

Our AMP AC or DC square frame motor are ideal for a wide variety of variable speed applications that require constant torque at zero speed. This motor offers compact design, low inertia with a wide speed range. The modular design provides high degree of flexibility.

### Applications

Conveyors, Extrusion, Injection molding, Mixers, People movers, Printing machines, Ski Lifts & Test stands

### AC Square frame

- Balanced per IEC 60034-14, Grade A (ISO 1940/1, G2.5) or Grade B (ISO 1940/1, G1)
- Built to NEMA MG1 or IEC Motor standards
- CE Mark
- Class H insulation with Class F temperature rise (Class B rise upon request)
- Constant torque 0 - Base speed
- Foot mount, Flange or Foot/Flange mounting
- High speed designs
- IC06, IC17, IC37, IC416, IC666 & IC86W
- Protection IP23, IP54 or IP55
- PTC 150°C thermistors, 3 in series in stator winding (Thermostats or RTD's available)
- Radial blower mounted on Top at NDE or DE, F1 or F2 or Axial blower mounted on NDE
- Terminal box: Top, F1 or F2
- Custom designs available for specific applications
- See AMP, AC Square Frame technical catalog or contact us for additional details

### DC Square frame

- Balanced per IEC 60034-14, Grade A (ISO 1940/1, G2.5) or Grade B (ISO 1940/1, G1)
- Built to NEMA MG1 or IEC Motor standards
- CE Mark
- Class H insulation with Class F temperature rise (Class B rise upon request)
- Constant torque 0 - Base speed
- Foot mount, Flange or Foot/Flange mounting
- High speed designs
- IC01, IC06, IC17, IC37, IC410, IC416, IC666 & IC86W
- Protection IP23, IP54 or IP55
- PTC 150°C thermistors, 3 in series in stator winding (Thermostats or RTD's available)
- Radial blower mounted on Top at NDE or DE, F1 or F2 or Axial blower mounted on NDE
- Terminal box: Top, F1 or F2
- Custom designs available for specific applications
- See LAK, DC Square Frame technical catalog or contact us for additional details

### DC Drives

- 12V - 500V AC input as standard
- 17 digital inputs / 8 analog inputs
- 600V & 690V AC input available (650A & above)
- 7 digital outputs / 4 analog outputs
- Available in 2Q & 4Q versions
- CE mark
- UL/cUL listed (12 - 630A)
- Ultra compact chassis sizes, 12 - 2250A
- Wide range of field bus options -
- Ethernet, Profibus, DeviceNet, Modbus & CANbus





### **ATEX & IECEX - Gas Zones 1 & 2, Dust Zones 21 or 22**

Ideal for use in potentially explosive environments in chemical and petrochemical industry, refineries,

#### **Applications**

Heat exchangers, Pumps, Conveyors, Compressors, Air handling, Air coolers, Cranes, Packaging

- Exd IIC T5, Frames 63 – 71
- Exd/Exde IIC T4, Frames 80 – 355
- ATEX Directive 94/9/EC
- IECEX
- Complies IEC standards EN 60079-0, 60079-1, 60079-31, 60079-7, 60072 & 60034-9
- 50 or 60Hz
- Cast iron frame, end plates & terminal box
- CE Mark
- Class “F” insulated motors with Class “B” temperature limits
- Foot, B14 or B5 flange or foot/flanged
- IE1, IE2 or IE3 Efficiency Class
- Manufactured in EU
- Protection IP55, IP56 or IP66
- TEFC / IC411
- Terminal box top mounted turnable by 90° in 4 positions (Frames 80 – 355)
- Available upon request: VFD duty, two speed, Class H insulation, PTC or PT100's, anti-condensation heaters, IC416 cooling,



### **IEC Metric Motors**

Designed to meet international standards, these motors are ideal as replacements or new installations.

#### **Applications**

Pumps, Conveyors, Air handling, Food & beverage, Compressors, Crane, Irrigation

- Diecast aluminum or cast iron frame
- DOL or Inverter Duty
- IP55, IP56 or IP66 protection
- CE mark
- TEFC, IC411
- 2 – 12 pole
- High locked rotor torque
- Class “F” insulation with Class B temp. rise
- F3/top mounted terminal box
- Bidirectional fan
- Foot, flanged or foot/flanged
- IE1, IE2 or IE3 Efficiency class
- 50 or 60 Hz
- Two speed

### **EMOD Motors**

Product range extends from 0.6kw to 1700kw. Designed to meet specific customer applications.

- Encapsulated, IP67
- Saw duty
- Submersible, IP68
- Water-cooled

