

No. of Phases		3	Noise Standard		IS:12065	
Frame Designation		160M	Duty		S1	
Rated Output	kW	3.7	Insulation Class		F	
	HP	5.0	Cooling IS:6362		IC411	
No. of Poles		8	Terminal Box Details	Type	HM4GN	
Rated Voltage		V		Terminal Size	M6	
Rated Frequency		Hz		No. of Terminal	6	
Rated Current		A		Max. cable size (Cu)	mm ² 2x3Cx25.0	
Rated Speed		rpm	722	DE	6309ZZ	
Rated Torque		kgm	4.99	NDE	6209ZZ	
Efficiency	Full load	%	81.4	Bearing Data	Lubrication	Prelubricated
	3/4 load	%	81.4		Life L10 (Direct coupled)	hrs. 50,000
	1/2 load	%	79.5		Regreasing Time	hrs. -
Power factor	Full load		0.77		Lifting Eyebolt IS:4190	M12
	3/4 load		0.71	Motor Weight (approx)	kg 118.0	
	1/2 load		0.59	Rotor GD ²	kgm ² 0.2625	
Max. Temp. Rise (Res.)		°C	70	Ambient Temp.	°C 50	
Acceleration Time		sec.	-	Overall Dimensions of Packed motor (LxBxH) (mm)		
Stator Connection			D			
Tropicalised? (Yes / No)			Yes	Voltage Variation ±	% 10	
I_{st} / I_r			6.0	Frequency Variation ±	% 5	
T_{st} / T_r			2.2	Combiend Variation ±	% 10	
T_{po} / T_r			2.4	Brake	Size	18
Locked rotor withstand time	Hot	sec.	6		Torque	Nm 150
	Cold	sec.	15		Safety Factor	3.06
Reference Standard			IS:12615		Release time	ms 300
Protection IS:4691			IP 54		Volts (DC)	V 190
Vibration Standard			IS:12075	Data subject to tolerance as per IS: 12615		

Remarks: (1) Efficiency Class : IE2
(2) Motor Construction : TEFC

Prep.: SK

Chkd.: SPJ

Date: 07/05/2020

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