

# PRODUCT INFORMATION PACKET

**marathon®**  
Motors

Model No: KS15P022F40V54XSX

Catalog No: AL08D4550MFAFTOAOO

15.0 Kw, Crane Duty Slipring Motors , 1 phase, 10 Pole, 415 V, S4 Duty, KS225S Frame, 40 CDF,  
150 Start/Hr., TEFC



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**RegalRexnord**

## Nameplate Specifications

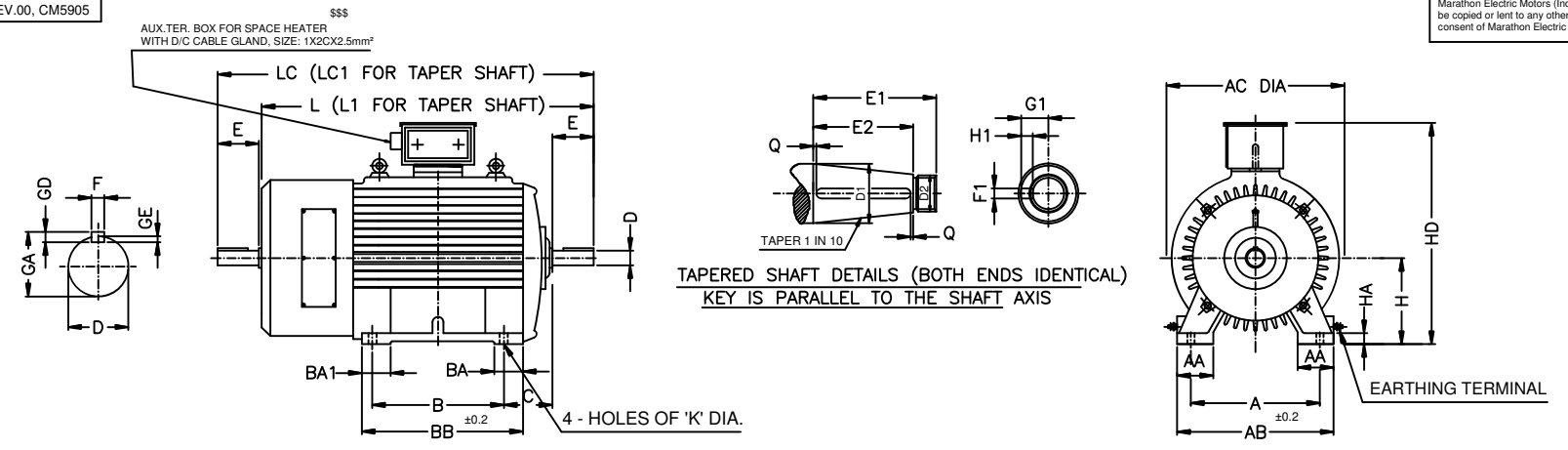
Phase	3	Output HP	20 Hp
Output KW	15.0 kW	Voltage	415 V
Speed	582 rpm	Frame	KS225S
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Ambient Temperature	45 °C	Frequency	50 Hz
Current	38.5 A	Duty	S4
Drive End Bearing Size	6314	Opp Drive End Bearing Size	6314
UL	No	CSA	No
CE	No	IP Code	55
CDF	40 %	Start/Hr	150
RA	39 A	RV	230 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	1053.00 mm
Frame Length	1053.00 mm	Shaft Diameter	60.000 mm
Shaft Extension	140 mm	Assembly/Box Mounting	Top
Rotor GD2	4 kg·m²	Pull Out Torque	3.1
Outline Drawing	CM19820.00	Connection Drawing	DP2427



\$\$\$ ~ 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 Motors (India) Limited  
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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.
CHECKED	KAUSIK			CM19820	00
APPRVD.	P.LAHIRI		SCALE IF ANY		
		SIGN	DATE		

REVISION	DATE	DETAIL OF REVISION	DONE BY	APPRVD