

C-FACE MOTOR

EXPERIENCE THE DIFFERENCE

NEMA Premium AMPH AC Induction Motors: 1 to 20 HP

Sumitomo Drive Technologies has more than 40 years of experience manufacturing aluminum alloy framed electric motors. The AMPH C-Face motor is the newest addition to our successful family of power transmission products.

By combining the well-known, high-strength, and increased thermal efficiency of aluminum alloy with its remarkable ability to be drawn into complex shapes - the operational lifespan and performance of this new family of gearmotors are unparalleled.

How is it better?

Increased Operational Lifespan

It runs substantially cooler than competitive motors, resulting in less thermal stress.



*Runs 25% to 45% cooler
when compared to our competitors*

Remarkable Strength

You can depend on the strength of aluminum alloy, which is 2X the strength of cast iron.



Stronger

Quieter Operation

Enjoy noticeably reduced facility noise levels with its quieter operation.



Hassle-Free Installation

Its considerably lighter weight makes it easier to install.



*46%
Lighter
for easy installation*



Value Boosting Features

- Low-noise fan and shroud
- **Impact-resistant** steel fan shroud
- **Vibration-minimizing** manufacturing systems
- Standard NEMA C-Face dimensions
- Preferred round body and footless design
- Familiar pigtail connections - 9 leads
- Stout, high-quality insulation systems standard
- Maintenance-free **double shielded ball bearings**
- **Fracture-resistant** ductile frame and flange
- **100% recyclable** alloy aluminum frame
- **Reduced spares** - 4 mounting positions for lifting eye

Robust Specifications

- NEMA Premium efficiency
- NEMA Design B torque curve with lower starting current requirement
- **1.15 service factor** for continuous operations at 60 Hertz
- Class F insulation with a Class B temperature rise
- Suitable for operation with IGBT inverters, 1.0 service factor
- Meets or exceeds NEMA MG-1, part 31 requirements
- Standard operating range from **-20° C (-4° F) to 40° C (+104° F)**
- 3300 ft. elevation without derating
- **Totally enclosed fan cooled (TEFC)** construction
- **IP55 Ingress Protection** rating with both ends sealed
- **UL recognized/CSA certified/CE compliant**
- Turndown ratio to **6:1 speed range**, constant torque operation

HP	RPM	Volts	Frame	Encl.	Part No (Use for ordering)	Full Model No.
1	1750	230/460	143/145TC	TEFC	AEPY3236-0743	MPH90/A4A-57133
1.5					AEPY3236-1143	MPH90AA4A-57134
2					AEPY3236-1543	MPH90BA4A-57130
3			182/184TC		AEPY3236-2243	MPH10AA4A-57129
5					AEPY3236-3743	MPH12AA4A-57128
7.5			213/215TC		AEPY3236-5543	PH13AA4A-57131
10					AEPY3236-7543	PH13BA4A-57132
15					AEPY3236-A143	PH16AA4A-57136
20			254/256TC		AEPY3236-A543	PH16BA4A-57135

