

IEC LV Motors		Technical Data Sheet			
		Project		Location	
Department/Author		Customer name		Customer ref	Item name 1.00009
Our ref.		Rev/Changed by A	Date of issue 2/8/2023	Saving ident untitled.xlsm	Pages 1(3)
No.	Definition	Data	Unit	Remarks	
1	Product	TEFC, 3-phase, squirrel cage induction motor			
2	Product code	3GBA 132 410-ADDIN		Calc. ref.	3GZH021013-61
3	Type/Frame	M2BAX 132MLA 4			
4	Mounting	IM1001, B3(foot)			
5	Rated output P _N	7.5	kW		
6	Service factor	1			
7	Type of duty	S1 100%			
8	Rated voltage U _N	415	VD	+10, -10 %	
9	Rated frequency f _N	50	Hz	+5, -5 %	
10	Rated speed n _N	1462	r/min		
11	Rated current I _N	15.4	A		
12					
13	Starting current I _s /I _N	7			
14	Nominal torque T _N	49	Nm		
15	Locked rotor torque T _s /T _N	2.1			
16	Maximum torque T _{max} /T _N	3.2			
17					
18					
	Load characteristics	Load %	Current A	Efficiency %	Power factor
19		100	15.4	90.4 / IE3	0.75
20		75	12.7	90.9	0.68
21		50	10.3	90.3	0.56
22					
23	Thermal withstand time hot	8	s		
24	Thermal withstand time cold	16	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	6208-2Z/C3 - 6208-2Z/C3			
31	Sound pressure level (LP dB(A) 1m)	68	dB(A)	at no-load	
32	Moment of inertia J = ¼ GD2	0.0411	kg-m2		
33	Position of terminal box	Top			
34	Direction of rotation	Bi-directional			
35	Weight of rotor	21	kg		
36	Total weight of motor	84	kg		
37	Paint shade	Munsell Blue			
38	Cable size				
39	Vibration	As Per IS 12075			
40					
41					
42					
43					
44					
45					
Ex-motors					
46					
47					
48					
Option Variant Codes / Definition					
49	+552 BIS licence for India				
50	+002 Restamping voltage, frequency and output, continuous duty				
51					
52					
Remarks:					
Applicable standards: IS 12615:2018, IEC 60034-30-1:2014					

All performance values are subject to IS/IEC tolerances





