

ELECTRIC MOTORS - High Efficiency Motors, Energy-saving and with variable Speed controls

Single Phase 2 Pole



F63-2M-33



F80-2M-150

Single Phase 4 Pole



F80-4MC-75

Three Phase 2 Pole



F80-2T-100



F80-2T-150

Three Phase 4 Pole



F71-4T-50



with custom made shaft

F80-4T-75



F90L-4T-200



F132S-4T-750

Innovative and Practicable Faston Type-Connection



Motor with fitted the innovative, practicable and safe faston type-connection on the terminal box

Motor parts - Stators, Rotors and Shaft



Windings and shafts



Wound stator with double or triple enamelling



Stator with winding and Rotor with Shaft



Shaft with Rotor balanced. Also special executions



Stator laminations in iron steel sheets or magnetic silicon sheets (packs) with rotor diecast

V-Diecasting



Flange frame size 80 B14



Flange frame size 100 B5



Flange frame size 100 B5R reduced



Motor Housings and Shields in Aluminium Diecast also made to Custom Designs

Efficiency Levels for Three Phase Motors to IEC 60034-30

IE1 = Standard Efficiency

IE2 = High Efficiency (comparable to USA EPACT 60Hz)

IE3 = Premium Efficiency (comparable to USA "NEMA Premium 60Hz)

Ecodesign EUP Directive 200532/EC and Commission Regulation EC 640/2009.

Motor construction

Asynchronous Induction Compact AC Power in Standard or Custom Designs. Totally enclosed fan ventilated ranges for industrial applications.

Single phase and three phase.

Standards: Powers and Frames to IEC, IEC 60072-1, IEC 60034-7, IEC 60034-1, IEC 60034-5, EN 50347. With frame sizes from 56 to 400 with construction forms footmounted or flangemounted B3, B5, B14, B3/B5, B3/B14 and special executions on demand. From 2 to 8 pole and with double polarity and also with Variable Speed Inverter control (frequency control with modulation), soft-starters and controls. Stator frames and shields made of die-cast aluminium or cast iron; ball bearings with double screen, silent: they do not require maintenance; steel or stainless steel shafts. Degree of protection IP44, other degrees available on request. Insulation Class F or B and other classes available on request, in an ambient temperature not exceeding 40 DEG.C., and at an altitude not exceeding 1000 metres.

Voltagess

Single Phase: 230 V

Three Phase: 3 kW and below 230/400 V

4 kW and above 400/690 V

Other voltages available on request.


Cycles

50 Hz Standard

60 Hz available all throughout the range.

Innovations and Specialties

Windings in Class F with copper wiring in class H2 with impregnation in Class H.

Tropicalization on request. Flame-proof versions available – motors for hazardous areas - following Directive 94/9/EC ATEX  for equipment intended for use in potentially explosive atmospheres Exd (motors compatible with explosive atmosphere that are mixed or inflammable: air, gases and dust). Low Voltage executions for use in installations with safety rules against electrocution.

DC motors and low voltage motors available on demand all throughout the ranges.

AC and DC Brake Motors also available. Asynchronous and Synchronous Generators suitable for Hydropower, Marine and Industrial Applications.

Mains and Inverter supply.

Custom Built Special Solutions

Special Executions available with special voltages, special shafts and special flanges.

Important: we also supply motors components like Wound Stators and Rotor Shafts made to custom designs for customers individual requirements.

• Frame Sizes from 56 to 500.

• Powers from 0.17 to 560 kW.