

No. of Phases		3	Reference Standard		IS:12615
Frame Designation		180M	Protection IS:4691		IP 55
Rated Output	kW	9.3	Vibration Standard		IS:12075
	HP	12.5	Noise Standard		IS:12065
No. of Poles		8	Duty		S1
Rated Voltage	V	415	Insulation Class/Temp. Rise class		F/B
Rated Frequency	Hz	50	Cooling IS:6362		IC418
Rated Current	A	19.5	Terminal Box Details	Type	HM4GN
Rated Speed	rpm	725		Terminal Size	M6
Rated Torque	kgm	12.49		No. of Terminal	6
Efficiency	Full load	%	86.3	Max. cable size (Cu)	mm ² 2x3Cx25.0
	3/4 load	%	86.3	DE	6310ZZ
	1/2 load	%	83.5	NDE	6210ZZ
Power factor	Full load		0.77	Lubrication	Prelubricated
	3/4 load		0.72	Life L10 (Direct Coupled)	hrs. 50,000
	1/2 load		0.60	Regreasing Time	hrs. -
Max. Temp. Rise (Res.)	°C	70	Lifting Eyebolt		M12
Acceleration Time	sec.	-	Motor Weight (approx)		kg -
Stator Connection		D	Rotor GD ²		kgm ² 0.5057
Tropicalised? (Yes / No)		Yes	Ambient Temp.		°C 50
I _{st} / I _r		6.0		Overall Dimensions of Packed motor (LxBxH) (mm)	
T _{st} / T _r		2.1			
T _{po} / T _r		2.3		Voltage Variation ±	% 10
Locked rotor withstand time	Hot	sec.	9	Frequency Variation ±	% 5
	Cold	sec.	21	Combiend Variation ±	% 10

Customer Specific Requirements & Remarks

(1) Efficiency Class : IE2

(2) Motor Construction : TEAO

(3) Motor Mounting : IM B5

Data subject to tolerance as per IEC 60034-1

Prep.: SK

Chkd.: SPJ

Date: 07/05/2020

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