



Sun Star
Motors

SYMBOL OF PERFECTION & RELIABILITY

SINCE
2008

TEFC Three Phase Squirrel Cage Induction Motors

Electrical & Mechanical Features

Range : Standard 3 phase induction motors with rating of 0.12 KW to 15 KW are available from frame sizes 63 to 160 with standard speed and various construction.	Construction : Standard motors with single shaft extension are for horizontal foot mounting (B3 as per IS : 1231) and vertical flange/face mounting (B5 & B14 as per IS : 2223). Other types of construction as shown below can be offered on request.	Noise : Motors are designed for low noise level in accordance with IS 12065.
Standards : Performance confirms to IS 325 and dimensions according to IS : 1231 and IS : 2223	Insulation system : All standard motors are provided with class 'F' insulation system. Motors with any other class of insulation can be offered on request.	Bearing system : All motors are equipped with prelubricated bearings. Regreasing facility can be provided on request.
Ratings : Motors are rated for continuous duty type S1 at ambient/temp. of 40°C and site altitudes of up to 1000 m above mean sea level.	Degree of protection : Motors have IP44 degree of protection as a standard feature conforming to IS:4691. Motors can be supplied with protection IP54 as well as IP55 on special request,	Earthing terminals : One earthing terminal is provided in all the motors on stator housing. Terminal can be provided in T-Box on request.
Voltage and frequency : Motors are designed for a rated voltage of 415v+ 6%, 3 phase, 50Hz +3% supply. Motors with special designs of voltage / frequency can be offered on request.	Cooling & ventilation : Type of cooling is as per IS 6362. All motors have an external bi-direction centrifugal fan.	SPECIAL FEATURES AVAILABLE ON REQUEST
Paint : Standard synthetic enamel paint is provided which is suitable for tropical conditions. However, special paint can be provided on request.	Terminal box : All motors are provided with terminal box on the top of the housing	Mechanical features : Special mountings, shaft extensions, keyway, paint, nameplate designs.
		Electrical features : Supply voltage option (160 V to 600 V) multiple voltage, variation in supply frequency (60 Hz), polarity option (8, 10, 12 poles) special protection (PTC thermistor) and insulation (class H or other)

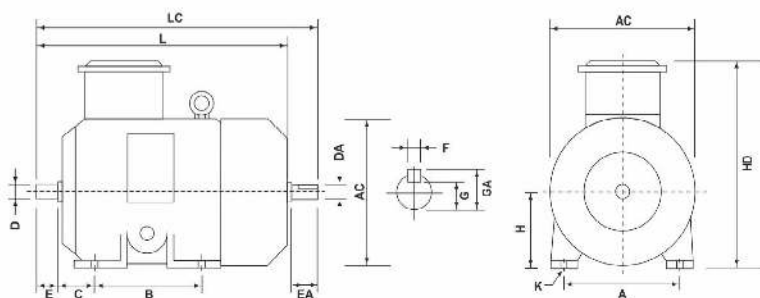


We can also develop motor as per customer design & specification.

RANGE OF *SunStar* MOTOR PRODUCTS

PRODUCT	RANGE	APPLICATION
Standard squirrel cage motors	0.12 KW to 15 KW up to 160 frame	Standard industrial application Customized application
Brake motors, crane duty motors	0.12 KW to 7.5 KW up to 132 frame	Hoist and crane installations and other machine tools
Torque motors	Up to 2.2 KW	Machine tools, wire winding machines, steel rolling industry
Cooling tower motors	0.12 KW to 7.5 KW up to 160 frame	Chilling plants, A/C plants
Dual speed motors (two speed)	Up to 160 frame	Customized application
SINGLE PHASE - 0.25 TO 5.0 HP • THREE PHASE - 0.25 TO 20.0 HP		

Horizontal Foot Mounted Motors (B3 Construction)



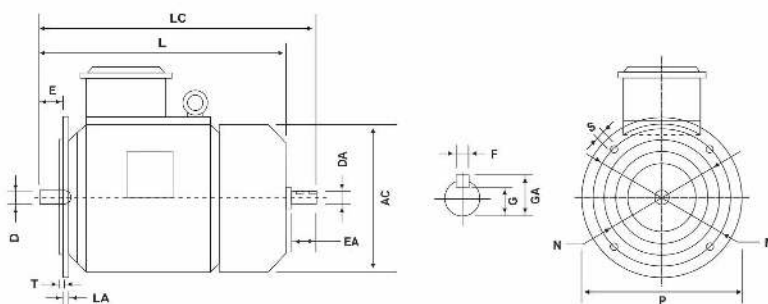
Frame	63	71	80	90S	90L	100L	112M	132S	132M	160M	160L
A	100	112	125	140	140	160	190	216	216	254	254
B	80	90	100	100	125	140	140	140	178	210	254
C	40	45	50	56	56	63	70	89	89	108	108
H	63	71	80	90	90	100	112	132	132	160	160
K	7	7	10	10	10	12	12	12	12	15	15
L	210	245	280	324	324	374	395	470	508	581	625
AC	127	142	161	180	180	208	225	264	264	330	330
HD	175	190	210	230	230	260	290	335	335	390	390
D/DA	11	14	19	24	24	28	28	38	38	42	42
E/EA	23	30	40	50	50	60	60	80	80	110	110
F	4	5	6	8	8	8	8	10	10	12	12
G	8.5	11	15.5	20	20	24	24	33	33	37	37
GA	12.5	16	21.5	27	27	31	31	41	41	45	45
LC	236	278	325	378	378	439	458	560	598	695	740

All Dimensions are in mm.

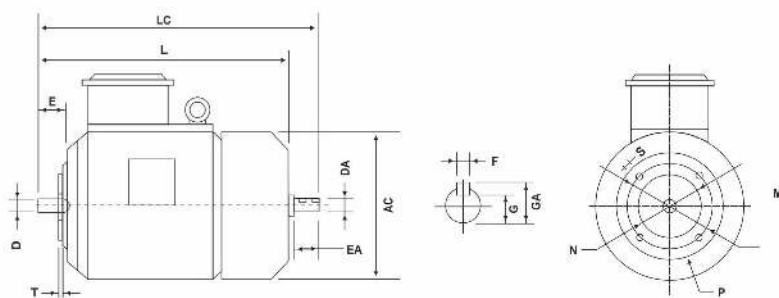
Frame	63	71	80	90S	90L	100L	112M	132S	132M	160M	160L
A	115	130	165	165	160	215	215	265	265	300	300
B	95	110	130	130	130	180	180	230	230	250	250
C	140	160	200	200	200	250	250	300	300	350	350
H	10	10	12	12	12	15	15	15	15	19	19
K	3	3.5	3.5	3.5	3.5	4	4	4	4	5	5
L	210	245	280	324	324	374	395	470	508	581	625
AC	9	9	10	10	10	11	11	12	12	20	20
HD	127	142	161	180	180	208	225	264	264	330	330
D/DA	11	14	19	24	24	28	28	38	38	42	42
E/EA	23	30	40	50	50	60	60	80	80	110	110
F	4	5	6	8	8	8	8	10	10	12	12
G	8.5	11	15.5	20	20	24	24	33	33	37	37
GA	12.5	16	21.5	27	27	31	31	41	41	45	45
LC	236	278	325	378	378	439	458	560	598	695	740

All Dimensions are in mm.

Flange Mounted Motors (B5 Construction)



Face Mounted Motors (B14 Construction)



Frame	63	71	80	90S	90L	100L	112M	132S	132M
M	75	85	100	115	115	130	130	165	165
N	60	70	80	95	95	110	110	130	130
P	90	105	120	140	140	160	160	200	200
S	M5	M6	M6	M8	M8	M8	M8	M12	M12
T	2.5	2.5	3	3	3	3.5	3.5	3.5	3.5
L	210	245	280	324	324	374	395	470	508
AC	127	142	161	180	180	208	228	264	264
D/DA	11	14	19	24	24	28	28	30	30
E/EA	23	30	40	50	50	60	60	80	80
F	4	5	6	8	8	8	8	10	10
G	8.5	11	15.5	20	20	24	24	33	33
GA	12.5	16	21.5	27	27	31	31	41	41

All Dimensions are in mm.



- STANDARD MOTOR
- SINGLE PHASE MOTOR
- GEARED MOTOR
- VIBRATOR MOTOR
- TOW SPEED MOTOR
- LONG SHAFT MOTOR
- BRAKE MOTOR
- CRANE DUTY MOTOR
- FLANGE MOUNTED MOTOR

Special Features Available On Request



Shree Mahakali Electric Works

MFG : ALL TYPE OF A.C. INDUCTION MOTORS

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