



01. Three Phase Motors

Three-phase motors are a type of AC motor that is a specific example of a polyphase motor. These motors can be either an induction motor (also called an asynchronous motor) or a synchronous motor. The motors consist of three main components – the stator, the rotor, and the enclosure.

Specifications

Rating	Frame Size	RPM	Construction	Voltage / Frequency
0.12 TO 90 KW	63F TO 280M	3000 , 1500 , 1000 , 750	(B3) FOOT , (B5) FLANGE , (B14) FACE and Combination	415V \pm 10% / 50 \pm 6%

Constructional Features

Frame	Made of C.I. Casting
End shields	Made of C.I. Casting
Terminal Box	Terminal box can be rotated in the step of 90 through 360° for desired cable entries
Bearings	Deep groove radial ball bearings for longer life.
Protection	IP-55/44 by means of V' ring seals and oil seals to prevent penetration of solid contaminants / moisture into the motor.
Insulation class	F' class
Rotors & Shafts	Squirrel cage, Aluminum pressure die cast dynamically balanced rotors .Shafts made of EN8.
Winding	Wound with "F" class wire and impregnated with "F" class varnish
Electric supply & variations	415V \pm 10%, 50Hz \pm 5% and combined variations \pm 10% unless otherwise specified.
Duty	Duty Continues (S1)
Ambient Temp	45°C.