

No. of Phases		3	Noise Standard		IS:12065	
Frame Designation		180M	Duty		S1	
Rated Output	kW	18.5	Insulation Class		F	
	HP	25.0	Cooling IS:6362		IC411	
No. of Poles		4	Terminal Box Details	Type	HM4GN	
Rated Voltage		V 415		Terminal Size	M6	
Rated Frequency		Hz 50		No. of Terminal	6	
Rated Current		A 33.5		Max. cable size (Cu) mm ²	2x3Cx25.0	
Rated Speed		rpm 1460	Bearing Data	DE	6310ZZ	
Rated Torque		kgm 12.34		NDE	6210ZZ	
Efficiency	Full load	% 91.2	Lubrication	Prelubricated		
	3/4 load	% 91.2		Life L10 (Direct coupled)	hrs.	50,000
	1/2 load	% 90.5		Regreasing Time	hrs.	-
Power factor	Full load	0.84		Lifting Eyebolt IS:4190		M12
	3/4 load	0.80	Motor Weight (approx)		kg 186.0	
	1/2 load	0.74	Rotor GD ²		kgm ² 0.3222	
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		2.6	Brake	Size	20	
Locked rotor withstand time	Hot	sec. 6		Torque	Nm 260	
	Cold	sec. 15		Safety Factor	2.15	
Reference Standard		IS:12615		Release time	ms 400	
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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