hindustan ELECTRIC MOTORS	DATA SHEET: FLAMEPROOF INDUCTION MOTOR	Motor Type **2FE2 073-08**

No. of Phases			3	Reference Standard	Performance		IS:12615
Frame Designation			71 FLP		Enclosure		IS:60079-1
Rated Output		kW	0.12	Protection IS:4691			IP 55
		HP	0.16	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	0.75	Cooling IS:6362			IC411
Rated Speed		rpm	680	Terminal Box Details	Terminal Size		M4
Rated Torque		kgm	0.17		No. of Terminal		6
Efficiency	Full load	%	39.8		Max. cable size	mm²	1x3Cx4.0
	3/4 load	%	39.8	Bearing Data	DE		6202ZZ
	1/2 load	%	35.0		NDE		6202ZZ
Power factor	Full load		0.56		Lubrication		Prelubricated
	3/4 load		0.50		Life L10 (Direct coupled)	hrs.	50,000
	1/2 load		0.42		Regreasing Time	hrs.	-
Temp. Rise (Res.)		°C	70	Lifting Eyebolt IS:4190			-
Acceleration Time		sec.	-	Motor Weight (approx)		kg	22
Stator Connection			Y	Rotor GD²		kgm²	0.0033
Tropicalised? (Yes/No)			Yes	Ambient Temp.		°C	50
I_{st} / I_r		%	3.5	Overall Dimensions of Packed motor (LxBxH) (mm)			
T_{st} / T_r		%	1.6	-			
T_{po} / T_r		%	2.0	Voltage Variation ±		%	10
Locked rotor withstand time	Hot	sec	8	Frequency Variation ±		%	5
	Cold	sec	18	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	