

Kirloskar

KIRLOSKAR ELECTRIC

Committed to Innovation and Excellence



**THREE PHASE AC
FLAME PROOF MOTORS**



Product Line of Kirloskar Electric

AC & DC Motors | Generators | Transformers | Switchgear | Drives | DG Sets | Projects | Engineering

ISO 9001:2008



**BUREAU
VERITAS**

CMYK

Kirloskar Electric manufactures a wide variety of AC motors. These motors are specially designed for environment prone to risk of fire or explosion viz., coal mining, oil refineries, pharmaceutical, chemical & petroleum industries. Our AC motors are designed to withstand the force of explosion, without damaging the enclosure and avoiding any contact of the internal flame (or explosion) with the external flammable gas vapour.

SALIENT FEATURES

- Robust & rugged built with cast Iron or fabricated construction
- Enclosures are hydraulically tested for a pressure of 10kg/cm² (150PSI)
- Specially designed top terminal box

APPROVED BY

- Central Institute of Mining & Fuel Research (CIMFR)
- Director General of Mines Safety, Dhanbad (D.G.M.S)
- Petroleum & Explosives Safety Organisation (PESO)
- Directorate General Factory Advice Service and Labour Institutes (DGFAS & LI), Mumbai
- Bureau of Indian Standard (BIS)

SPECIFICATIONS

Voltage (V)	: 415V+/-10%, 3 Phase AC
Freq (Hz)	: 50+/-5%
Insulation	: F
Duty	: S1
Factor of Inertia	: 2
Protection	: IP55
Mounting	: IM1001
Enclosure	: IC411
Ambient	: 0 - 50°C
Gas Group	: I, IIA, IIB, IIC
Hazardous Area	: Zone I, Zone II
Rating	: 0.12 - 180 kW
Frame	: 63 - 315

kW	RATING CHART			
	2 POLE (3000SYN/SRPM)	4 POLE (1500SYN/SRPM)	6 POLE (1000SYN/SRPM)	8 POLE (750SYN/SRPM)
0.12	LE 63	LE 63	-	-
0.18	LE 63	LE 63	-	-
0.37	LE71	LE71	LE80	LE90S
0.55	LE71	LE80	LE80	LE90L
0.75	LE80	LE80	LE90S	LE100L
1.1	LE80	LE90S	LE90L	LE100L
1.5	LE90S	LE90L	LE100L	LE112M
2.2	LE90L	LE100L	LE112M	LE132S
3.7	LE100L	LE112M	LE132S	LE160M
5.5	LE132S	LE132S	LE132M	LE160M
7.5	LE132S	LE132M	LE160M	LE160L
9.3	LE160M	LE160M	LE160L	LE180L
11	LE160M	LE160M	LE160L	LE180L
15	LE160M	LE160L	LE180L	LE200L
18.5	LE160L	LE180M	LE200L	LE225S
22	LE180M	LE180L	LE200L	LE225M
30	LE200L	LE200L	LE225M	LE250M
37	LE200L	LE225S	LE250M	LE280S
45	LE225M	LE225M	LE280S	LE280M
55	LE250M	LE250M	LE280M	LE315S
75	LE280S	LE280S	LE315S	LE315L
90	LE280M	LE280M	LE315L	LE315L
110	LE315S	LE315S	LE315L	LE315L
125	LE315L	LE315L	LE315L	-
135	LE315L	LE315L	LE315L	-
150	LE315L	LE315L	-	-
160	LE315L	LE315L	-	-
180	-	LE315L	-	-

STANDARDS

STANDARDS	IS
• Rating & performance	325
• Output & dimension	1231
• Degrees of protection	4691
• Method of cooling	6362
• Construction & mounting	2253
• Noise level	12065
• Vibration level	12075
• Flame Proof construction	IS 2148