PRODUCT INFORMATION PACKET

Model No: KS30P25E40U43XSX
Catalog No: AL08D5440MFAFTOAOO
30.0 Kw, Crane Duty Slipring Motors , 3 phase, 8 Pole, 415 V, S3 Duty, KS250SA Frame, 40 CDF, 6 Start/Hr., TEFC

marathon® Motors

Nameplate Specifications

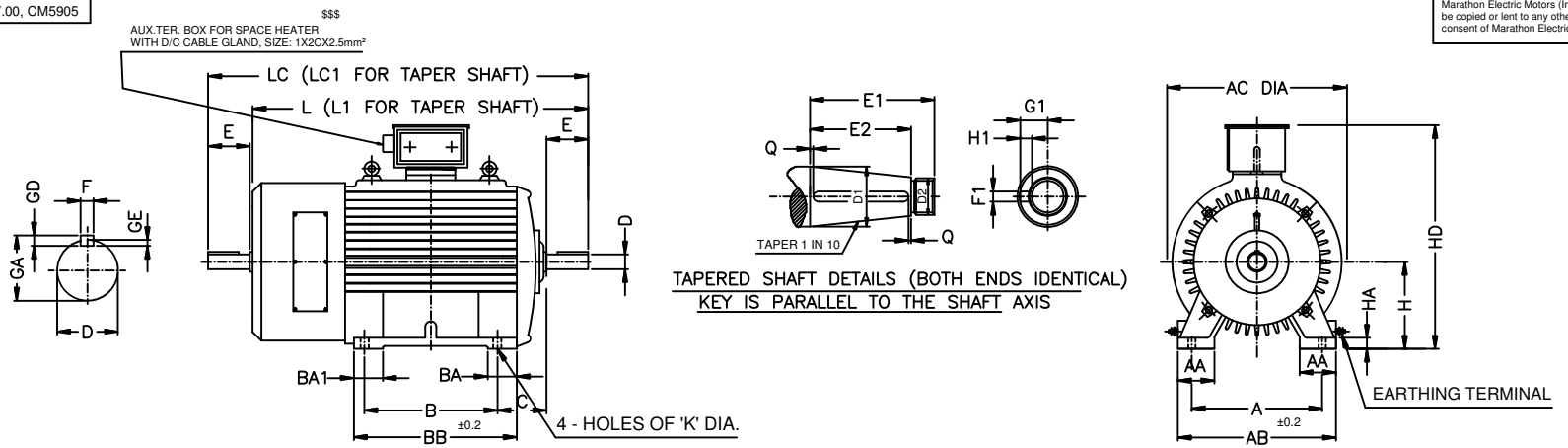
Output HP	**40 Hp**	Output KW	**30.0 kW**
Frequency	**50 Hz**	Voltage	**415 V**
Current	**71.0 A**	Speed	**730 rpm**
Phase	**3**	Duty	**S3**
Frame	**KS250SA**	Enclosure	**Totally Enclosed Fan Cooled**
Thermal Protection	**No Protection**	Ambient Temperature	**45 °C**
Drive End Bearing Size	**6315 C3**	Opp Drive End Bearing Size	**6315 C3**
UL	**No**	CSA	**No**
CE	**No**	IP Code	**55**
CDF	**40 %**	Start/Hr	**6**
RA	**64 A**	RV	**280 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	**Slipring**	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	**1117.00 mm**
Frame Length	**1117.00 mm**	Shaft Diameter	**65.000 mm**
Shaft Extension	**140 mm**	Assembly/Box Mounting	**Top**
Rotor GD2	**5.73 kg·m²**	Pull Out Torque	**3.7**
Connection Drawing	**DP2647**	Outline Drawing	**CM19820.00**

DRAWING No. CM19820 REV. 00	REF. AEI./ P.W DRG. NO. A3C 15019 / 60106 REV.00, CM5905

$$$ ~ 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

REVISION	DATE	DETAIL OF REVISION	DONE BY	APPRVD

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

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

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

DRAWN	S.B		27.10.17	PROJECTION	DRAWING NO. CM19820 / REV. 00
CHECKED	KAUSIK				
APPRVD.	P.LAHIRI			SCALE IF ANY	
		SIGN	DATE	N.T.S	

marathon® Motors

Model No. KS30P25E40U43XSX **Part No.** AL08D5440MFAFTOAOO

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]			%			
30	40	730	3.7	1332	415	50	71	64	280	40	S3	6	KS250SA

Motor type	Slipring		Degree of protection	IP-55	
Enclosure	TEFC		Motor weight - approx.	640	kg
Frame Material	-		Gross wight- approx.		kg
Mounting type	IMB3		Motor GD2	5.73	kgm^2
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	Delta		DE Bearing	6315 C3	
Rotor Connection	Star		NDE Bearing	6315 C3	
			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.

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