PRODUCT INFORMATION PACKET

Model No: KS44P031G60V55XSX Catalog No: AL08D7250MFAFTOAOO 44.0 Kw, Crane Duty Slipring Motors, 3 phase, 10 Pole, 415 V, S5 Duty, KS315SA Frame, 60 CDF, 150 Start/Hr., TEFC



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Motors



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Nameplate Specifications

Output HP	59 Hp	Output KW	44.0 kW
Frequency	50 Hz	Voltage	415 V
Current	109.0 A	Speed	592 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	60 %	Start/Hr	150
RA	88 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	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	22 kg⋅m²	Pull Out Torque	4.2
Connection Drawing	DP3253	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. 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]			%			France	
44	59	592	4.6	2693	415	50	115	70	380	60	S5	150	KS315SA	

Motor type	Slipring	Degree of protection	P-55
Enclosure	TEFC	Motor weight - approx. 1	.385 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 resis	stance starter
Combined variation	10%	Coupling Direct	/ Gearbox
Insulation class	F/F	Direction of rotation Bi-dir	rectional
Ambient temperature	45	Paint shade RA	L5011
Temperature rise (by resistance)	75/75	Type of Terminal Box Sta	indard
Altitude above sea level	Upto 1000	Terminal box position	Тор
Efficiency		Max. Cable size Refer t	o TBA drg.
Power Factor		Bearing type Anti	ifriction
Stator Connection	Delta	DE Bearing 6	5319
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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