


ABB Motors and Generators		Technical Data Sheet				
Department/Author		Project	Location		Item name	
Our ref.		Rev/Changed by	Date of issue	Saving ident	Pages	
		A	1/18/2019	untitled.xls	1.00001 1(3)	
No.	Definition	Data	Unit	Remarks		
1	Product	TEFC, 3-phase, squirrel cage induction motor				
2	Product code	E3BAF355MLB6H				
3	Type/Frame	E3BAF355MLB6H				
4	Mounting	IM3001, B5(flange)				
5	Rated output P _N	355	kW			
6	Service factor	1				
7	Type of duty	S1 100%				
8	Rated voltage U _N	415	VD	± 10 %		
9	Rated frequency f _N	50	Hz	± 5 %		
10	Rated speed n _N	990	r/min			
11	Rated current I _N	614	A			
12	Method of starting	DOL				
13	Starting current I _s /I _N	7.7				
14	Nominal torque T _N	3424	Nm			
15	Locked rotor torque T _S /T _N	1.3				
16	Maximum torque T _{max} /T _N	2.7				
17						
18						
Load characteristics		Load %	Current A	Efficiency %	Power factor	
19	PLL determined from residual loss	100	614	95.8 / IE3	0.84	
20		75	483	95.8	0.8	
21		50	371	93.8	0.71	
22						
23	Thermal withstand time hot	58	s			
24	Thermal withstand time cold	116	s			
25	Insulation class / Temperature class	F / F				
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 = ¼ GD ²	15.975	kg-m ²			
33	Position of terminal box	Top				
34	Direction of rotation	Bi-directional				
35	Total weight of motor	2250	kg			
36		User defined motor				
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45						
Ex-motors						
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48						
Option Variant Codes / Definition						
49	Application check not made in absence of load details					
50	Efficiency level: IE3 as per IS 12615 2018					
51	Temperature rise limited to class F					
52						
Remarks:						
10/2/2014						