

No. of Phases		3	Noise Standard		IS:12065
Frame Designation		90S	Duty		S1
Rated Output	kW	1.1	Insulation Class		F
	HP	1.5	Cooling IS:6362		IC411
No. of Poles		4	Terminal Box Details	Type	HM2GN
Rated Voltage		V 415		Terminal Size	M4
Rated Frequency		Hz 50		No. of Terminal	6
Rated Current		A 2.4		Max. cable size (Cu) mm ²	1x3Cx4.0
Rated Speed		rpm 1430	Bearing Data	DE	6205ZZ
Rated Torque		kgm 0.75		NDE	6205ZZ
Efficiency	Full load	% 81.4	Lubrication	Prelubricated	
	3/4 load	% 81.4		Life L10 (Direct coupled) hrs.	50,000
	1/2 load	% 80.0		Regreasing Time hrs.	-
Power factor	Full load	0.78	Lifting Eyebolt IS:4190		-
	3/4 load	0.73	Motor Weight (approx) kg	26.0	
	1/2 load	0.65	Rotor GD ² kgm ²	0.0093	
Max. Temp. Rise (Res.) °C		70	Ambient Temp. °C		50
Acceleration Time sec.		-	Overall Dimensions of Packed motor (LxBxH) (mm)		
Stator Connection		Y			
Tropicalised? (Yes / No)		Yes	Voltage Variation ± %		10
I _{st} / I _r		6.0	Frequency Variation ± %		5
T _{st} / T _r		2.5	Combiend Variation ± %		10
T _{po} / T _r		3.0	Brake	Size	12
Locked rotor withstand time	Hot sec.	6		Torque Nm	32
	Cold sec.	14		Safety Factor	4.35
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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