

No. of Phases		3	Noise Standard		IS:12065
Frame Designation		180M	Duty		S1
Rated Output	kW	22.0	Insulation Class		F
	HP	30.0	Cooling IS:6362		IC411
No. of Poles		2	Terminal Box Details	Type	HM4GN
Rated Voltage		V 415		Terminal Size	M6
Rated Frequency		Hz 50		No. of Terminal	6
Rated Current		A 38.0		Max. cable size (Cu) mm <sup>2</sup>	2x3Cx25.0
Rated Speed		rpm 2945	Bearing Data	DE	6310ZZ
Rated Torque		kgm 7.28		NDE	6210ZZ
Efficiency	Full load	% 91.3	Lubrication	Prelubricated	
	3/4 load	% 91.3		Life L10 (Direct coupled ) hrs.	50,000
	1/2 load	% 88.0		Regreasing Time hrs.	-
Power factor	Full load	0.88		Lifting Eyebolt IS:4190	
	3/4 load	0.85	Motor Weight (approx) kg	183.0	
	1/2 load	0.80	Rotor GD <sup>2</sup> kgm <sup>2</sup>	0.1972	
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>		2.3	Combiend Variation ± %		10
T <sub>po</sub> / T <sub>r</sub>		2.7	Brake	Size	18
Locked rotor withstand time	Hot sec.	8		Torque Nm	150
	Cold sec.	18		Safety Factor	2.10
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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