

No. of Phases		3	Noise Standard		IS:12065
Frame Designation		90S	Duty		S1
Rated Output	kW	1.5	Insulation Class		F
	HP	2.0	Cooling IS:6362		IC411
No. of Poles		2	Terminal Box Details	Type	HM2GN
Rated Voltage		V 415		Terminal Size	M4
Rated Frequency		Hz 50		No. of Terminal	6
Rated Current		A 3.2		Max. cable size (Cu) mm <sup>2</sup>	1x3Cx4.0
Rated Speed		rpm 2870	Bearing Data	DE	6205ZZ
Rated Torque		kgm 0.51		NDE	6205ZZ
Efficiency	Full load	% 81.3	Lubrication	Prelubricated	
	3/4 load	% 81.3		Life L10 (Direct coupled ) hrs.	50,000
	1/2 load	% 77.0		Regreasing Time hrs.	-
Power factor	Full load	0.80		Lifting Eyebolt IS:4190	
	3/4 load	0.77	Motor Weight (approx) kg	23.0	
	1/2 load	0.73	Rotor GD <sup>2</sup> kgm <sup>2</sup>	0.0072	
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
$I_{st} / I_r$		6.5	Frequency Variation ± %		5
$T_{st} / T_r$		2.4	Combiend Variation ± %		10
$T_{po} / T_r$		2.8	Brake	Size	10
Locked rotor withstand time	Hot sec.	5		Torque Nm	16
	Cold sec.	12		Safety Factor	3.20
Reference Standard		IS:12615		Release time ms	90
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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