

ABB Motors and Generators		Technical Data Sheet - DOL			
Project		Location			
Department/Author		Customer name		Customer ref.	
Our ref.		Rev/Changed by		Date of issue	
		A		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	EMVM08376D-PP (3GBP 083 340-BCK)			
3	Type/Frame	Calc. ref. 3GZF021008-147			
4	Mounting	M3BP 80MD 6			
5	Rated output P _N	IM3001, B5(flange)			
6	Service factor	0.37 kW			
7	Type of duty	1			
8	Rated voltage U _N	S1(IEC) 100%			
9	Rated frequency f _N	460 VY ± 5 % (IEC 60034-1)			
10	Rated speed n _N	60 Hz ± 2 % (IEC 60034-1)			
11	Rated current I _N	1138 r/min			
12	No-load current	0.84 A			
13	Starting current I _s /I _N	0.64 A			
14	Nominal torque T _N	4 Meet IEC 60034-12, N			
15	Locked rotor torque T _s /T _N	3.1 Nm			
16	Maximum torque T _{max} /T _N	1.7			
17	Minimum torque T _{min} /T _N	2.4			
18	Speed at minimum torque	1.7			
19	Load characteristics (IEC 60034-2-1:2014)	Load %	Current A	Efficiency %	Power factor
20	PLL determined from residual loss	100	0.84	78.4 / IE3	0.68
21		75	0.76	78	0.59
22		50	0.67	75	0.46
23		Start	3.4		0.68
24	Maximum starting time from hot	35 s			
25	Maximum starting time from cold	63 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	6204-2Z/C3 - 6203-2Z/C3			
32	Type of Grease				
33	Sound pressure level (LP dB(A) 1m)	50 dB(A) at load			
34	Moment of inertia J = ¼ GD2	0.0028 kg-m2			
35	Balancing				
36	Vibration class				
37	Position of terminal box	Top			
38	Terminal box entries; no, dimens.				
39	Number of power terminals				
40	Direction of rotation	CW or CCW			
41	Weight of rotor	4 kg			
42	Total weight of motor	16 kg			
43	Dimension drawing no.				
44					
45					
Ex-motors					
46					
47					
48					
Option Variant Codes / Definition					
49					
50					
51					
52					
Remarks:					
Data based on situation 7/6/2015					
All data subject to tolerances in accordance with IEC					
Guaranteed values on request					



