

No. of Phases		3	Reference	Performance	IS:12615
Frame Designation		90 FLP	Standard	Enclosure	IS:60079-1
Rated Output	kW	0.37	Protection IS:4691		IP 55
	HP	0.5	Vibration Standard		IS:12075
No. of Poles		8	Noise Standard		IS:12065
Rated Voltage		V	Duty		S1
Rated Frequency		Hz	Insulation Class/Temp. Rise class		F/B
Rated Current		A	Cooling IS:6362		IC411
Rated Speed		rpm	Terminal Box Details	Terminal Size	M4
Rated Torque		kgm		No. of Terminal	6
Efficiency	Full load	%		69.3	Max. cable size
	3/4 load	%	69.3	DE	6205ZZ
	1/2 load	%	60.0	NDE	6205ZZ
Power factor	Full load		0.57	Lubrication	Prelubricated
	3/4 load		0.48	Life L10 (Direct coupled)	hrs. 50,000
	1/2 load		0.40	Regreasing Time	hrs. -
Temp. Rise (Res.)		°C	70	Lifting Eyebolt IS:4190	-
Acceleration Time		sec.	-	Motor Weight (approx)	kg 44
Stator Connection			Y	Rotor GD ²	kgm ² 0.0122
Tropicalised? (Yes/No)			Yes	Ambient Temp.	°C 50
I _{st} / I _r		%	4.5	Overall Dimensions of Packed motor (LxBxH) (mm)	
T _{st} / T _r		%	2.0	-	
T _{po} / T _r		%	2.2	Voltage Variation ±	% 10
Locked rotor withstand time	Hot	sec	14	Frequency Variation ±	% 5
	Cold	sec	32	Combiend Variation ±	% 10

Customer Specific Requirements & Remarks

(1) Efficiency Class : IE3

(2) Motor Construction : TEFC

(3) Motor suitable for Gas Gr. IIA / IIB, Zone I & II

(4) Temp Class: T4 & Explosion Protection : Ex 'd'

Data subject to tolerance as per IS:12615.

Prep.: SK

Chkd.: SPJ

Date: 22/06/2020

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