

ABB Motors and Generators		Technical Data Sheet - DOL		
		Project	Location	
Department/Author		Customer name		Customer ref.
Our ref.		Rev/Changed by A	Date of issue 3/19/2018	Saving ident untitled.xls
				Item name 1.00001
				Pages 1(3)
No.	Definition	Data	Unit	Remarks
1	Product	TEFC, 3-phase, squirrel cage induction motor		
2	Product code	EMVM09756C-PP (3GBP 093 570-BCK)		
3	Type/Frame	M3BP 90LG 6		
4	Mounting	IM3601, B14(flange)		
5	Rated output P _N	0.75	kW	
6	Service factor	1		
7	Type of duty	S1(IEC) 100%		
8	Rated voltage U _N	460	VY	± 5 % (IEC 60034-1)
9	Rated frequency f _N	60	Hz	± 2 % (IEC 60034-1)
10	Rated speed n _N	1146	r/min	
11	Rated current I _N	1.6	A	
12	No-load current	0.96	A	
13	Starting current I _s /I _N	5.5		Meet IEC 60034-12, N,(H at 60 Hz)
14	Nominal torque T _N	6.2	Nm	
15	Locked rotor torque T _s /T _N	2.6		
16	Maximum torque T _{max} /T _N	3.2		
17	Minimum torque T _{min} /T _N	2.5		
18	Speed at minimum torque	180	r/min	
Load characteristics (CSA 390-10)		Load %	Current A	Efficiency %
19	NEMA nominal efficiency (*)	100	1.6	32.5 / IE3 / 80.0
20		75	1.34	82.5
21		50	1.13	80.2
22		Start	8.8	0.45
23	Maximum starting time from hot	34	s	
24	Maximum starting time from cold	62	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	6205-2Z/C3 - 6204-2Z/C3		
31	Type of Grease			
32	Sound pressure level (LP dB(A) 1m)	47	dB(A)	at load
33	Moment of inertia J = ¼ GD2	0.0072	kg-m2	
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	8	kg	
41	Total weight of motor	34	kg	
42	Dimension drawing no.			
43				
44				
45				
Ex-motors				
46				
47				
48				
Option Variant Codes / Definition				
49	+047 IM 3601 flange mounted, IEC flange, from IM 3001 (B14 from B5)			
50	+509 Fulfilling EISA Subtype I efficiency requirements, CC031A			
51				
52				
Remarks:				
Data based on situation 7/17/2017				
All data subject to tolerances in accordance with IEC				
Guaranteed values on request				



