

ABB Motors and Generators		Technical Data Sheet				
		Project	Location			
Department/Author	Customer name		Customer ref.		Item name	
Our ref.	Rev/Changed by	Date of issue	Saving ident		Pages	
	A	12/21/2017	untitled.xls		1(3)	
No.	Definition	Data	Unit	Remarks		
1	Product	TEFC, 3-phase, squirrel cage induction motor				
2	Product code	E2BA355SMB6				
3	Type/Frame	E2BA355SMB6				
4	Mounting	IM1001, B3(foot)				
5	Rated output P_N	200	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	990	r/min			
11	Rated current I_N	349	A			
12	Method of starting	DOL				
13	Starting current I_s/I_N	7				
14	Nominal torque T_N	1929	Nm			
15	Locked rotor torque T_s/T_N	2.5				
16	Maximum torque T_{max}/T_N	2.8				
17						
18						
	Load characteristics	Load %	Current A	Efficiency %	Power factor	
19	PLL determined from residual loss	100	349	95.0 / IE2	0.84	
20		75	278	95	0.79	
21		50	214	93	0.7	
22						
23	Thermal withstand time hot	65	s			
24	Thermal withstand time cold	124	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 self ventilated				
30	Bearing DE/NDE	6322/C3 - 6319/C3				
31	Sound pressure level (LP dB(A) 1m)	85	dB(A)	at no-load		
32	Moment of inertia $J = \frac{1}{4} GD^2$	11.685	kg-m2			
33	Position of terminal box	Top				
34	Direction of rotation	Bi-directional				
35	Total weight of motor	1720	kg			
36						
37						
38						
39						
40						
41						
42						
43						
44						
45						
Ex-motors						
46						
47						
48						
Option Variant Codes / Definition						
49	Application check not made in absence of load details.					
50	Efficiency level : IE2 as per IS12615 2018.					
51						
52						
Remarks:						

All performance values are subject to IS/IEC tolerances







