

No. of Phases		3	Noise Standard		IS:12065		
Frame Designation		160M	Duty		S1		
Rated Output	kW	9.3	Insulation Class		F		
	HP	12.5	Cooling IS:6362		IC411		
No. of Poles		2	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 <sup>2</sup> 2x3Cx25.0		
Rated Speed		rpm	2930	Bearing Data	DE	6309ZZ	
Rated Torque		kgm	3.09		NDE	6209ZZ	
Efficiency	Full load	%	88.9	Lubrication	Prelubricated		
	3/4 load	%	88.9	Life L10 (Direct coupled)	hrs. 50,000		
	1/2 load	%	85.5	Regreasing Time	hrs. -		
Power factor	Full load		0.88	Lifting Eyebolt IS:4190		M12	
	3/4 load		0.85	Motor Weight (approx)	kg	111.5	
	1/2 load		0.80	Rotor GD <sup>2</sup>	kgm <sup>2</sup>	0.1301	
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	
$I_{st} / I_r$			7.0	Frequency Variation ±		% 5	
$T_{st} / T_r$			2.3	Combiend Variation ±		% 10	
$T_{po} / T_r$			2.8	Brake	Size	14	
Locked rotor withstand time	Hot	sec.	7		Torque	Nm	60
	Cold	sec.	16		Safety Factor		1.98
Reference Standard			IS:12615		Release time	ms	150
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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