



Commercial Refrigeration EC 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 magnetic 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
- AC source input
- Stable power input and speed
- Operating temperature: - 40°C to + 55°C
- Thermally protected, over current/voltage protection and lock-rotor protection
- Available optional functions: starting in reverse, rotation direction switch

EC Fans and Motors Product Specification

Model	MR83AUPE	AFL12AUHE	AFL15AUHS	AFL22AUHW	AFL22AUHW-R220DH	AFL25AUHW	AFL25A2LU	AFL28A2LU
								
Voltage (VAC)	100-240	100-240	100-240	100-240	100-240	100-240	230	230
Blade Diameter (mm)	Ø152-230	Ø113	Ø140	Ø172	Ø172	Ø200	Ø200	Ø230
Dimension (mm)	83x83x66	120x120x38	Ø151x60.5	Ø222x80	Ø222x80	Ø250x80	Ø250x105	Ø280x105
Max. Speed (RPM)	1800	3800	3200	2500	2500	2200	1800	1600
Min. Speed (RPM)	1300	1800	1100	900	900	800	1000	1000
Speed Option	1	1	1-2	1-2	1-2	1-2	1-2	1-2
Ingress Protection	IP54 / IP67*	IP52	IP54 / IP67*	IP54 / IP67*	IP54 / IP67*	IP54 / IP67*	IP55	IP55
Certification	UL / CSA / ATEX / TUV*	UL / CSA / ATEX / TUV	UL / CSA	UL / CSA / ATEX / TUV*	UL / CSA / ATEX / TUV*	UL / CSA / ATEX / TUV*	UL / CSA / ATEX / TUV	UL / CSA / ATEX / TUV
Speed Reprogrammable			V	V	V	V		

*Option on request

DC Fans and Motors Product Specification

Model	EUB1312HE	KFB1224HE	AFL2212LW	AFL2224HW	AFL2524HW
					
Voltage (VDC)	12	24	12	24	24
Blade Diameter (mm)	Ø110	Ø108	Ø172	Ø172	Ø200
Dimension (mm)	126x50	140x120x40	Ø222x80	Ø222x80	Ø250x80
Max. Speed (RPM)	2450	2700	1400	2500	2200
Min. Speed (RPM)	1100	-	700	900	800
Speed Control	1-2	-	PWM	Voltage	Voltage
Ingress Protection	IP52	IP52 / IP55	IP54 / IP67*	IP54 / IP67*	IP54 / IP67*
Certification	UL / CSA / TUV	TUV	UL / CSA / TUV	UL / CSA / TUV	UL / CSA / TUV