

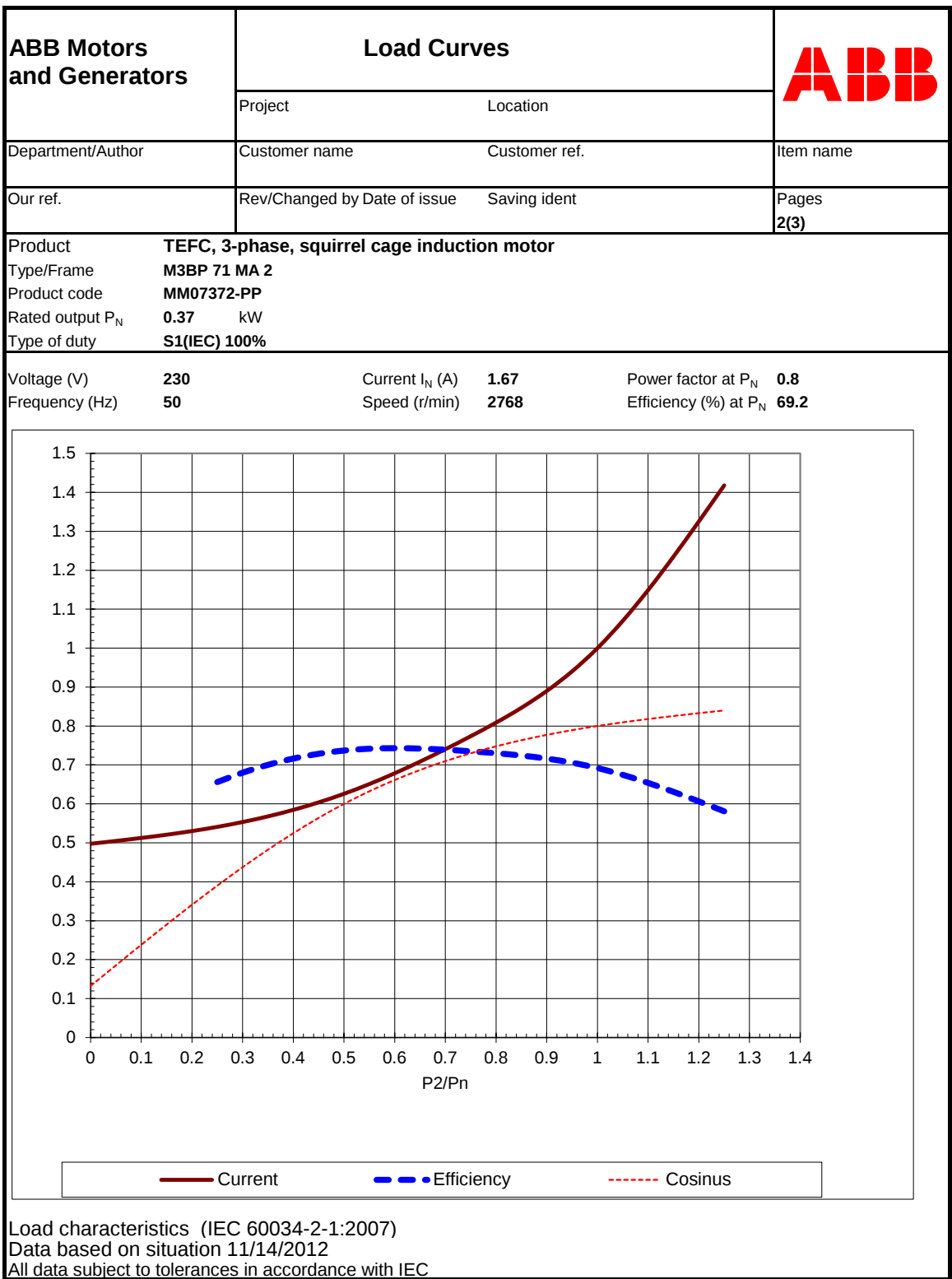
ABB Motors and Generators		Technical Data Sheet - DOL				
		Project		Location		
Department/Author		Customer name		Customer ref.		Item name
Our ref.		Rev/Changed by	Date of issue	Saving ident		Pages 1(3)

No.	Definition	Data	Unit	Remarks	
1	Product	TEFC, 3-phase, squirrel cage induction motor			
2	Product code	MM07372-PP (3GBP071321-ASB+332)			
3	Type/Frame	M3BP 71 MA 2			
4	Mounting	IM1001, B3(foot)			
5	Rated output P _N	0.37	kW		
6	Service factor	1			
7	Type of duty	S1(IEC) 100%			
8	Rated voltage U _N	230	VD	± 5 % (IEC 60034-1)	
9	Rated frequency f _N	50	Hz	± 2 % (IEC 60034-1)	
10	Rated speed n _N	2768	r/min		
11	Rated current I _N	1.67	A		
12	No-load current	0.83	A		
13	Starting current I _s /I _N	3.9		Fullfilled IEC 60034-12 design N,H	
14	Nominal torque T _N	1.28	Nm		
15	Locked rotor torque T _S /T _N	2.2			
16	Maximum torque T _{max} /T _N	2.3			
17	Minimum torque T _{min} /T _N	2			
18	Speed at minimum torque	300	r/min		
19	Load characteristics (IEC 60034-2-1:2007)	Load %	Current A	Efficiency %	Power factor
20	PLL determined from residual loss	100	1.67	69.2	0.8
21		75	1.29	73.5	0.73
22		50	1.05	73.7	0.6
23		Start	6.5		0.82
24	Maximum starting time from hot	20	s		
25	Maximum starting time from cold	36	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	6203-2Z/C3 - 6202-2Z/C3			
32	Type of Grease	Greased for life			
33	Sound pressure level (LP dB(A) 1m)	58	dB(A)	at load	
34	Moment of inertia J = ¼ GD2	0.00039	kg-m2		
35	Balancing	Half Key			
36	Vibration class	Grade A			
37	Position of terminal box	Top			
38	Terminal box entries; no, dimens.	2xM16x1.5			
39	Number of power terminals	6			
40	Direction of rotation	CW or CCW			
41	Weight of rotor	1	kg		
42	Total weight of motor	11	kg		
43					

Variant Codes / Definition
332 = Baldor catalog number

Remarks:

Data based on situation 11/14/2012
All data subject to tolerances in accordance with IEC
Guaranteed values on request



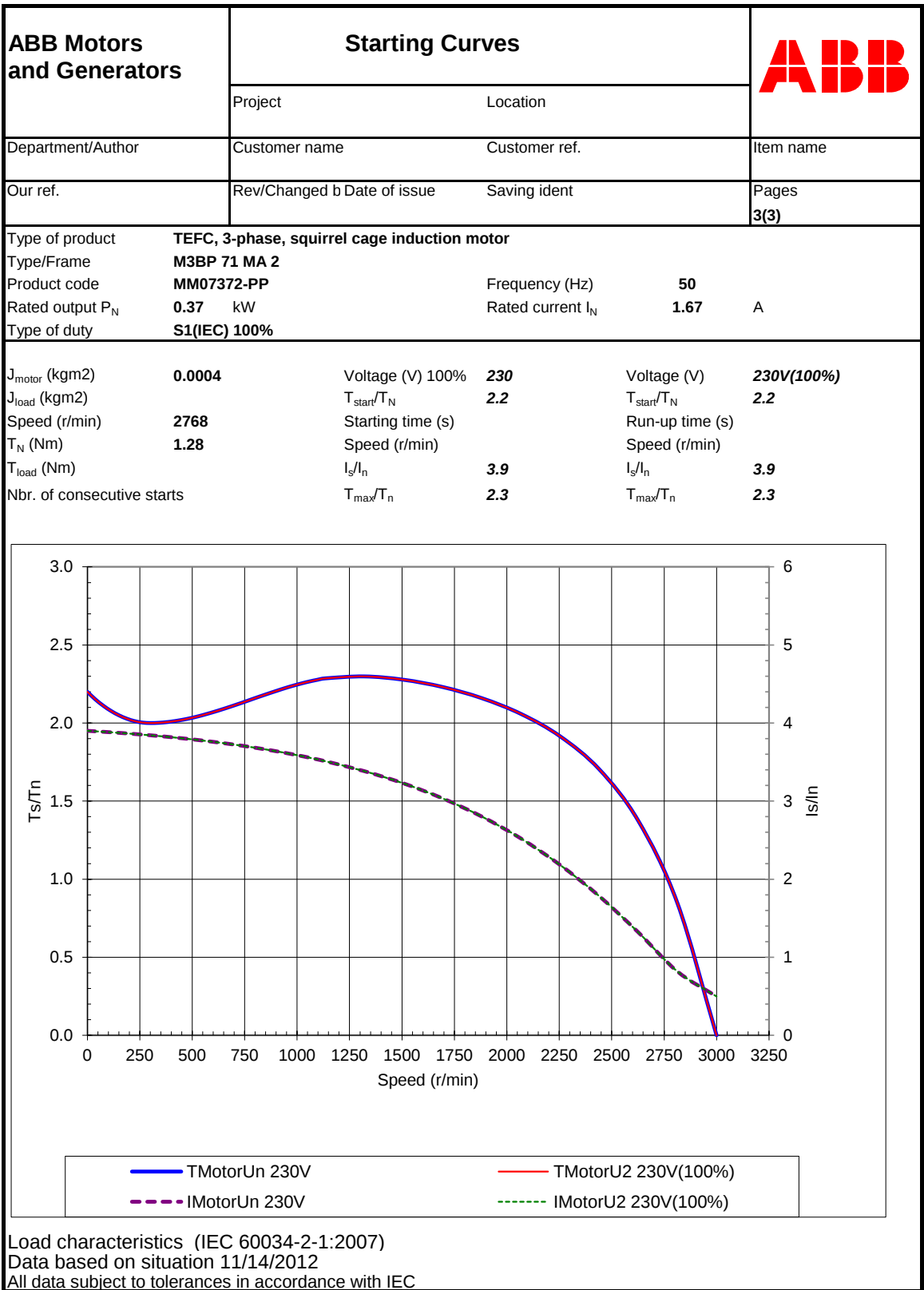


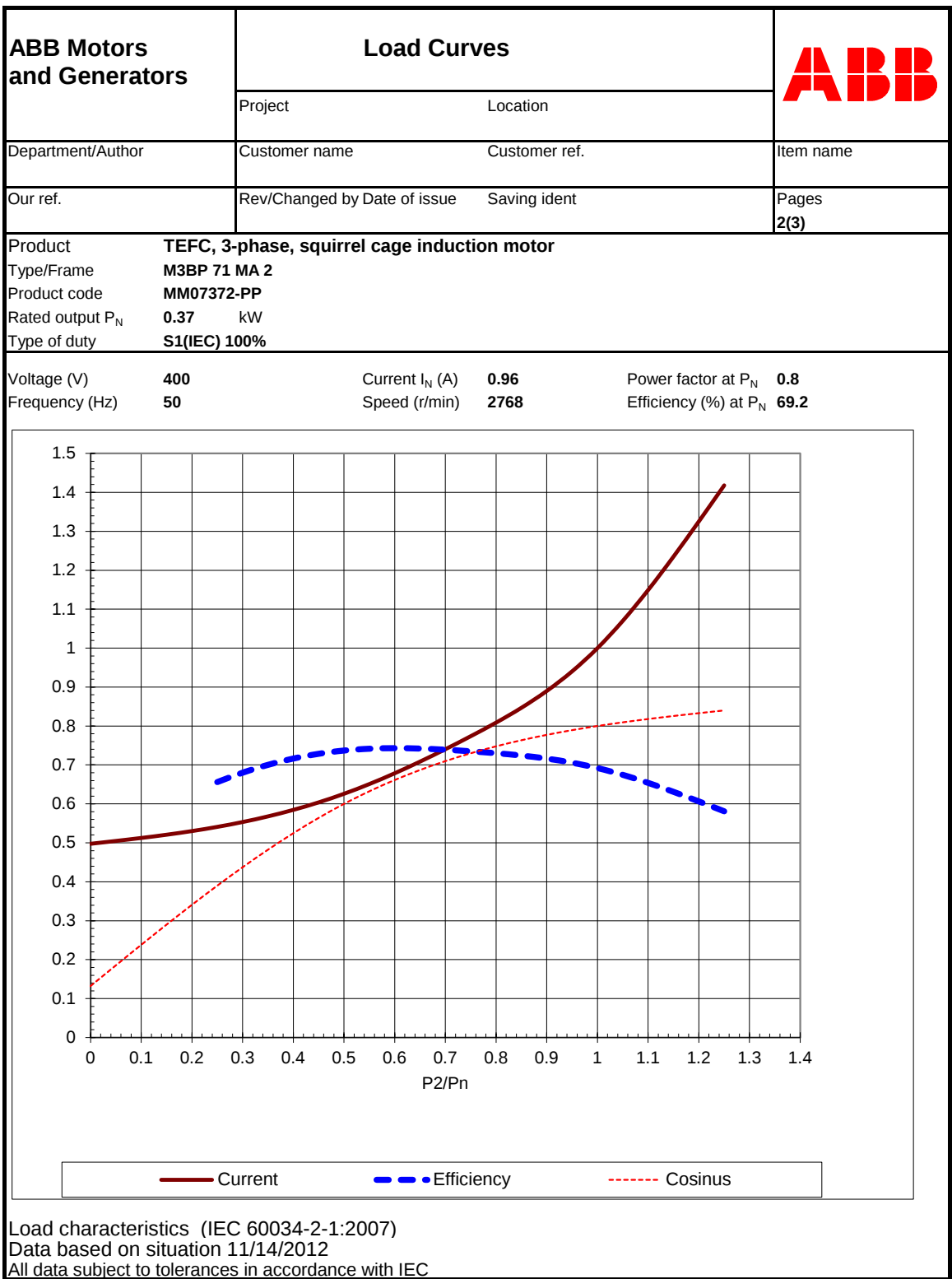
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2	Product code	MM07372-PP (3GBP071321-ASB+332)			
3	Type/Frame	M3BP 71 MA 2			
4	Mounting	IM1001, B3(foot)			
5	Rated output P _N	0.37	kW		
6	Service factor	1			
7	Type of duty	S1(IEC) 100%			
8	Rated voltage U _N	400	VY	± 5 % (IEC 60034-1)	
9	Rated frequency f _N	50	Hz	± 2 % (IEC 60034-1)	
10	Rated speed n _N	2768	r/min		
11	Rated current I _N	0.96	A		
12	No-load current	0.48	A		
13	Starting current I _s /I _N	3.9		Fullfilled IEC 60034-12 design N,H	
14	Nominal torque T _N	1.28	Nm		
15	Locked rotor torque T _S /T _N	2.2			
16	Maximum torque T _{max} /T _N	2.3			
17	Minimum torque T _{min} /T _N	2			
18	Speed at minimum torque	300	r/min		
19	Load characteristics (IEC 60034-2-1:2007)	Load %	Current A	Efficiency %	Power factor
20	PLL determined from residual loss	100	0.96	69.2	0.8
21		75	0.74	73.5	0.73
22		50	0.6	73.7	0.6
23		Start	3.7		0.82
24	Maximum starting time from hot	20	s		
25	Maximum starting time from cold	36	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	6203-2Z/C3 - 6202-2Z/C3			
32	Type of Grease	Greased for life			
33	Sound pressure level (LP dB(A) 1m)	58	dB(A)	at load	
34	Moment of inertia J = ¼ GD2	0.00039	kg-m2		
35	Balancing	Half Key			
36	Vibration class	Grade A			
37	Position of terminal box	Top			
38	Terminal box entries; no, dimens.	2xM16x1.5			
39	Number of power terminals	6			
40	Direction of rotation	CW or CCW			
41	Weight of rotor	1	kg		
42	Total weight of motor	11	kg		
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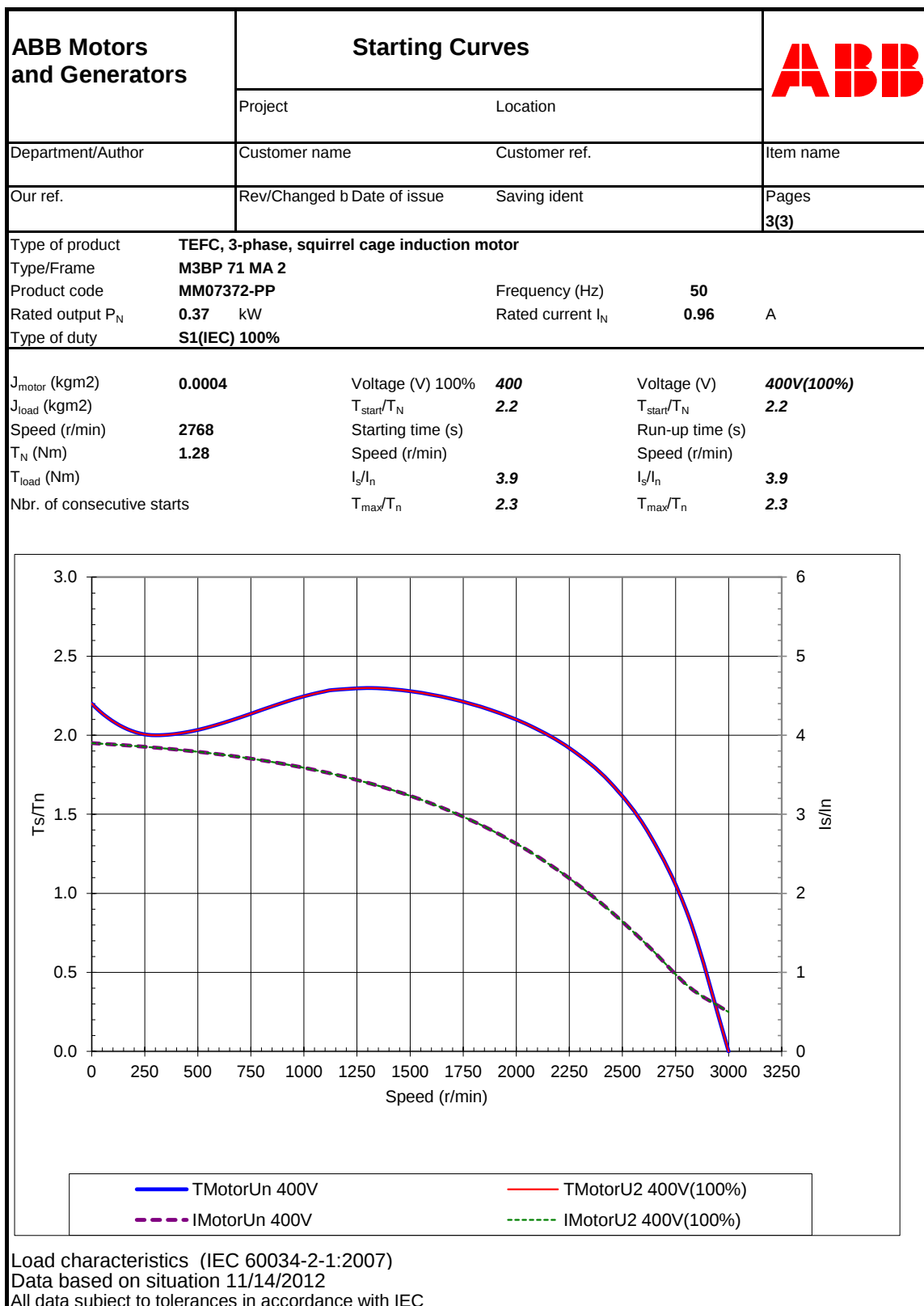


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3	Type/Frame	M3BP 71 MA 2			
4	Mounting	IM1001, B3(foot)			
5	Rated output P _N	0.37	kW		
6	Service factor	1			
7	Type of duty	S1(IEC) 100%			
8	Rated voltage U _N	460	VY	± 5 % (IEC 60034-1)	
9	Rated frequency f _N	60	Hz	± 2 % (IEC 60034-1)	
10	Rated speed n _N	3389	r/min		
11	Rated current I _N	0.73	A		
12	No-load current	0.37	A		
13	Starting current I _s /I _N	5.8		Fullfilled IEC 60034-12 design N,H	
14	Nominal torque T _N	1.04	Nm		
15	Locked rotor torque T _S /T _N	3			
16	Maximum torque T _{max} /T _N	3.5			
17	Minimum torque T _{min} /T _N	2.8			
18	Speed at minimum torque	360	r/min		
19	Load characteristics (IEC 60034-2-1:2007)	Load %	Current A	Efficiency %	Power factor
20	PLL determined from residual loss	100	0.73	76.7	0.82
21		75	0.59	78	0.75
22		50	0.48	76.1	0.63
23		Start	4.2		0.8
24	Maximum starting time from hot	20	s		
25	Maximum starting time from cold	36	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	6203-2Z/C3 - 6202-2Z/C3			
32	Type of Grease	Greased for life			
33	Sound pressure level (LP dB(A) 1m)	65	dB(A)	at load	
34	Moment of inertia J = ¼ GD2	0.00039	kg-m2		
35	Balancing	Half Key			
36	Vibration class	Grade A			
37	Position of terminal box	Top			
38	Terminal box entries; no, dimens.	2xM16x1.5			
39	Number of power terminals	6			
40	Direction of rotation	CW or CCW			
41	Weight of rotor	1	kg		
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