



Technical Data Sheet



Project Location
United Arab Emirates

Customer
Trielectric International FZE

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Item name
1.00016

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 201 420-BDCIN		
3	Type/Frame	M2BAX 200MLB 2		
4	Mounting	IM3001, B5(flange)		
5	Rated output P _N	37	kW	
6	Service factor	1		
7	Type of duty	S1 100%		
8	Rated voltage U _N	400	VD	± 5 %
9	Rated frequency f _N	50	Hz	± 2 %
10	Rated speed n _N	2950	r/min	
11	Rated current I _N	66.4	A	
12				
13	Starting current I _s /I _N	7		
14	Nominal torque T _N	120	Nm	
15	Locked rotor torque T _s /T _N	3		
16	Maximum torque T _{max} /T _N	3.8		
17				
18				
	Load characteristics	Load %	Current A	Efficiency % Power factor
19	PLL determined from residual loss	100	66.4	92.5 / IE2 0.87
20		75	51.4	92.8 0.84
21		50	37.8	91.7 0.77
22				
23	Thermal withstand time hot	15	s	
24	Thermal withstand time cold	24	s	
25	Insulation class / Temperature class	F / B		
26	Ambient temperature	50	°C	
27	Altitude	1000	m.a.s.l.	
28	Degree of protection	IP55		
29	Cooling system	IC411		
30	Bearing DE/NDE	6312-2Z/C3 - 6209-2Z/C3		
31	Sound pressure level (LP dB(A) 1m)	85	dB(A)	at no-load
32	Moment of inertia J = ¼ GD2	0.1332	kg-m2	
33	Position of terminal box	Top		
34	Direction of rotation	Bi-directional		
35	Weight of rotor	55	kg	
36	Total weight of motor	232	kg	
37	Paint shade	Munsell Blue		
38	Cable size			
39	Vibration	As Per IS 12075		
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46	Ex-motors			
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Option Variant Codes / Definition

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Remarks:

Applicable standards: IS 12615:2018, IEC 60034-30-1:2014

All performance values are subject to IS/IEC tolerances

