## **PRODUCT INFORMATION PACKET**

Model No: KS52P031G60U53XSX Catalog No: AL08D7250MFAFTOAOO 52.0 Kw, Crane Duty Slipring Motors , 3 phase, 10 Pole, 415 V, S3 Duty, KS315SA Frame, 60 CDF, 6 Start/Hr., TEFC



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# marathon®

#### Nameplate Specifications

Output HP	70 Hp	Output KW	52.0 kW
Frequency	50 Hz	Voltage	415 V
Current	118.0 A	Speed	590 rpm
Phase	3	Duty	S3
Frame	KS315SA	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	45 ℃
Drive End Bearing Size	6319	Opp Drive End Bearing Size	6319
UL	No	CSA	No
CE	No	IP Code	55
CDF	60 %	Start/Hr	6
RA	105 A	RV	305 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	<b>Bi-Directional</b>	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	Тор
Rotor GD2	22 kg⋅m²	Pull Out Torque	3.6
Connection Drawing	DP3238	Outline Drawing	cm5906

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					NOTE: 1.0 ALL DIMENSIONS ARE IN mm EXCEPT OTHERWISE SPECIFIED. 2.0 FOR TOLERANCES OF DEMENSIONS(NOT MENTIONED) REFER TO IS:2102.		narati al Beloit Co	-tric	Paha		Taratala Road. NDIA	
					3.0 DIMENSIONS MARKED * ARE MAXIMUM VALUES.				ENSIC	ON DRAWIN	NG FOR KS280S	<u>&amp; M</u>
						TITLE	KS315S	& M M	OTOR	(CYLINDR	ICAL & TAPER SH	<u> HAFT</u> )
02	28.11.11	IN THE FIGURE 'L1' AND 'LC1' DIM. INCORPORATED				DRAWN	S.B	18	3.12.07	PROJECTION	DRAWING NO.	
	06.06.11	EARTHING TERMINAL INCORPORATED					KAUSIK					
REVISION	DATE	DETAIL OF REVISION	DONE BY	APPRVD		4 of		SIGN	DATE	N.T.S	CM5906	02



Model No. KS52F	P031G60U53XSX
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Part No. AL08D72

AL08D7250MFAFTOAOO

Р	Р	n	ΡΟΤ	Т	U	f	Ι	RA	RV	CDF	Duty	No. of Starts/Hr.	Frame	
[kW]	[hp]	[RPM]	XFLT	[Nm]	(V)	[Hz]	[A]			%			Flame	
52	70	590	3.6	2693	415	50	118	105	305	60	S3	6	KS315SA	

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 <sup>2</sup>
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 starte	r
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.

