

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 Pages 1(3)	
No.	Definition	Data	Unit	Remarks	
1	Product	TEFC, 3-phase, squirrel cage induction motor			
2	Product code	EMVM08752C-PP (3GBP 081 340-BCK)		Calc. ref.	3GZF021008-136
3	Type/Frame	M3BP 80MD 2			
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	$\pm 5\%$ (IEC 60034-1)	
9	Rated frequency f_N	60	Hz	$\pm 2\%$ (IEC 60034-1)	
10	Rated speed n_N	3484	r/min		
11	Rated current I_N	1.33	A		
12	No-load current	0.53	A		
13	Starting current I_s/I_N	7.4		Meet IEC 60034-12, N	
14	Nominal torque T_N	2.1	Nm		
15	Locked rotor torque T_s/T_N	3.3			
16	Maximum torque T_{max}/T_N	4.2			
17	Minimum torque T_{min}/T_N	3.2			
18	Speed at minimum torque	612	r/min		
Load characteristics (CSA 390-10)		Load %	Current A	Efficiency %	Power factor
19	NEMA nominal efficiency (*)	100	1.33	77.0 / IE3 / 75.5	0.86
20		75	1.15	75.8	0.81
21		50	0.92	71.3	0.72
22		Start	9.8		0.7
23	Maximum starting time from hot	17	s		
24	Maximum starting time from cold	31	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)	60	dB(A)	at load	
33	Moment of inertia $J = \frac{1}{4} GD^2$	0.0012	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	3	kg		
41	Total weight of motor	18	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 7/6/2017					
All data subject to tolerances in accordance with IEC					
Guaranteed values on request					



