

ABB Motors and Generators		Technical Data Sheet - DOL			
		Project		Location	
Department/Author		Customer name		Customer ref.	Item name
Our ref.		Rev/Changed by	Date of issue	Saving ident	Pages 1(3)

No.	Definition	Data	Unit	Remarks	
1	Product	TEFC, 3-phase, squirrel cage induction motor			
2	Product code	EMVM13752C-PP (3GBP131270-BPK+047+332+509)			
3	Type/Frame	M3BP 132 SMG 2			
4	Mounting	IM3601, B14(flange)			
5	Rated output P _N	7.5	kW		
6	Service factor	1			
7	Type of duty	S1(IEC) 100%			
8	Rated voltage U _N	460	VD	± 5 % (IEC 60034-1)	
9	Rated frequency f _N	60	Hz	± 2 % (IEC 60034-1)	
10	Rated speed n _N	3518	r/min		
11	Rated current I _N	11.5	A		
12	No-load current	3.4	A		
13	Starting current I _s /I _N	9.3		Fullfilled IEC 60034-12 design N,H	
14	Nominal torque T _N	20.4	Nm		
15	Locked rotor torque T _s /T _N	3.3			
16	Maximum torque T _{max} /T _N	5.4			
17	Minimum torque T _{min} /T _N	2.8			
18	Speed at minimum torque	612	r/min		
19	Load characteristics (CSA 390-10)	Load %	Current A	Efficiency %	Power factor
20	NEMA nominal efficiency (*)	100	11.5	90.2 / IE3 / 89.5	0.9
21		75	8.8	90.3	0.88
22		50	6.4	89.5	0.82
23		Start	107		0.32
24	Maximum starting time from hot	15	s		
25	Maximum starting time from cold	27	s		
26	Insulation class / Temperature class	F / B			
27	Ambient temperature	40	°C		
28	Altitude	1000	m.a.s.l.		
29	Enclosure	IP55			
30	Cooling system	IC411 self ventilated			
31	Bearing DE/NDE	6208-2Z/C3 - 6208-2Z/C3			
32	Type of Grease	Greased for life			
33	Sound pressure level (LP dB(A) 1m)	77	dB(A)		at load
34	Moment of inertia J = ¼ GD2	0.0218	kg-m2		
35	Balancing	Half Key			
36	Vibration class	Grade A			
37	Position of terminal box	Top			
38	Terminal box entries; no, dimens.	2xM32x1.5			
39	Number of power terminals	6			
40	Direction of rotation	CW or CCW			
41	Total weight of motor	77	kg		
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Variant Codes / Definition

047 = IM 3601 flange mounted, IEC flange, from IM 3001 (B14 from B5)
332 = Baldor catalog number
509 = Fulfilling EISA Subtype I efficiency requirements, CC031A

Remarks:

 Data based on situation

 All data subject to tolerances in accordance with IEC

 Guaranteed values on request



