

No. of Phases		3	Noise Standard		IS:12065
Frame Designation		160L	Duty		S1
Rated Output	kW	11.0	Insulation Class		F
	HP	15.0	Cooling IS:6362		IC411
No. of Poles		6	Terminal Box Details	Type	HM4GN
Rated Voltage		V 415		Terminal Size	M6
Rated Frequency		Hz 50		No. of Terminal	6
Rated Current		A 21.0		Max. cable size (Cu) mm <sup>2</sup>	2x3Cx25.0
Rated Speed		rpm 970	Bearing Data	DE	6309ZZ
Rated Torque		kgm 11.05		NDE	6209ZZ
Efficiency	Full load	% 88.7	Lubrication	Prelubricated	
	3/4 load	% 88.7		Life L10 (Direct coupled ) hrs.	50,000
	1/2 load	% 86.0		Regreasing Time hrs.	-
Power factor	Full load	0.82		Lifting Eyebolt IS:4190	
	3/4 load	0.77	Motor Weight (approx) kg	154.0	
	1/2 load	0.65	Rotor GD <sup>2</sup> kgm <sup>2</sup>	0.4164	
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>		2.1	Combiend Variation ± %		10
T <sub>po</sub> / T <sub>r</sub>		2.5	Brake	Size	20
Locked rotor withstand time	Hot sec.	6		Torque Nm	260
	Cold sec.	13		Safety Factor	2.40
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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