



Technical Data Sheet - DOL



Project Location
United Arab Emirates

Company **Trielectric International FZE** Contact **Mr.Saravanan(+971564345964)** Contact **Mr.Thamizh(+91502353763)** Item name **1.00002**

Our ref. **Stock** Rev/Changed by **A** Date of issue **9/15/2021** Saving ident Pages **1(3)**

No.	Definition	Data	Unit	Remarks
1	Product	TEFC, 3-phase, squirrel cage induction motor		
2	Product code	3GAA 083 313-BSE		Calc. ref. 3GZF021008-594
3	Type/Frame	M3AA 80C 6		
4	Mounting	IM3001, B5(flange)		
5	Rated output P _N	0.55	kW	
6	Service factor	1		
7	Type of duty	S1(IEC) 100%		
8	Rated voltage U _N	400	VY	± 5 % (IEC 60034-1)
9	Rated frequency f _N	50	Hz	± 2 % (IEC 60034-1)
10	Rated speed n _N	905	r/min	
11	Rated current I _N	1.42	A	
12	No-load current	0.82	A	
13	Starting current I _s /I _N	4.4		Meet IEC 60034-12, N,(H at 60 Hz)
14	Nominal torque T _N	5.8	Nm	
15	Locked rotor torque T _s /T _N	2.7		
16	Maximum torque T _{max} /T _N	2.6		
17	Minimum torque T _{min} /T _N	2.5		
18	Speed at minimum torque	150	r/min	
Load characteristics (IEC 60034-2-1:2014)		Load %	Current A	Efficiency %
19	PLL determined from residual loss	100	1.42	73.1 / IE2
20		75	1.19	75.9
21		50	1	75.1
22		Start	6.2	0.76
23	Maximum starting time from hot	40	s	
24	Maximum starting time from cold	72	s	
25	Insulation class / Temperature class	F / B		
26	Ambient temperature	40	°C	
27	Altitude	1000	m.a.s.l.	
28	Enclosure	IP55		
29	Cooling system	IC411 self ventilated		
30	Bearing DE/NDE	6204-2Z/C3 - 6203-2Z/C3		
31	Type of Grease			
32	Sound pressure level (LP dB(A) 1m)	47	dB(A)	at load
33	Moment of inertia J = ¼ GD ²	0.0034	kg-m ²	
34	Balancing			
35	Vibration class			
36	Position of terminal box	Top		
37	Terminal box entries; no, dimens.			
38	Number of power terminals			
39	Direction of rotation	CW or CCW		
40	Weight of rotor	4	kg	
41	Total weight of motor	15	kg	
42	Dimension drawing no.			
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Ex-motors

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Option Variant Codes / Definition

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Remarks:

Data based on situation 2/27/2021
All data subject to tolerances in accordance with IEC
Guaranteed values on request