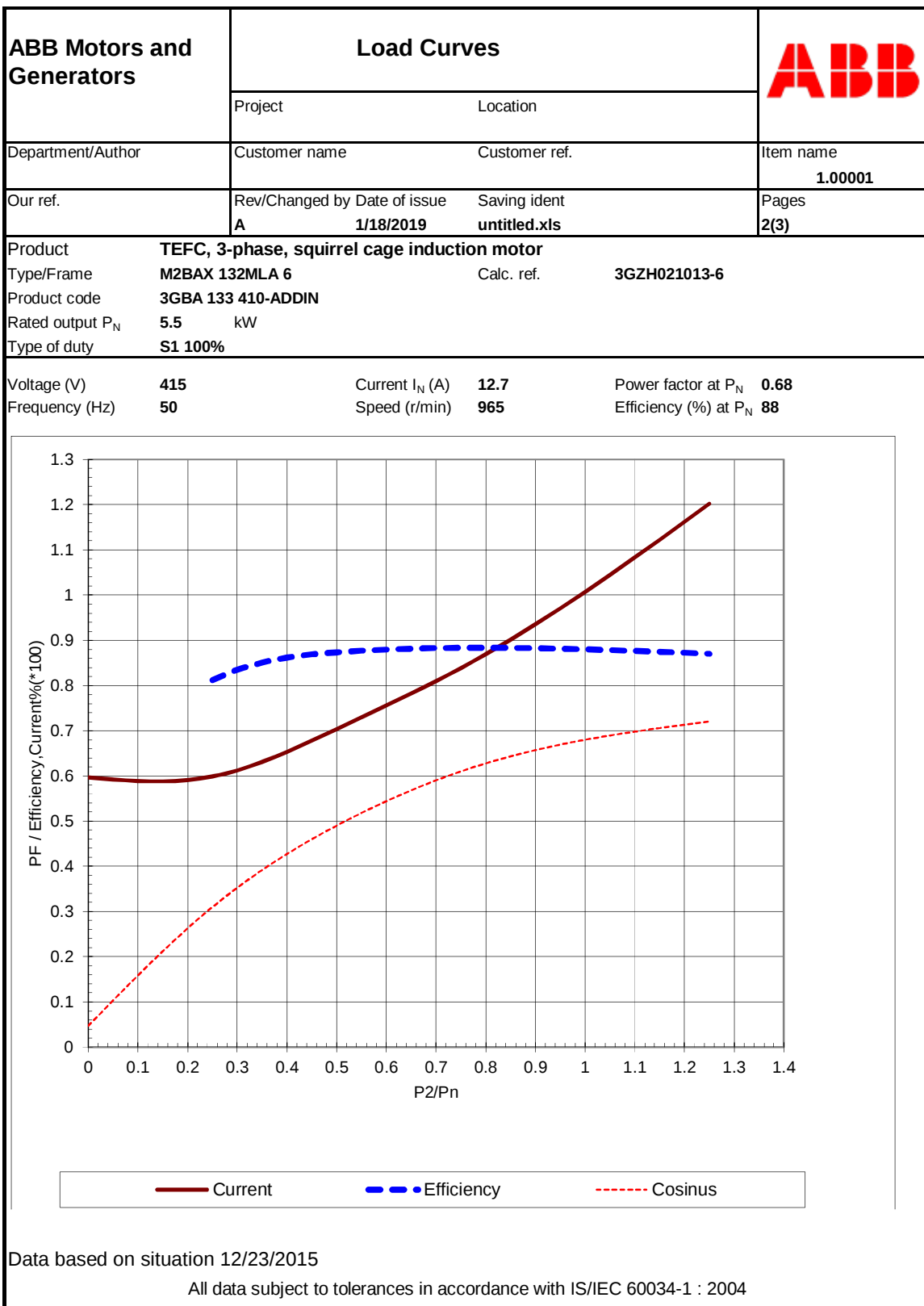
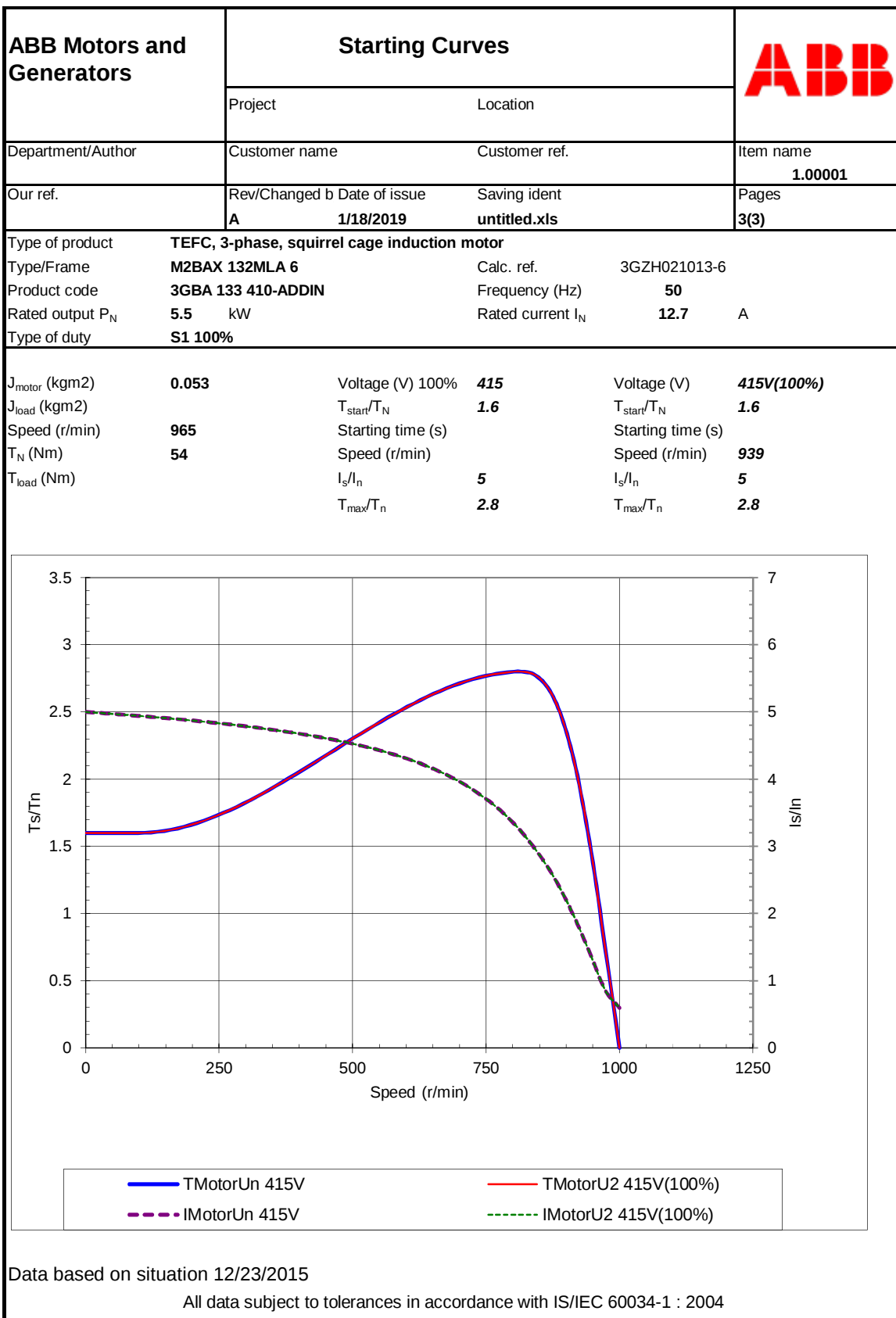
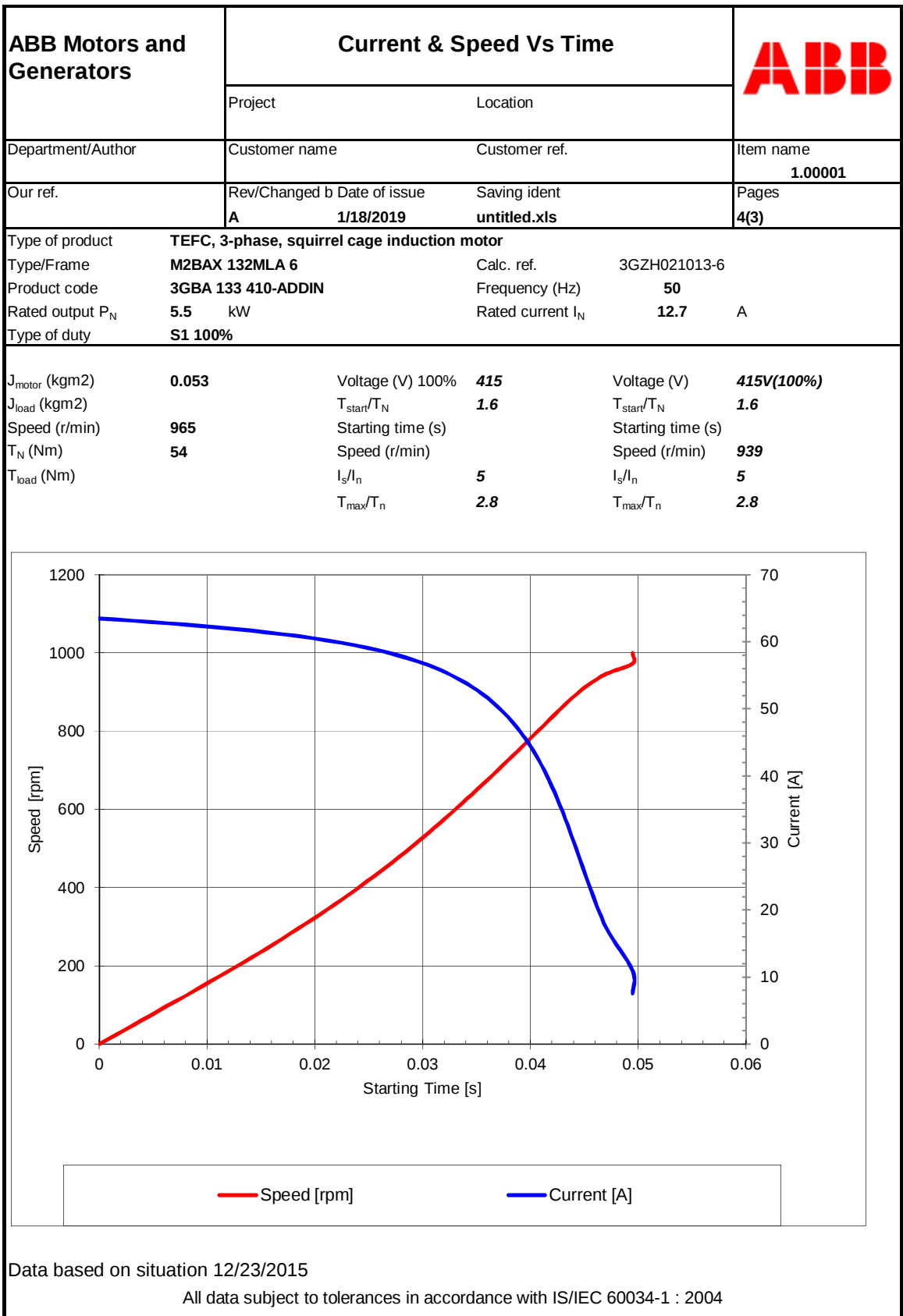


ABB Motors and Generators		Technical Data Sheet			
		Project		Location	
Department/Author		Customer name		Customer ref.	Item name 1.00001
Our ref.		Rev/Changed by A	Date of issue 1/18/2019	Saving ident untitled.xls	Pages 1(3)
No.	Definition	Data	Unit	Remarks	
1	Product	TEFC, 3-phase, squirrel cage induction motor			
2	Product code	3GBA 133 410-ADDIN		Calc. ref.	3GZH021013-6
3	Type/Frame	M2BAX 132MLA 6			
4	Mounting	IM1001, B3(foot)			
5	Rated output P_N	5.5	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	965	r/min		
11	Rated current I_N	12.7	A		
12					
13	Starting current I_s/I_N	5			
14	Nominal torque T_N	54.4	Nm		
15	Locked rotor torque T_s/T_N	1.6			
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	12.7	88.0 / IE3	0.68
20		75	10.7	88.3	0.61
21		50	8.9	87.3	0.49
22					
23	Thermal withstand time hot	15	s		
24	Thermal withstand time cold	26	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	6208-2Z/C3 - 6208-2Z/C3			
31	Sound pressure level (LP dB(A) 1m)	65	dB(A)	at no-load	
32	Moment of inertia $J = \frac{1}{4} GD^2$	0.05334	kg-m2		
33	Position of terminal box	Top			
34	Direction of rotation	Bi-directional			
35	Weight of rotor	26	kg		
36	Total weight of motor	97	kg		
37					
38					
39					
40					
41					
42					
43					
44					
45					
Ex-motors					
46					
47					
48					
Option Variant Codes / Definition					
49					
50					
51					
52					
Remarks:					
Data based on situation 12/23/2015					

All performance values are subject to IS/IEC tolerances







Data based on situation 12/23/2015

All data subject to tolerances in accordance with IS/IEC 60034-1 : 2004

