

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: KS30P25A25X35XSX

Catalog No: AL08D5630MFAFTOAOO

30.0 Kw, Crane Duty Slipring Motors , 3 phase, 6 Pole, 415 V, S5 Duty, KS250M Frame, 25 CDF,
600 Start/Hr., TEFC



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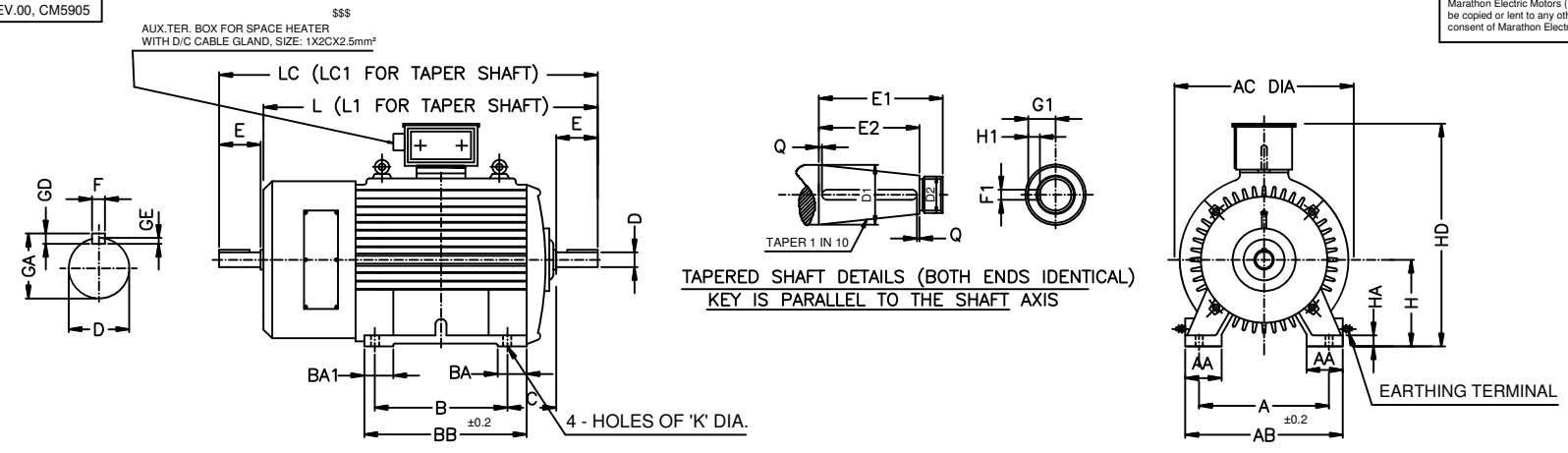
Nameplate Specifications

Output HP	40 Hp	Output KW	30.0 kW
Frequency	50 Hz	Voltage	415 V
Current	75.0 A	Speed	987 rpm
Phase	3	Duty	S5
Frame	KS250M	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	45 °C
Drive End Bearing Size	6315 C3	Opp Drive End Bearing Size	6315 C3
UL	No	CSA	No
CE	No	IP Code	55
CDF	25 %	Start/Hr	600
RA	52 A	RV	320 V
Insulation class Stator/Rotor	F/F	Temp. Rise Stator/Rotor	75/75 K
Stator Connection	Delta	Rotor Connection	Star
Efficiency Class	Standard		

Technical Specifications

Electrical Type	Slipping	Starting Method	Rotor resistance starter
Rotation	Bi-Directional	Mounting	IMB3
Motor Orientation	Horizontal	Drive End Bearing	Antifriction
Opp Drive End Bearing	Antifriction	Frame Material	Cast Iron/Fabricated
Shaft Type	Single Cylinder	Overall Length	1155.00 mm
Frame Length	1155.00 mm	Shaft Diameter	65.000 mm
Shaft Extension	140 mm	Assembly/Box Mounting	Top
Rotor GD2	5.7 kg-m²	Pull Out Torque	4.9
Outline Drawing	CM19820.00	Connection Drawing	DP2560

\$\$\$ - PROVIDED ON DEMAND



DIMENSIONAL DETAILS:-

FRAME	NO OF POLE	H		FIXING DIMENSION				HA	AC-DIA	HD	AA	AB	BA	BA1	BB
		NOM	TOL	A	B	C	K								
KS225S	4 -12	225	-0.5	356	286	149	19	27	500	635	108	457	108	108	345
KS225M	4 -12	225	-0.5	356	311	149	19	27	500	635	108	457	108	108	370
KS250S	4 -12	250	-0.5	406	311	168	24	30	500	660	108	483	115	115	382
KS250M	4 -12	250	-0.5	406	349	168	24	30	500	660	108	483	115	115	420

CYLINDRICAL SHAFT DIMENSIONS DETAILS (BOTH ENDS)											TAPER SHAFT DIMENSIONS DETAILS (BOTH)											
FRAME	L	LC	E	D		GA	F		GD		GE		L1	LC1	D1	D2	E1	E2	F1	H1	G1	Q
				NOM	TOL		NOM	TOL	NOM	TOL	NOM	TOL										
KS225S	1053	1194	140	60	+0.030 +0.011	64	18	-0.052	11	-0.011	7	+0.2	1053	1194	T 60	M42x3	140	105	16	10	31.4	5
KS225M	1077	1218	140	60	+0.030 +0.011	64	18	-0.052	11	-0.011	7	+0.2	1077	1218	T 60	M42x3	140	105	16	10	31.4	5
KS250S	1117	1256	140	65	+0.030 +0.011	69	18	-0.052	11	-0.011	7	+0.2	1117	1256	T 70	M48x3	140	105	18	11	36.4	5
KS250M	1155	1294	140	65	+0.030 +0.011	69	18	-0.052	11	-0.011	7	+0.2	1155	1294	T 70	M48x3	140	105	18	11	36.4	5

NOTE:
1.0 ALL DIMENSIONS ARE IN mm EXCEPT OTHERWISE SPECIFIED.
2.0 FOR TOLERANCES OF DIMENSIONS (NOT MENTIONED) REFER TO IS:2102.
3.0 DIMENSIONS MARKED * ARE MAXIMUM VALUES.

marathon electric
A Regal Beloit Company

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TITLE: **OUTLINE DIMENSION DRAWING FOR KS225S & M KS250S & M MOTOR (CYLINDRICAL & TAPER SHAFT)**

DRAWN: S.B. 27.10.17 PROJECTION: DRAWING NO. REV. CM19820 00

CHECKED: KAUSIK SCALE IF ANY: N.T.S.

APPRVD: P.LAHIRI SIGN DATE

REVISION	DATE	DETAIL OF REVISION	DONE BY	APPRVD