

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

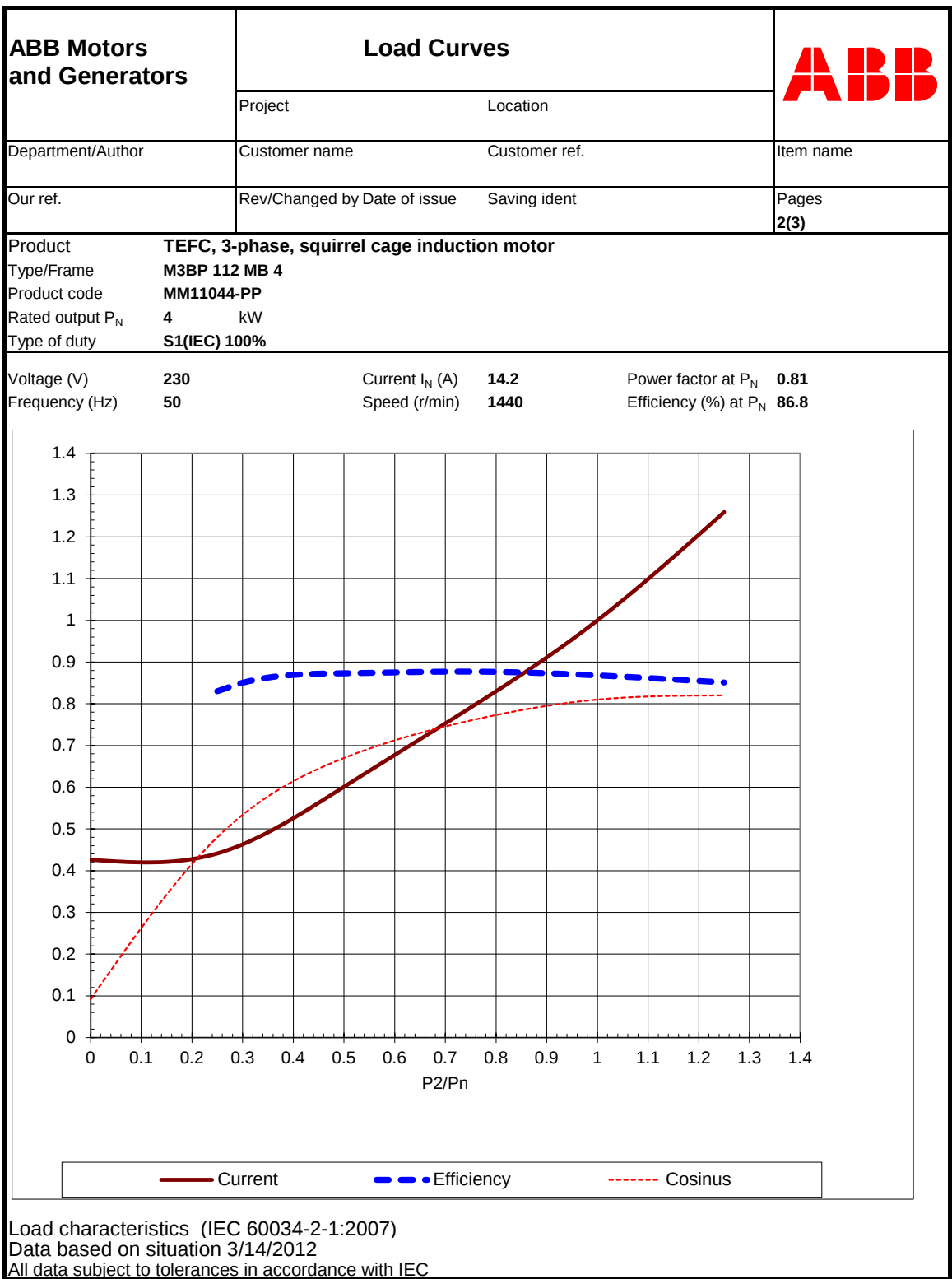
No.	Definition	Data	Unit	Remarks	
1	Product	TEFC, 3-phase, squirrel cage induction motor			
2	Product code	MM11044-PP (3GBP112322-ASB+332+333)			
3	Type/Frame	M3BP 112 MB 4			
4	Mounting	IM1001, B3(foot)			
5	Rated output P _N	4	kW		
6	Service factor	1			
7	Type of duty	S1(IEC) 100%			
8	Rated voltage U _N	230	VD	± 5 % (IEC 60034-1)	
9	Rated frequency f _N	50	Hz	± 2 % (IEC 60034-1)	
10	Rated speed n _N	1440	r/min		
11	Rated current I _N	14.2	A		
12	No-load current	6.1	A		
13	Starting current I _s /I _N	7		Fullfilled IEC 60034-12 design N,H	
14	Nominal torque T _N	26.5	Nm		
15	Locked rotor torque T _S /T _N	2.5			
16	Maximum torque T _{max} /T _N	2.9			
17	Minimum torque T _{min} /T _N	2.2			
18	Speed at minimum torque	300	r/min		
19	Load characteristics (IEC 60034-2-1:2007)	Load %	Current A	Efficiency %	
20	PLL determined from residual loss	100	14.2	86.8 / IE2	
21		75	11.2	87.7	
22		50	8.5	87.3	
23		Start	99	0.59	
24	Maximum starting time from hot	15	s		
25	Maximum starting time from cold	27	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	6206-2Z/C3 - 6205-2Z/C3			
32	Type of Grease	Greased for life			
33	Sound pressure level (LP dB(A) 1m)	59	dB(A)	at load	
34	Moment of inertia J = ¼ GD2	0.0125	kg-m2		
35	Balancing	Half Key			
36	Vibration class	Grade A			
37	Position of terminal box	Top			
38	Terminal box entries; no, dimens.	2xM32x1.5			
39	Number of power terminals	6			
40	Direction of rotation	CW or CCW			
41	Weight of rotor	8	kg		
42	Total weight of motor	44	kg		
43					

Variant Codes / Definition

332 = Baldor catalog number
333 = Not for use in the USA

Remarks:

Data based on situation 3/14/2012
 All data subject to tolerances in accordance with IEC
 Guaranteed values on request



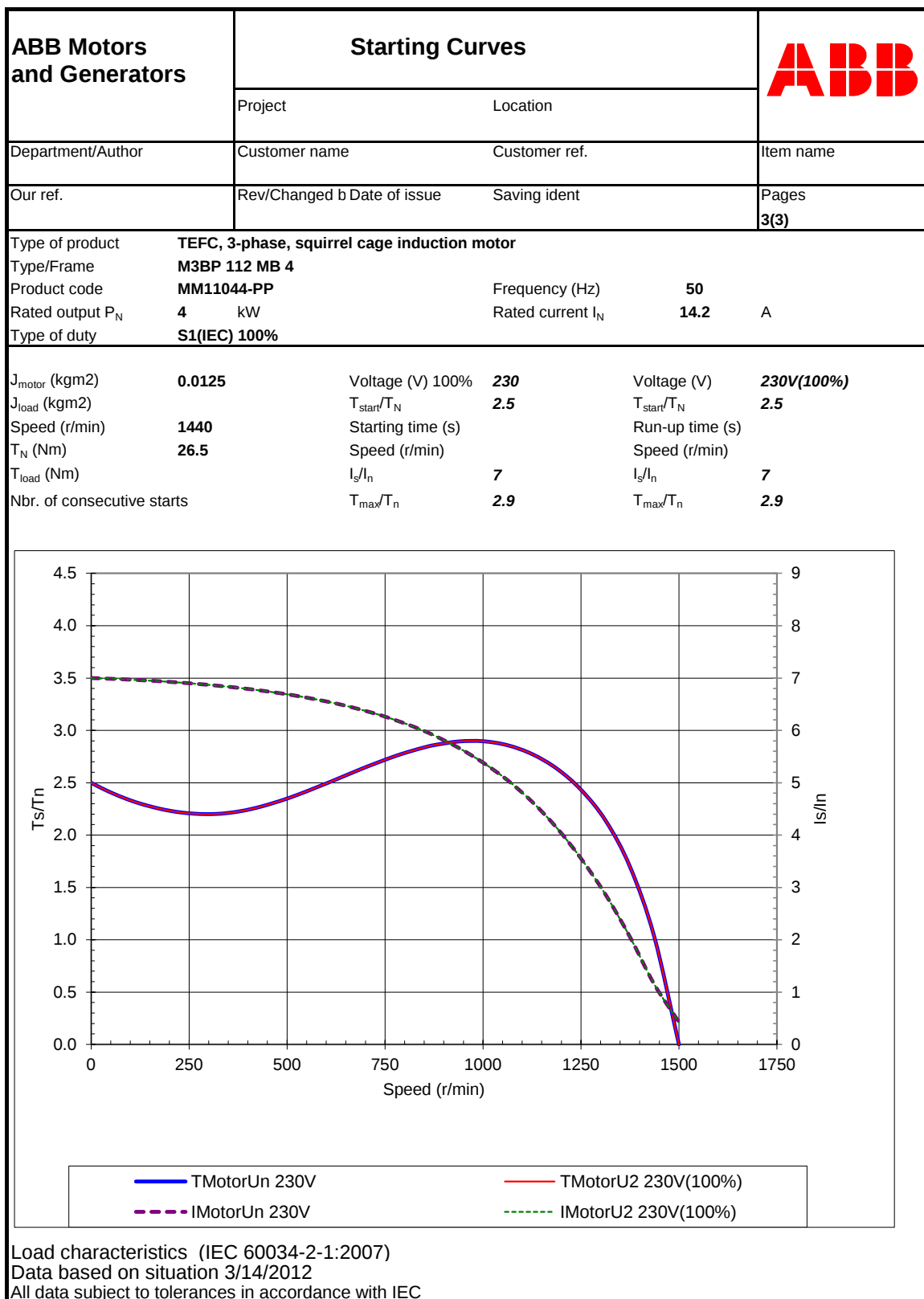
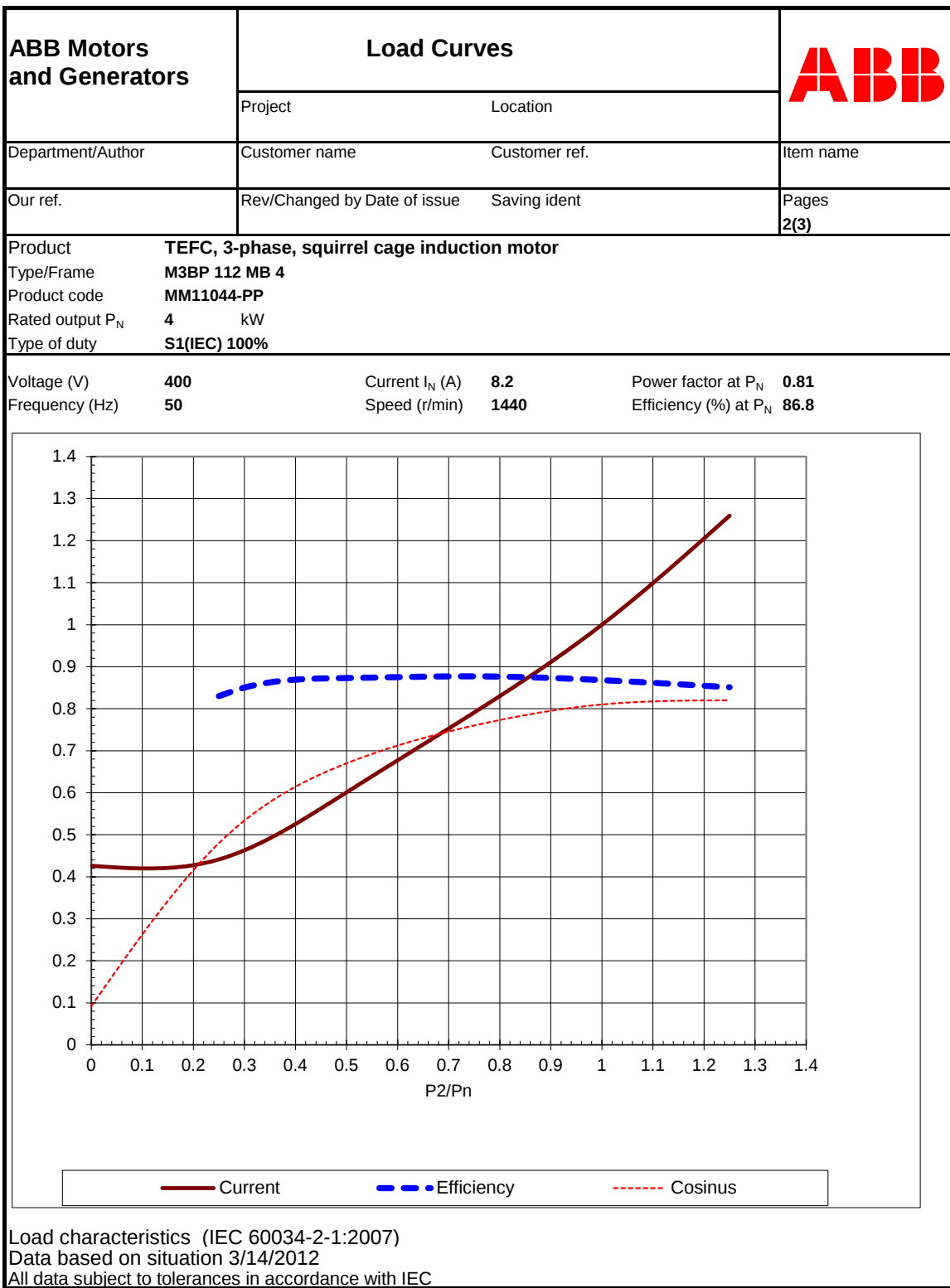


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No.	Definition		Data	Unit	Remarks	
1	Product		TEFC, 3-phase, squirrel cage induction motor			
2	Product code		MM11044-PP (3GBP112322-ASB+332+333)			
3	Type/Frame		M3BP 112 MB 4			
4	Mounting		IM1001, B3(foot)			
5	Rated output P _N		4	kW		
6	Service 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		1440	r/min		
11	Rated current I _N		8.2	A		
12	No-load current		3.5	A		
13	Starting current I _s /I _N		7		Fullfilled IEC 60034-12 design N,H	
14	Nominal torque T _N		26.5	Nm		
15	Locked rotor torque T _s /T _N		2.5			
16	Maximum torque T _{max} /T _N		2.9			
17	Minimum torque T _{min} /T _N		2.2			
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	8.2	86.8 / IE2	0.81
21			75	6.4	87.7	0.76
22			50	4.9	87.3	0.67
23			Start	57		0.59
24	Maximum starting time from hot		15	s		
25	Maximum starting time from cold		27	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		6206-2Z/C3 - 6205-2Z/C3			
32	Type of Grease		Greased for life			
33	Sound pressure level (LP dB(A) 1m)		59	dB(A)	at load	
34	Moment of inertia J = ¼ GD2		0.0125	kg-m2		
35	Balancing		Half Key			
36	Vibration class		Grade A			
37	Position of terminal box		Top			
38	Terminal box entries; no, dimens.		2xM32x1.5			
39	Number of power terminals		6			
40	Direction of rotation		CW or CCW			
41	Weight of rotor		8	kg		
42	Total weight of motor		44	kg		
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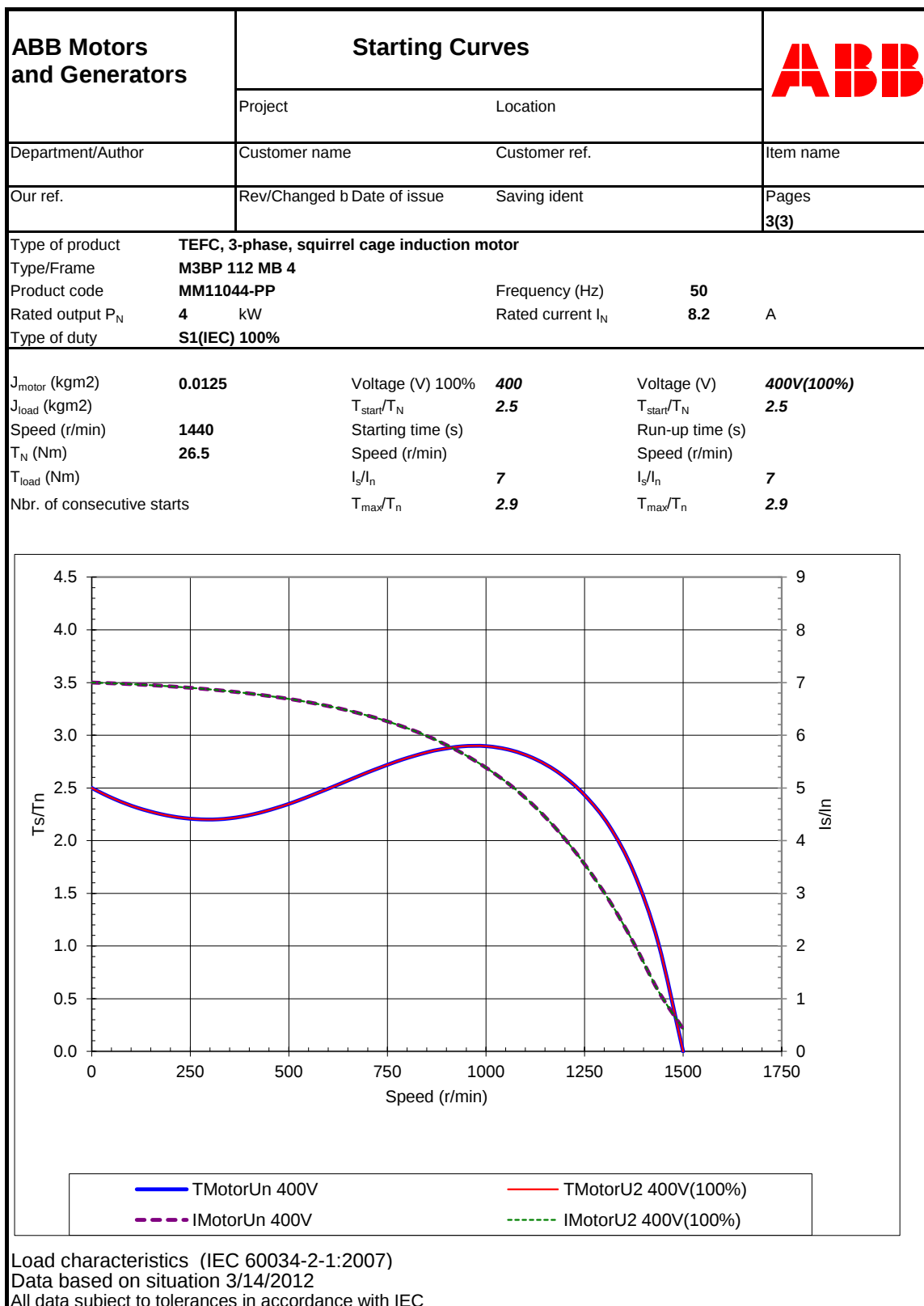


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1	Product	TEFC, 3-phase, squirrel cage induction motor			
2	Product code	MM11044-PP (3GBP112322-ASB+332+333)			
3	Type/Frame	M3BP 112 MB 4			
4	Mounting	IM1001, B3(foot)			
5	Rated output P _N	4	kW		
6	Service factor	1			
7	Type of duty	S1(IEC) 100%			
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	1745	r/min		
11	Rated current I _N	6.9	A		
12	No-load current	3.2	A		
13	Starting current I _s /I _N	8		Fullfilled IEC 60034-12 design N,H	
14	Nominal torque T _N	21.9	Nm		
15	Locked rotor torque T _S /T _N	2.6			
16	Maximum torque T _{max} /T _N	3.4			
17	Minimum torque T _{min} /T _N	2.3			
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	6.9	87.7 / IE2	0.82
21		75	5.6	88.2	0.76
22		50	4.4	86.8	0.65
23		Start	55		0.5
24	Maximum starting time from hot	15	s		
25	Maximum starting time from cold	27	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	6206-2Z/C3 - 6205-2Z/C3			
32	Type of Grease	Greased for life			
33	Sound pressure level (LP dB(A) 1m)	66	dB(A)	at load	
34	Moment of inertia J = ¼ GD2	0.0125	kg-m2		
35	Balancing	Half Key			
36	Vibration class	Grade A			
37	Position of terminal box	Top			
38	Terminal box entries; no, dimens.	2xM32x1.5			
39	Number of power terminals	6			
40	Direction of rotation	CW or CCW			
41	Weight of rotor	8	kg		
42	Total weight of motor	44	kg		
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