

No. of Phases		3	Noise Standard		IS:12065	
Frame Designation		90L	Duty		S1	
Rated Output	kW	1.1	Insulation Class		F	
	HP	1.5	Cooling IS:6362		IC411	
No. of Poles		6	Terminal Box Details	Type	HM2GN	
Rated Voltage		V 415		Terminal Size	M4	
Rated Frequency		Hz 50		No. of Terminal	6	
Rated Current		A 2.7		Max. cable size (Cu) mm ²	1x3Cx4.0	
Rated Speed		rpm 935	Bearing Data	DE	6205ZZ	
Rated Torque		kgm 1.15		NDE	6205ZZ	
Efficiency	Full load	% 78.1	Lubrication	Prelubricated		
	3/4 load	% 78.1	Life L10 (Direct coupled)	hrs.	50,000	
	1/2 load	% 74.0	Regreasing Time	hrs.	-	
Power factor	Full load	0.73	Lifting Eyebolt IS:4190		-	
	3/4 load	0.68	Motor Weight (approx)	kg	30.0	
	1/2 load	0.54	Rotor GD ²	kgm ²	0.0176	
Max. Temp. Rise (Res.)	°C	70	Ambient Temp.	°C	50	
Acceleration Time	sec.	-	Overall Dimensions of Packed motor (LxBxH) (mm)			
Sator Connection		Y				
Tropicalised? (Yes / No)		Yes	Voltage Variation ±	%	10	
I _{st} / I _r		5.0	Frequency Variation ±	%	5	
T _{st} / T _r		2.1	Combiend Variation ±	%	10	
T _{po} / T _r		2.5	Brake	Size	12	
Locked rotor withstand time	Hot	sec. 13		Torque	Nm	32
	Cold	sec. 29		Safety Factor		2.85
Reference Standard		IS:12615		Release time	ms	120
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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