



**DATA SHEET:  
FLAMEPROOF INDUCTION MOTOR**

**Motor Type  
2FE3 106-08**

No. of Phases		3		Reference	Performance	IS:12615	
Frame Designation		100L FLP		Standard	Enclosure	IS:60079-1	
Rated Output	kW	0.75		Protection IS:4691		IP 55	
	HP	1.0		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	2.1		Cooling IS:6362		IC411
Rated Speed		rpm	700		Terminal Box Details	Terminal Size	M5
Rated Torque		kgm	1.04			No. of Terminal	6
Efficiency	Full load	%	75.0		Bearing Data	Max. cable size	mm <sup>2</sup> 2x3Cx10.0
	3/4 load	%	75.0			DE	6206ZZ
	1/2 load	%	71.0			NDE	6206ZZ
Power factor	Full load	0.66		Lubrication	Prelubricated		
	3/4 load	0.58			Life L10 (Direct coupled)	hrs. 50,000	
	1/2 load	0.48			Regreasing Time	hrs. -	
Temp. Rise (Res.)		°C	70		Lifting Eyebolt IS:4190		M8
Acceleration Time		sec.	-		Motor Weight (approx)		kg 54
Stator Connection		Y		Rotor GD <sup>2</sup>		kgm <sup>2</sup> 0.0228	
Tropicalised? (Yes/No)		Yes		Ambient Temp.		°C 50	
I <sub>st</sub> / I <sub>r</sub>		%	5.0		Overall Dimensions of Packed motor (LxBxH) (mm)		
T <sub>st</sub> / T <sub>r</sub>		%	2.0				
T <sub>po</sub> / T <sub>r</sub>		%	2.2		Voltage Variation ±		% 10
Locked rotor withstand time	Hot	sec	8		Frequency Variation ±		% 5
	Cold	sec	19		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: 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