

			DATA SHEET: FLAMEPROOF INDUCTION MOTOR			Motor Type <b>2FE2 096-08</b>			
No. of Phases			3	Reference	Performance		IS:12615		
Frame Designation			90 FLP	Standard	Enclosure		IS:60079-1		
Rated Output			kW	0.55	Protection IS:4691		IP 55		
			HP	0.75	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	2.0	Cooling IS:6362		IC411		
Rated Speed			rpm	700	Terminal Box Details	Terminal Size		M4	
Rated Torque			kgm	0.77		No. of Terminal		6	
Efficiency	Full load		%	61.7	Bearing Data	Max. cable size		mm <sup>2</sup> 1x3Cx4.0	
	3/4 load		%	61.7		DE		6205ZZ	
	1/2 load		%	56.0		NDE		6205ZZ	
Power factor	Full load			0.62	Lubrication		Prelubricated		
	3/4 load			0.54	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	43	
Stator Connection			Y	Rotor GD <sup>2</sup>		kgm <sup>2</sup>	0.0122		
Tropicalised? (Yes/No)			Yes	Ambient Temp.		°C	50		
I <sub>st</sub> / I <sub>r</sub>			%	4.5	Overall Dimensions of Packed motor (LxBxH) (mm)				
T <sub>st</sub> / T <sub>r</sub>			%	1.8					
T <sub>po</sub> / T <sub>r</sub>			%	2.0	Voltage Variation ±		%	10	
Locked rotor withstand time			Hot	sec	7	Frequency Variation ±		%	5
			Cold	sec	17	Combiend Variation ±		%	10
<b>Customer Specific Requirements &amp; Remarks</b>									
(1) Efficiency Class : IE2									
(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			Date: 22/06/2020						