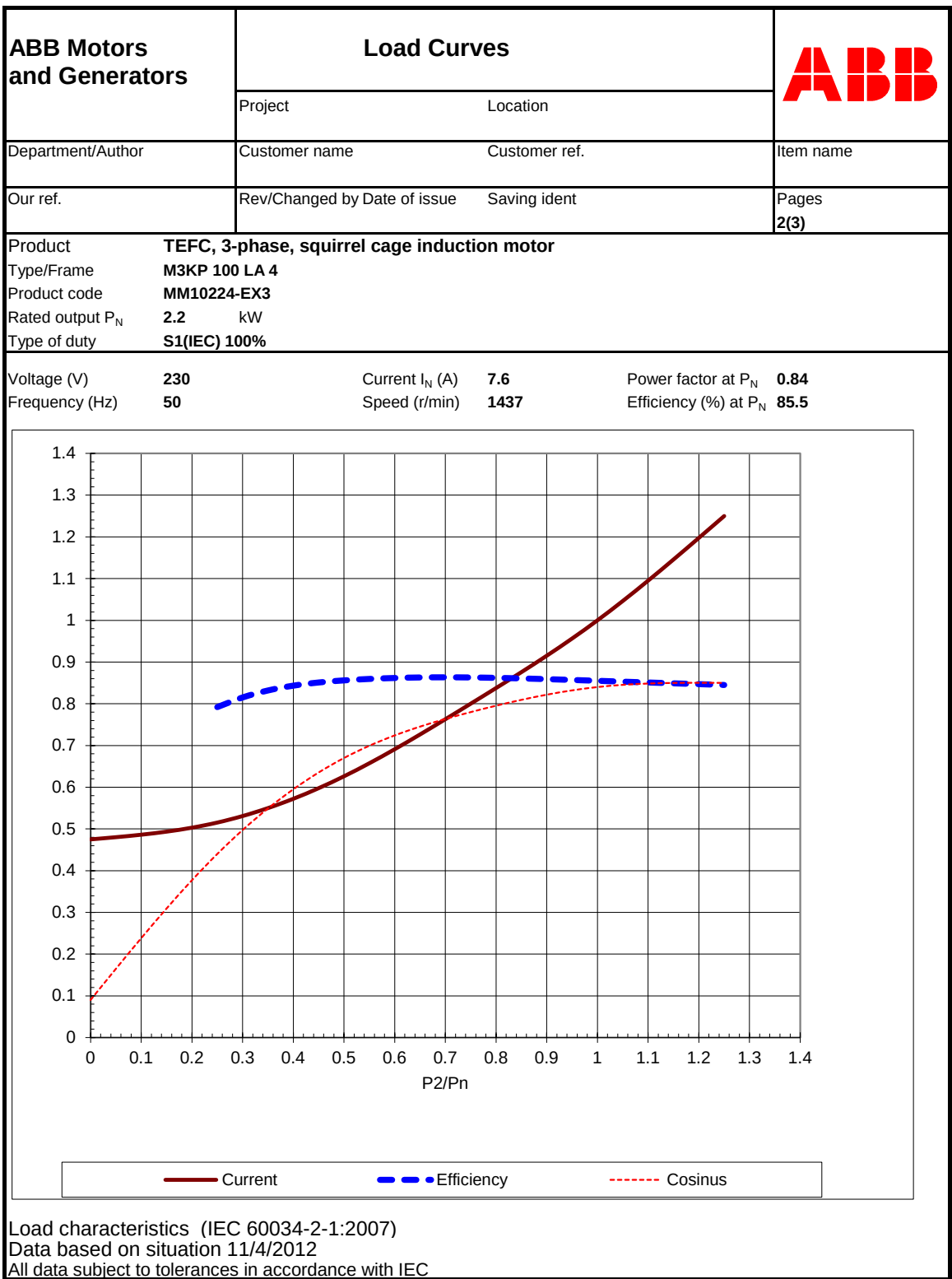


ABB Motors and Generators		Technical Data Sheet - DOL			
		Project		Location	
Department/Author		Customer name		Customer ref.	Item name
Our ref.		Rev/Changed by	Date of issue	Saving ident	Pages 1(3)

No.	Definition	Data	Unit	Remarks
1	Product	TEFC, 3-phase, squirrel cage induction motor		
2	Product code	MM10224-EX3 (3GKP102510-ASH+332+461)		
3	Type/Frame	M3KP 100 LA 4		
4	Mounting	IM1001, B3(foot)		
5	Rated output P _N	2.2	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	1437	r/min	
11	Rated current I _N	7.6	A	
12	No-load current	3.7	A	
13	Starting current I _s /I _N	7.1		Fullfilled IEC 60034-12 design N,H
14	Nominal torque T _N	14.6	Nm	
15	Locked rotor torque T _S /T _N	2.7		
16	Maximum torque T _{max} /T _N	3.2		
17	Minimum torque T _{min} /T _N	2.7		
18	Speed at minimum torque	0	r/min	
19	Load characteristics (IEC 60034-2-1:2007)	Load %	Current A	Efficiency % Power factor
20	PLL determined from residual loss	100	7.6	85.5 / IE2 0.84
21		75	6.1	86.3 0.78
22		50	4.8	85.6 0.67
23		Start	54	0.52
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 - 6206-2Z/C3		
32	Type of Grease	Greased for life		
33	Sound pressure level (LP dB(A) 1m)	52	dB(A)	at load
34	Moment of inertia J = ¼ GD2	0.0075	kg-m2	
35	Balancing	Half Key		
36	Vibration class	Grade A		
37	Position of terminal box	Top		
38	Terminal box entries; no, dims.	2xM32x1.5 + 1xM20x1.5		
39	Number of power terminals	6		
40	Direction of rotation	CW or CCW		
41	Weight of rotor	9	kg	
42	Total weight of motor	61	kg	
43				
Ex-motors				
44	Type of protection	*Ex de IIC T4		
45				
Variant Codes / Definition				
	332 = Baldor catalog number			
	461 = Exde design, group IIC			
Remarks:				
Data based on situation 11/4/2012				
All data subject to tolerances in accordance with IEC				
Guaranteed values on request				
* For more information on the Atex/IECEx rating, please contact your local Baldor representative.				



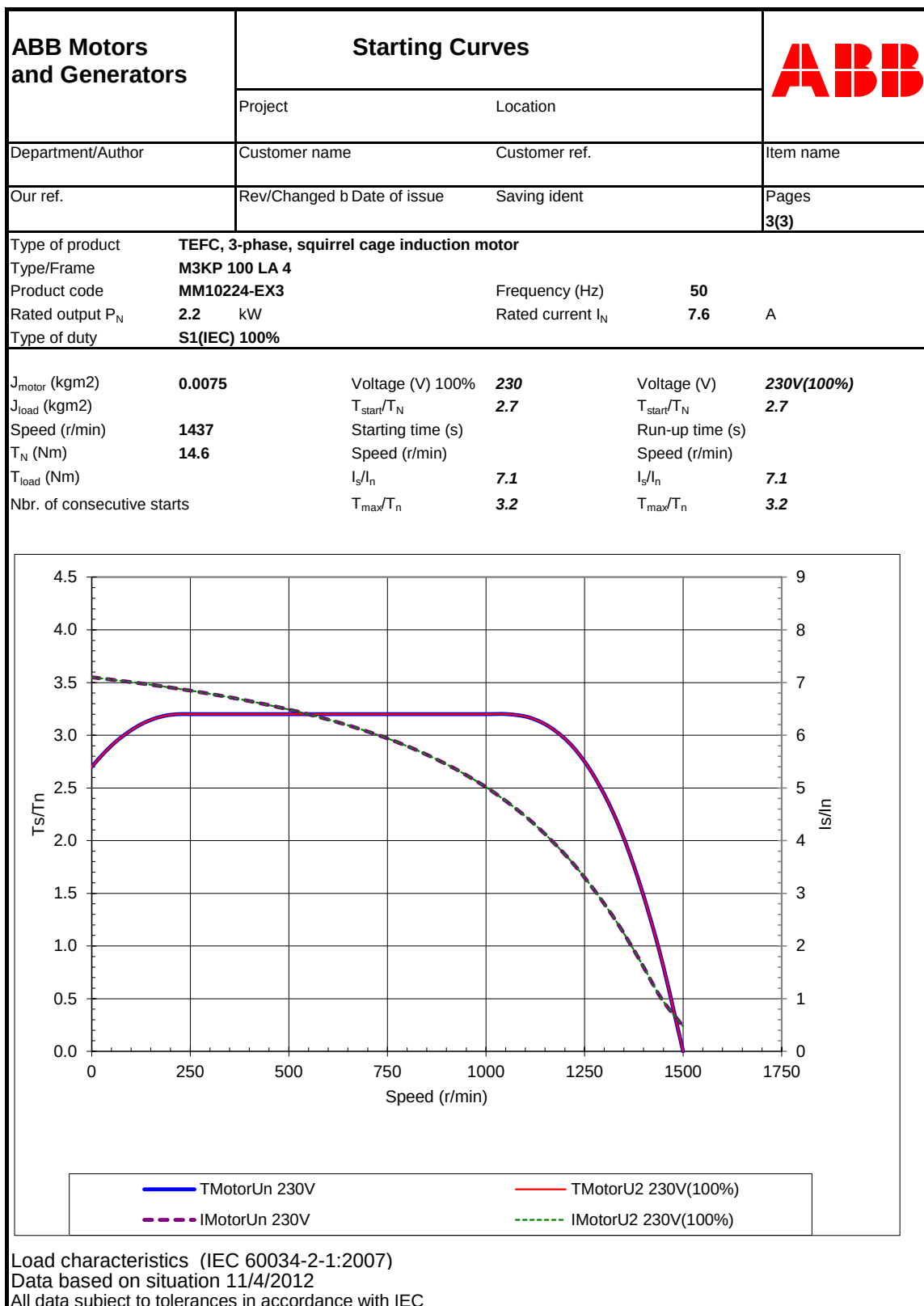
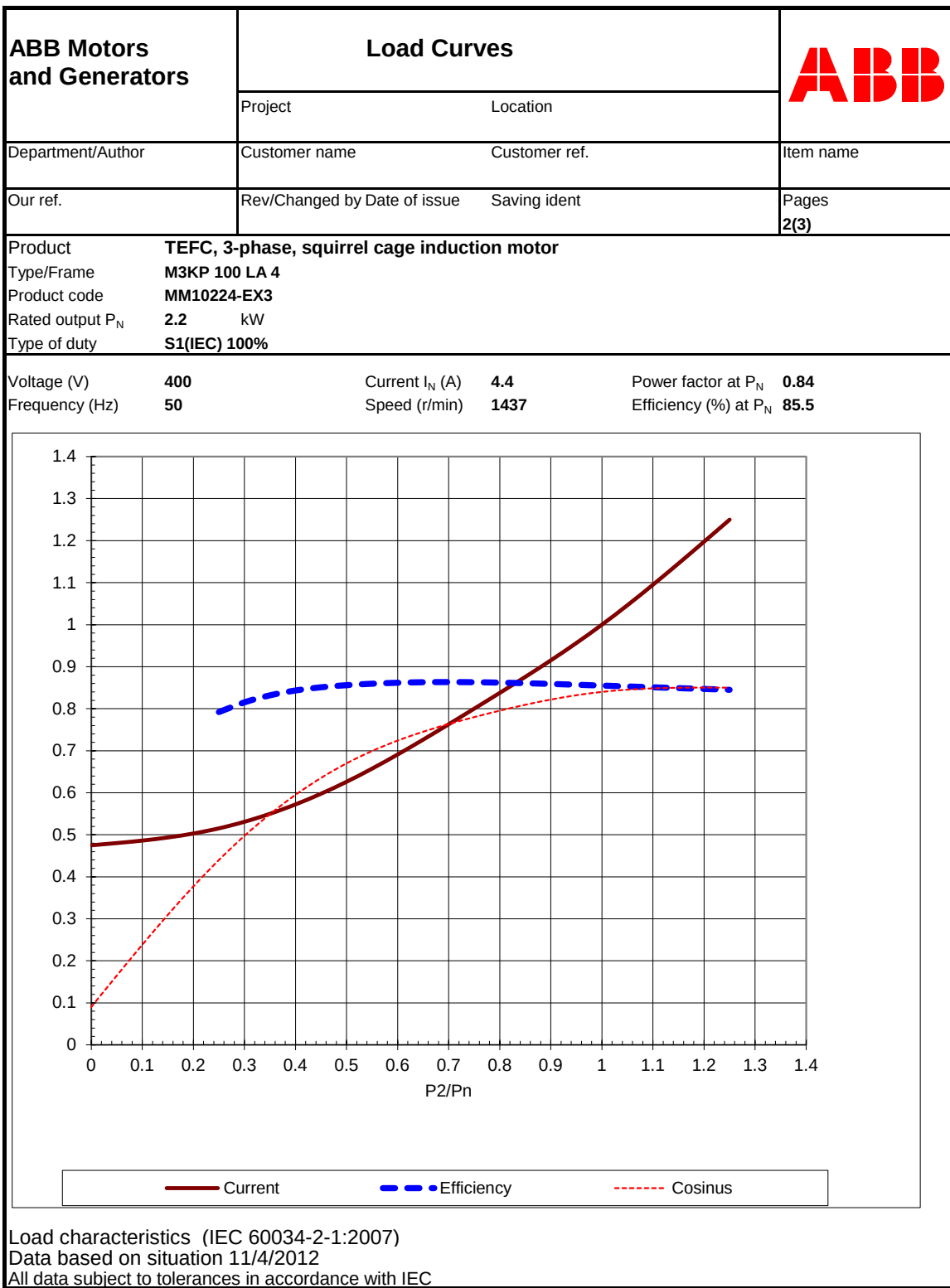


ABB Motors and Generators		Technical Data Sheet - DOL			
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No.	Definition	Data	Unit	Remarks	
1	Product	TEFC, 3-phase, squirrel cage induction motor			
2	Product code	MM10224-EX3 (3GKP102510-ASH+332+461)			
3	Type/Frame	M3KP 100 LA 4			
4	Mounting	IM1001, B3(foot)			
5	Rated output P _N	2.2	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	1437	r/min		
11	Rated current I _N	4.4	A		
12	No-load current	2.1	A		
13	Starting current I _s /I _N	7.1		Fullfilled IEC 60034-12 design N,H	
14	Nominal torque T _N	14.6	Nm		
15	Locked rotor torque T _S /T _N	2.7			
16	Maximum torque T _{max} /T _N	3.2			
17	Minimum torque T _{min} /T _N	2.7			
18	Speed at minimum torque	0	r/min		
19	Load characteristics (IEC 60034-2-1:2007)	Load %	Current A	Efficiency %	Power factor
20	PLL determined from residual loss	100	4.4	85.5 / IE2	0.84
21		75	3.5	86.3	0.78
22		50	2.7	85.6	0.67
23		Start	31		0.52
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 - 6206-2Z/C3			
32	Type of Grease	Greased for life			
33	Sound pressure level (LP dB(A) 1m)	52	dB(A)	at load	
34	Moment of inertia J = ¼ GD2	0.0075	kg-m2		
35	Balancing	Half Key			
36	Vibration class	Grade A			
37	Position of terminal box	Top			
38	Terminal box entries; no, dims.	2xM32x1.5 + 1xM20x1.5			
39	Number of power terminals	6			
40	Direction of rotation	CW or CCW			
41	Weight of rotor	9	kg		
42	Total weight of motor	61	kg		
43					
Ex-motors					
44	Type of protection	*Ex de IIC T4			
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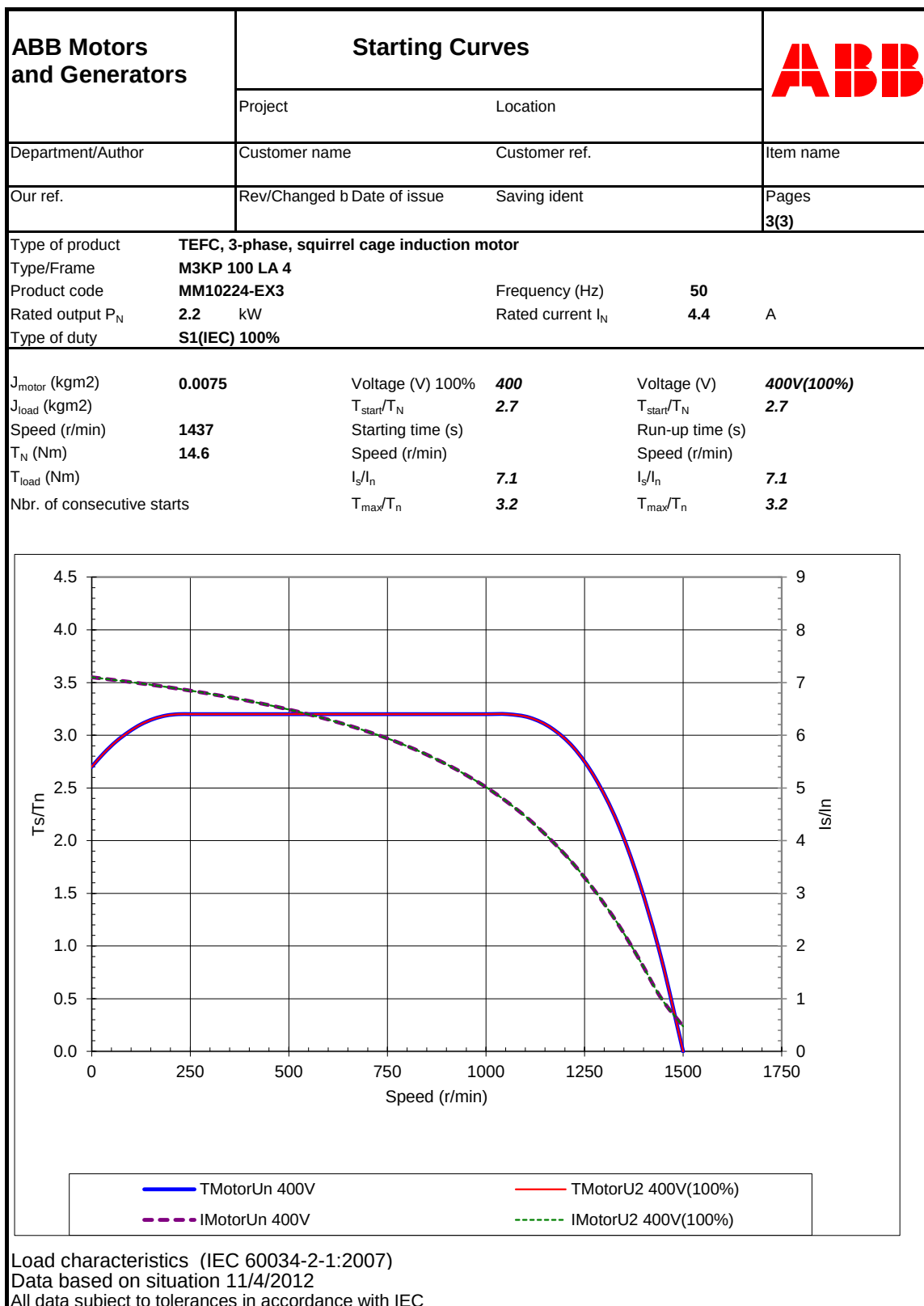


ABB Motors and Generators		Technical Data Sheet - DOL				
		Project		Location		
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3	Type/Frame	M3KP 100 LA 4				
4	Mounting	IM1001, B3(foot)				
5	Rated output P _N	2.2	kW			
6	Service factor	1				
7	Type of duty	S1(IEC) 100%				
8	Rated voltage U _N	415	VY	± 5 % (IEC 60034-1)		
9	Rated frequency f _N	50	Hz	± 2 % (IEC 60034-1)		
10	Rated speed n _N	1442	r/min			
11	Rated current I _N	4.3	A			
12	No-load current	2.3	A			
13	Starting current I _s /I _N	7.6		Fullfilled IEC 60034-12 design N,H		
14	Nominal torque T _N	14.6	Nm			
15	Locked rotor torque T _S /T _N	3				
16	Maximum torque T _{max} /T _N	3.6				
17	Minimum torque T _{min} /T _N	3				
18	Speed at minimum torque	0	r/min			
19	Load characteristics (IEC 60034-2-1:2007)	Load %	Current A	Efficiency %	Power factor	
20	PLL determined from residual loss	100	4.3	85.3 / IE2	0.83	
21		75	3.5	85.8	0.76	
22		50	2.8	84.7	0.64	
23		Start	32		0.53	
24	Maximum starting time from hot	15	s			
25	Maximum starting time from cold	30	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 - 6206-2Z/C3				
32	Type of Grease	Greased for life				
33	Sound pressure level (LP dB(A) 1m)	52	dB(A)	at load		
34	Moment of inertia J = ¼ GD2	0.0075	kg-m2			
35	Balancing	Half Key				
36	Vibration class	Grade A				
37	Position of terminal box	Top				
38	Terminal box entries; no, dims.	2xM32x1.5 + 1xM20x1.5				
39	Number of power terminals	6				
40	Direction of rotation	CW or CCW				
41	Weight of rotor	9	kg			
42	Total weight of motor	61	kg			
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