

No. of Phases		3		Reference Performance	IS:12615		
Frame Designation		315SX FLP		Standard Enclosure	IS:60079-1		
Rated Output	kW	55.0		Protection IS:4691		IP 55	
	HP	75.0		Vibration Standard		IS:12075	
No. of Poles		8		Noise Standard		IS:12065	
Rated Voltage		V	415		Duty S1		
Rated Frequency		Hz	50		Insulation Class/Temp. Rise class F/B		
Rated Current		A	108.4		Cooling IS:6362 IC411		
Rated Speed		rpm	737		Terminal Box Details	Terminal Size M12	
Rated Torque		kgm	72.69			No. of Terminal 6	
Efficiency	Full load	%	91.0		Bearing Data	Max. cable size mm ² 2x3Cx150.0	
	3/4 load	%	91.0			DE 6319	
	1/2 load	%	90.0			NDE 6319	
Power factor	Full load	0.78		Lubrication	Mobil / Unirex N3		
	3/4 load	0.72			Life L10 (Direct coupled) hrs.	50,000	
	1/2 load	0.60			Regreasing Time hrs.	4,000	
Temp. Rise (Res.)		°C	70		Lifting Eyebolt IS:4190 M30		
Acceleration Time		sec.	-		Motor Weight (approx) kg 1095		
Stator Connection		D		Rotor GD ² kgm ² 7.2611			
Tropicalised? (Yes/No)		Yes		Ambient Temp. °C 50			
I _{st} / I _r		%	6.0		Overall Dimensions of Packed motor (LxBxH) (mm)		
T _{st} / T _r		%	2.1				
T _{po} / T _r		%	2.3		Voltage Variation ± % 10		
Locked rotor withstand time	Hot	sec	10		Frequency Variation ± % 5		
	Cold	sec	22		Combiend Variation ± % 10		

Customer Specific Requirements & Remarks

- (1) Efficiency Class : IE2
- (2) Motor Construction : TEFC
- (3) Motor suitable for Gas Gr. IIA / IIB, Zone I & II
- (4) Temp Class: T5 & Explosion Protection : Ex 'd'

Data subject to tolerance as per IS:12615.

Prep.: SK	Chkd.: SPJ
Date: 22/06/2020	Date: 22/06/2020