

# PRODUCT INFORMATION PACKET

marathon®  
Motors

Model No: KS1P0011A60X34XSX

Catalog No: AL08D1630MFAFTOAOO

1 kW, Crane Duty Slipring Motors , 3 phase, 6 Pole, 415 V, S4 Duty, KS112M Frame, 60 CDF,  
600 Start/Hr., TEFC



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### Nameplate Specifications

Output HP	<b>1.40 Hp</b>	Output KW	<b>1.0 kW</b>
Frequency	<b>50 Hz</b>	Voltage	<b>415 V</b>
Current	<b>4.0 A</b>	Speed	<b>950 rpm</b>
Phase	<b>3</b>	Duty	<b>S4</b>
Frame	<b>KS112M</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>No Protection</b>	Ambient Temperature	<b>45 °C</b>
Drive End Bearing Size	<b>6306 ZZ</b>	Opp Drive End Bearing Size	<b>6306 ZZ</b>
UL	<b>No</b>	CSA	<b>No</b>
CE	<b>No</b>	IP Code	<b>55</b>
CDF	<b>60 %</b>	Start/Hr	<b>600</b>
RA	<b>5.2 A</b>	RV	<b>115 V</b>
Insulation class Stator/Rotor	<b>F/F</b>	Temp. Rise Stator/Rotor	<b>75/75 K</b>
Stator Connection	<b>Star</b>	Rotor Connection	<b>Star</b>
Efficiency Class	<b>Standard</b>		

### Technical Specifications

Electrical Type	<b>Slipring</b>	Starting Method	<b>Rotor resistance starter</b>
Rotation	<b>Bi-Directional</b>	Mounting	<b>B3</b>
Motor Orientation	<b>Horizontal</b>	Drive End Bearing	<b>Antifriction</b>
Opp Drive End Bearing	<b>Antifriction</b>	Frame Material	<b>Cast Iron/Fabricated</b>
Shaft Type	<b>Single Cylinder</b>	Overall Length	<b>610.00 mm</b>
Frame Length	<b>610.00 mm</b>	Shaft Diameter	<b>28.000 mm</b>
Shaft Extension	<b>60 mm</b>	Assembly/Box Mounting	<b>Top</b>
Rotor GD2	<b>0.07 kg·m<sup>2</sup></b>	Pull Out Torque	<b>5.4</b>
Outline Drawing	<b>CM1383</b>	Connection Drawing	<b>DP1949</b>

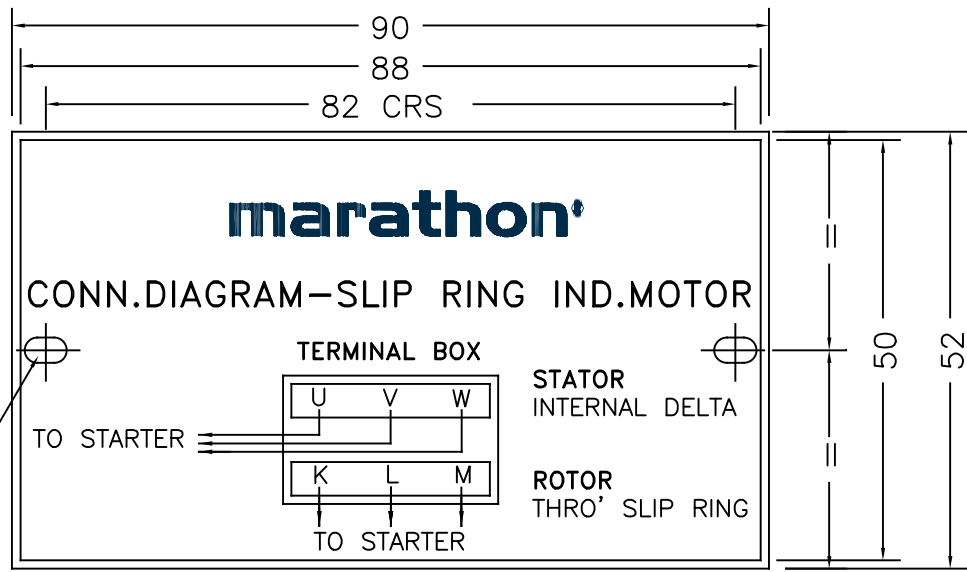




REV	DRAWING NO.
03	15 DP 1949

For General Tolerance, Definition of various Symbols and Instructions refer Drawing No. C12.R7.12. C12DD2676, PLEASE ENQUIRE  
 \*(Rev. No.) should be taken from online "Drawing Master"

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2-ELONGATED HOLES 5x3.5 (FOR PART 1 ONLY)

NOTE:-

- 1) THE HEIGHT OF LETTERS-2.5 & 2mm
- 2) LETTERS TO BE BOLD & THICK.
- 3) ALL LETTERS AND BORDER TO BE BLACK ON NATURAL BACK GROUND

2	BLACK PRINT ON POLYSTER FLIM WITH HIGH TRACK ACRYLIC ADHESIVE BACKING TO WITHSTAND TEMP.UPTO 100°C
1	ALUMINIUM 1mm THICK.ALL LETTERS TO BE ANODISED IN BLACK ON NATURAL BACKGROUND
PART NO.	MATERIAL / FINISH

REF: IS4728-1975

**marathon** Marathon Electric Motors (India) Limited  
 Paharpur Works, 58 Taratala Road.  
 Kolkata - 700024, INDIA

REVISION	DATE	DETAIL OF REVISION	DONE BY	APPRVD	DONE BY	APPRVD
03	12.12.07	LOGO CHANGED			C12DD2676	C12DC1285
02	27.07.07	DRAWING EXTENDED FOR RW 89 -105 RANGE			C12DD2645	C12DC1272
01	08.04.99	ALSTOM 'LOGO' INTRODUCED	B.B			

TITLE CONNECTION DIAGRAM FOR SR/KS & RW89-105 FRAME MOTOR 3(STATOR) & 3(ROTOR)

DRAWN	S.B	26.6.97	DRAWING NO.	REV
CHECKED	K.DAS			
APPRVD.	R.RANJAN		C12.R7.12.	15 DP 1949 03
SCALE	5 of 6	DATE		

**Model No.** KS1P0011A60X34XSX

**Part No.** AL08D1630MFAFTOAOO

P	P	n	POT	T	U	f	I	RA	RV	CDF	Duty	No. of Starts/Hr.	Frame
[kW]	[hp]	[RPM]	XFLT	[Nm]	(V)	[Hz]	[A]			%			
1	1.4	950	5.4	55	415	50	4	5.2	115	60	S4	600	KS112M

Motor type	Slipring	Degree of protection	IP-55
Enclosure	TEFC	Motor weight - approx.	109 kg
Frame Material	-	Gross weight- approx.	kg
Mounting type	IMB3	Motor GD2	0.07 kgm <sup>2</sup>
Cooling method	IC411	Vibration level	As per IS:12075 mm/s
Voltage variation	+/-10%	Noise level ( 1meter distance from motor)	As per IS:12065 dB(A)
Frequency variation	+/-5%	Starting method	Rotor resistance starter
Combined variation	10%	Coupling	Direct / Gearbox
Insulation class	F/F	Direction of rotation	Bi-directional
Ambient temperature	45	Paint shade	RAL5011
Temperature rise (by resistance)	75/75	Type of Terminal Box	Standard
Altitude above sea level	Upto 1000	Terminal box position	Top
Efficiency		Max. Cable size	Refer to TBA drg.
Power Factor		Bearing type	Antifriction
Stator Connection	Star	DE Bearing	6306 ZZ
Rotor Connection	Star	NDE Bearing	6306 ZZ
		Type of Lubrication	Grease

**NOTE**

All performance values at rated voltage and frequency.

All performance parameters are subjected to standard tolerance as per IEC 60034-1

Technical data are subject to change. There may be discrepancies between calculated and name plate values.