



**DATA SHEET:  
FLAMEPROOF INDUCTION MOTOR**

**Motor Type  
2FE2 130-08**

No. of Phases		3	Reference	Performance	IS:12615
Frame Designation		132M FLP	Standard	Enclosure	IS:60079-1
Rated Output	kW	2.2	Protection IS:4691		IP 55
	HP	3.0	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 5.3	Cooling IS:6362		IC411
Rated Speed		rpm 715	Terminal Box Details	Terminal Size	M5
Rated Torque		kgm 3.00		No. of Terminal	6
Efficiency	Full load	%	77.6	Max. cable size	mm <sup>2</sup> 2x3Cx10.0
	3/4 load	%	77.6	DE	6308ZZ
	1/2 load	%	75.0	NDE	6208ZZ
Power factor	Full load		0.74	Lubrication	Prelubricated
	3/4 load		0.66	Life L10 (Direct coupled)	hrs. 50,000
	1/2 load		0.53	Regreasing Time	hrs. -
Temp. Rise (Res.)		°C 70	Lifting Eyebolt IS:4190		M10
Acceleration Time		sec. -	Motor Weight (approx)		kg 84
Stator Connection		D	Rotor GD <sup>2</sup>		kgm <sup>2</sup> 0.0826
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>		%	2.2		
T <sub>po</sub> / T <sub>r</sub>		%	2.4	Voltage Variation ±	% 10
Locked rotor withstand time	Hot	sec	9	Frequency Variation ±	% 5
	Cold	sec	20	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