

No. of Phases		3	Noise Standard		IS:12065
Frame Designation		112M	Duty		S1
Rated Output	kW	3.7	Insulation Class		F
	HP	5.0	Cooling IS:6362		IC411
No. of Poles		4	Terminal Box Details	Type	HM3GN
Rated Voltage		V 415		Terminal Size	M5
Rated Frequency		Hz 50		No. of Terminal	6
Rated Current		A 7.1		Max. cable size (Cu) mm <sup>2</sup>	2x3Cx10.0
Rated Speed		rpm 1445	Bearing Data	DE	6206ZZ
Rated Torque		kgm 2.49		NDE	6206ZZ
Efficiency	Full load	% 86.3	Lubrication	Prelubricated	
	3/4 load	% 86.3		Life L10 (Direct coupled ) hrs.	50,000
	1/2 load	% 85.0		Regreasing Time hrs.	-
Power factor	Full load	0.84		Lifting Eyebolt IS:4190	
	3/4 load	0.80	Motor Weight (approx) kg	53.5	
	1/2 load	0.68	Rotor GD <sup>2</sup> kgm <sup>2</sup>	0.0404	
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 <sub>st</sub> / I <sub>r</sub>		7.0	Frequency Variation ± %		5
T <sub>st</sub> / T <sub>r</sub>		2.4	Combiend Variation ± %		10
T <sub>po</sub> / T <sub>r</sub>		2.8	Brake	Size	14
Locked rotor withstand time	Hot sec.	6		Torque Nm	60
	Cold sec.	13		Safety Factor	2.45
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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