PRODUCT INFORMATION PACKET

Model No: KS102P31G25V35XSX Catalog No: AL08D7230MFAFTOAOO 102.0 Kw, Crane Duty Slipring Motors , 3 phase, 6 Pole, 415 V, S5 Duty, KS315SA Frame, 25 CDF, 150 Start/Hr., TEFC



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marathon[®]

Nameplate Specifications

Output HP	137 Нр	Output KW	102.0 kW
Frequency	50 Hz	Voltage	415 V
Current	176.0 A	Speed	981 rpm
Phase	3	Duty	S5
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	25 %	Start/Hr	150
RA	163 A	RV	380 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	16.4 kg⋅m²	Pull Out Torque	2.9
Connection Drawing	DP3217	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



Model	No.	KS102P31G25V35XSX

Part No. AL08D723

AL08D7230MFAFTOAOO

Р	Р	n	POT	Т	U	f	Ι	RA	RV	CDF	Duty	No. of Starts/Hr.	Frame	
[kW]	[hp]	[RPM]	XFLT	[Nm]	(∨)	[Hz]	[A]			%			Fidilie	
102	137	981	2.9	2756	415	50	176	163	380	25	S5	150	KS315SA	

Motor type	Slipring	Degree of protection	IP-55			
Enclosure	TEFC	Motor weight - approx.	1300	kg		
Frame Material	-	Gross wight- approx.		kg		
Mounting type	IMB3	Motor GD2	16.4	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	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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