PRODUCT INFORMATION PACKET

Model No: KS53P031B60X44XSX Catalog No: KS53P031B60X44XSX 53.0 Kw, Crane Duty Slipring Motors , 3 phase, 8 Pole, 415 V, S4 Duty, KS315M2 Frame, 60 CDF, 600 Start/Hr., TEFC



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marathon®

Nameplate Specifications

Output HP	71 Hp	Output KW	53.0 kW
Frequency	50 Hz	Voltage	415 V
Current	125.0 A	Speed	744 rpm
Phase	3	Duty	S4
Frame	KS315M2	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	600
RA	87 A	RV	370 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	Тор
Rotor GD2	26.3 kg⋅m²	Pull Out Torque	5.3
Connection Drawing	DP3098	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>& 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



Part No.

Р	Р	n	ΡΟΤ	Т	U	f	I	RA	RV	CDF	Duty	No. of Starts/Hr.	Frame	
[kW]	[hp]	[RPM]	XFLT	[Nm]	(V)	[Hz]	[A]			%			Fidille	
53	71	744	5.3	3892	415	50	125	87	370	60	S4	600	KS315M2	

Motor type	Slipring	Degree of protection	IP-55	
Enclosure	TEFC	Motor weight - approx.	1475	kg
Frame Material	-	Gross wight- approx.		kg
Mounting type	IMB3	Motor GD2	26.3	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	Тор	
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.

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