static pressure of 0 inch of H₂O.
** the Watts rating is only for IEC test method and the AMCA Certified Rating Seal does not apply to IEC test method watts.

