PRODUCT INFORMATION PACKET

Model No: KS75P031E25V44XSX
Catalog No: AL08D7240MFAFTOAOO
75.0 Kw, Crane Duty Slipring Motors , 3 phase, 8 Pole, 415 V, S4 Duty, KS315S1 Frame, 25 CDF, 150 Start/Hr., TEFC

Nameplate Specifications

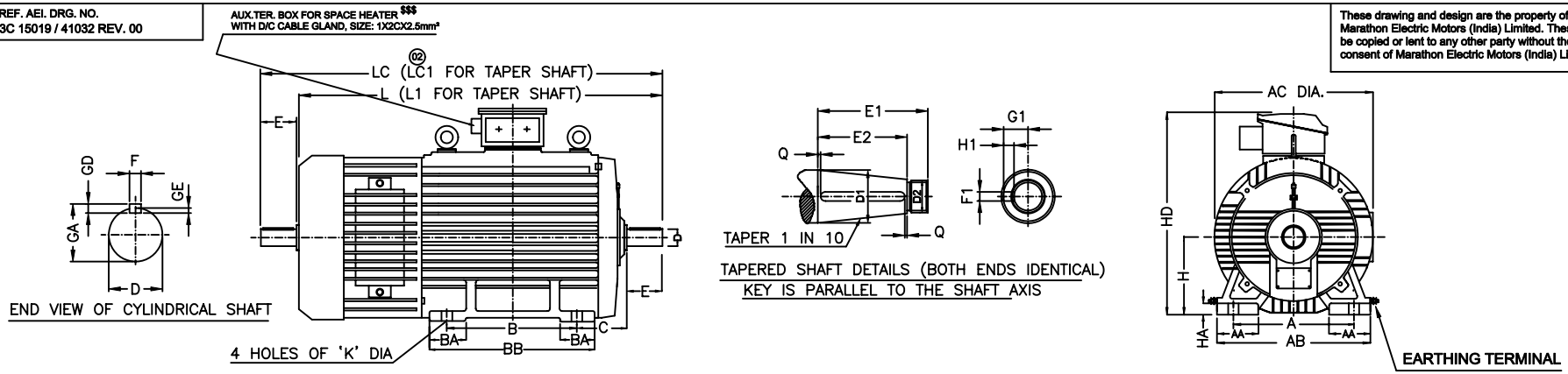
Output HP	100 Hp	Output KW	75.0 kW
Frequency	50 Hz	Voltage	415 V
Current	145.0 A	Speed	736 rpm
Phase	3	Duty	S4
Frame	KS315S1	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	45 °C
Drive End Bearing Size	6319	Opp Drive End Bearing Size	6319
UL	No	CSA	No
CE	No	IP Code	55
CDF	25 %	Start/Hr	150
RA	147 A	RV	310 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	22 kg·m²	Pull Out Torque	3.1
Connection Drawing	DP3175	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. KS75P031E25V44XSX **Part No.** AL08D7240MFAFTOAOO

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]			%			
75	100	736	3.1	3114	415	50	145	147	310	25	S4	150	KS315S1

Motor type	Slipring	Degree of protection	IP-55	
Enclosure	TEFC	Motor weight - approx.	1385	kg
Frame Material	-	Gross wight- approx.		kg
Mounting type	IMB3	Motor GD2	22	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