


IEC LV Motors		Technical Data Sheet				
		Project	Location			
		United Arab Emirates				
Customer Trielectric International FZE		Contact Mr.Saravanan(+971564345964)	Contact Mr.Tamil(+971502353763)	Item name 1.00001		
Our ref. Stock		Rev/Changed by A	Date of issue 9/14/2021	Saving ident	Pages 1(3)	
No.	Definition	Data	Unit	Remarks		
1	Product	TEFC, 3-phase, squirrel cage induction motor				
2	Product code	3GBA 071 310-BSCIN			Calc. ref.	3GZH021007-12
3	Type/Frame	M2BAX 71MA 2				
4	Mounting	IM3001, B5(flange)				
5	Rated output P _N	0.37	kW			
6	Service factor	1				
7	Type of duty	S1 100%				
8	Rated voltage U _N	400	VY	± 5 %		
9	Rated frequency f _N	50	Hz	± 2 %		
10	Rated speed n _N	2760	r/min			
11	Rated current I _N	0.93	A			
12						
13	Starting current I _s /I _N	5				
14	Nominal torque T _N	1.28	Nm			
15	Locked rotor torque T _s /T _N	2				
16	Maximum torque T _{max} /T _N	2.4				
17						
18						
	Load characteristics	Load %	Current A	Efficiency %	Power factor	
19	PLL determined from residual loss	100	0.93	72.2 / IE4	0.79	
20		75	0.76	72.9	0.72	
21		50	0.63	70.3	0.6	
22						
23	Thermal withstand time hot	5	s			
24	Thermal withstand time cold	12	s			
25	Insulation class / Temperature class	F / B				
26	Ambient temperature	50				
27	Altitude	1000	m.a.s.l.			
28	Degree of protection	IP55				
29	Cooling system	IC411				
30	Bearing DE/NDE	6203-2Z/C3 - 6202-2Z/C3				
31	Sound pressure level (LP dB(A) 1m)	75	dB(A)	at no-load		
32	Moment of inertia J = ¼ GD2	0.00033	kg-m2			
33	Position of terminal box	Top				
34	Direction of rotation	Bi-directional				
35	Weight of rotor	1	kg			
36	Total weight of motor	9	kg			
37	Paint shade	Munsell Blue				
38	Cable size					
39	Vibration	As Per IS 12075				
40						
41						
42						
43						
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45						
Ex-motors						
46						
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Option Variant Codes / Definition						
49						
50						
51						
52						
Remarks:						
Applicable standards: IS 12615:2018, IEC 60034-30-1:2014						
All performance values are subject to IS/IEC tolerances						