



# Commercial Refrigerator Fans and Motors

As energy savings has become increasingly critical for industries such as HVAC, Delta Commercial Refrigerator Motors and Fans, powered by Electronically Commutated (EC) technology, provide outstanding reliability and improved power efficiency compared to traditional AC fans and motors. Contact us today for more information and product samples.

- Brushless DC motor/fan driven by AC source input
- Up to 70% power saving compared to AC fans/motors
- Outstanding reliability, energy efficiency, and low-noise
- Custom design service available

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 **DELTA**  
Smarter. Greener. Together.



# Electronically Commutated Motors and Fans

The Electronically Commutated (EC) motors are based on brushless DC motors that function using built-in AC to DC inverter and magnet rotor to achieve more power savings than AC motors. Delta's EC motors are designed for maximum power efficiency and reliability for the HVAC applications.




## Key Features

- High quality Delta DC brushless fan component for reduced energy consumption and low noise
- 40% energy savings
- AC source input
- Stable power input and speed
- Compatible with general 6" to 9" metal blade  
Operating temperature: - 20°C to + 50°C
- RoHS
- Thermally protected, over current/voltage protection and lock-rotor protection
- Available optional functions: starting in reverse, rotation direction switch

## Motor Product Specification

Model	MR83A2PE Series	MR83AUME
		
Output Power	1/50hp (15W)	1/50hp (15W)
Voltage (VAC)	230	100-230
Input Power (W)	25	25
Max. Speed (RPM)	1800	1550
Min. Speed (RPM)	1300	
Rotation Direction	CCW	CCW
Speed option	1-2	1
Ingress Protection	IP54	IP66
Certification	UL/CSA/ATEX	UL/CSA/ATEX

## Fan Product Specification

Model	EC 120 mm Fan	7" EC Slim Fan	8" EC Slim Fan	8" EC Fan	9" EC Fan
					
Impeller Diameter (mm)	113	172	200	200	230
Voltage (VAC)	100-240	100-240	100-240	230	230
Max. Height (mm)	38	80	80	105	105
Max. Speed (RPM)	3200	2500	2200	1800	1600
Min. Speed (RPM)	1800	800	800	1000	1000
Speed option	1	1-2	1-2	1-2	1-2
Certification	In progress	UL / CSA	UL / CSA	UL/CSA/CE/TUV/ATEX	UL/CSA/CE/TUV/ATEX
Ingress Protection	IP52	IP56	IP56	IP55	IP55
Protection	Electrical	Thermal	Thermal	Thermal	Thermal
Option		Speed Reprogrammable	Speed Reprogrammable		