PRODUCT INFORMATION PACKET

Model No: KS122P31C25V34XSX
Catalog No: AL08D7530MFAFTOAOO
122.0 Kw, Crane Duty Slipring Motors , 3 phase, 6 Pole, 415 V, S4 Duty, KS315MA Frame, 25 CDF, 150 Start/Hr., TEFC

Nameplate Specifications

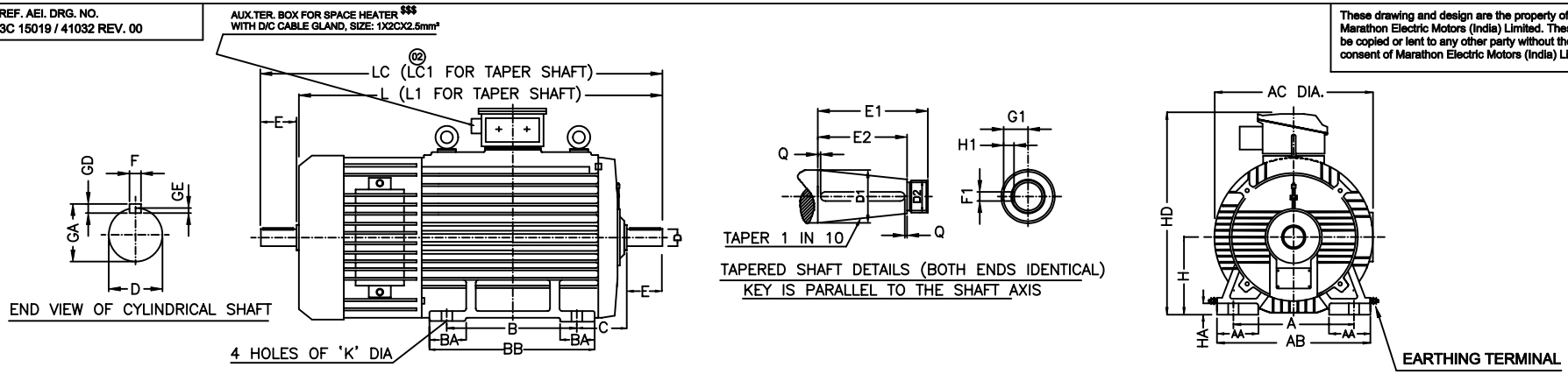
Output HP	**164 Hp**	Output KW	**122.0 kW**
Frequency	**50 Hz**	Voltage	**415 V**
Current	**213.0 A**	Speed	**982 rpm**
Phase	**3**	Duty	**S4**
Frame	**KS315MA**	Enclosure	**Totally Enclosed Fan Cooled**
Thermal Protection	**No Protection**	Ambient Temperature	**45 °C**
Drive End Bearing Size	**6319**	Opp Drive End Bearing Size	**6319**
UL	**No**	CSA	**No**
CE	**No**	IP Code	**55**
CDF	**25 %**	Start/Hr	**150**
RA	**160 A**	RV	**460 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	**1425.00 mm**
Frame Length	**1425.00 mm**	Shaft Diameter	**80.000 mm**
Shaft Extension	**170 mm**	Assembly/Box Mounting	**Top**
Rotor GD2	**19.8 kg·m²**	Pull Out Torque	**3**
Connection Drawing	**DP3127**	Outline Drawing	**cm5906**

REF. AEI. DRG. NO.	DRAWING No.	REV.
A3C 15019 / 41032 REV. 00	CM5906	02

$$$ ~ 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								
KS280S	4 –12	280	–1	457	368	190	24	32	560	830	112	560	120	120	490
KS280M	4 –12	280	–1	457	419	190	24	32	560	830	112	560	120	120	490
KS315S	4 –12	315	–1	508	406	216	28	36	620	885	120	620	143	143	520
KS315M	4 –12	315	–1	508	457	216	28	36	620	885	120	620	143	143	520

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										
KS280S	1300	1428	140	75	+0.030 +0.011	79.5	20	-0.052	12	-.110	7.5	+0.2	1330	1488	T 80	M56x4	170	130	20	12	41.3	5
KS280M	1300	1428	140	75	+0.030 +0.011	79.5	20	-0.052	12	-.110	7.5	+0.2	1330	1488	T 80	M56x4	170	130	20	12	41.3	5
KS315S	1425	1602	170	80	+0.030 +0.011	85	22	-0.052	14	-.110	9	+0.2	1425	1602	T 90	M64x4	170	130	22	14	46.7	5
KS315M	1425	1602	170	80	+0.030 +0.011	85	22	-0.052	14	-.110	9	+0.2	1425	1602	T 90	M64x4	170	130	22	14	46.7	5

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

REVISION	DATE	DETAIL OF REVISION	DONE BY	APPRVD
02	28.11.11	IN THE FIGURE 'L1' AND 'LC1' DIM. INCORPORATED		
01	06.06.11	EARTHING TERMINAL INCORPORATED		

marathon electric
A Regal Beloit Company

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

TITLE: OUTLINE DIMENSION DRAWING FOR KS280S & M
KS315S & M MOTOR (CYLINDRICAL & TAPER SHAFT)

DRAWN	S.B		18.12.07	PROJECTION	DRAWING NO. / REV.
CHECKED	KAUSIK				CM5906 / 02
APPRVD.	R.RANJAN			SCALE IF ANY	
		SIGN	DATE	N.T.S	

marathon® Motors

Model No. KS122P31C25V34XSX **Part No.** AL08D7530MFAFTOAOO

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]			%			
122	164	982	3	3648	415	50	213	160	460	25	S4	150	KS315MA

Motor type	Slipring		Degree of protection	IP-55	
Enclosure	TEFC		Motor weight - approx.	1380	kg
Frame Material	-		Gross wight- approx.		kg
Mounting type	IMB3		Motor GD2	19.8	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	6319	
Rotor Connection	Star		NDE Bearing	6319	
			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.

REGAL