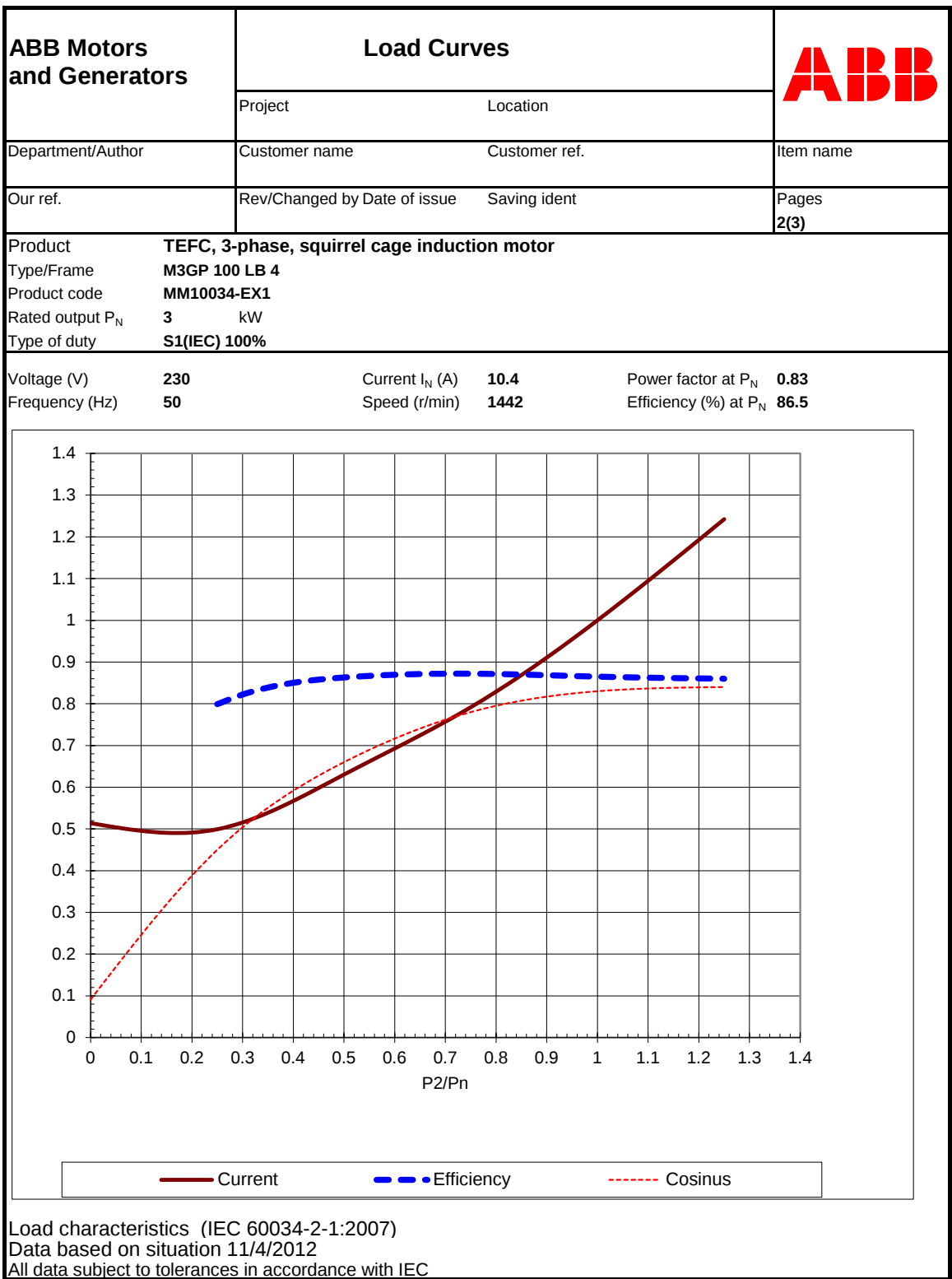


ABB Motors and Generators		Technical Data Sheet - DOL			
		Project		Location	
Department/Author		Customer name		Customer ref.	Item name
Our ref.		Rev/Changed by	Date of issue	Saving ident	Pages 1(3)

No.	Definition	Data	Unit	Remarks
1	Product	TEFC, 3-phase, squirrel cage induction motor		
2	Product code	MM10034-EX1 (3GGP102520-ASH+332)		
3	Type/Frame	M3GP 100 LB 4		
4	Mounting	IM1001, B3(foot)		
5	Rated output P _N	3	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	1442	r/min	
11	Rated current I _N	10.4	A	
12	No-load current	5.4	A	
13	Starting current I _s /I _N	7.3		Fullfilled IEC 60034-12 design N,H
14	Nominal torque T _N	19.9	Nm	
15	Locked rotor torque T _s /T _N	2.7		
16	Maximum torque T _{max} /T _N	3.4		
17	Minimum torque T _{min} /T _N	2.4		
18	Speed at minimum torque	225	r/min	
19	Load characteristics (IEC 60034-2-1:2007)	Load %	Current A	Efficiency % Power factor
20	PLL determined from residual loss	100	10.4	86.5 / IE2 0.83
21		75	8.3	87.2 0.78
22		50	6.6	86.3 0.66
23		Start	76	0.54
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	0.0081	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 + 1xM20x1.5		
39	Number of power terminals	6		
40	Direction of rotation	CW or CCW		
41	Weight of rotor	6	kg	
42	Total weight of motor	63	kg	
43				
Ex-motors				
44	Type of protection	*Ex nA II T3		
45				
Variant Codes / Definition				
	332 = Baldor catalog number			
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.				



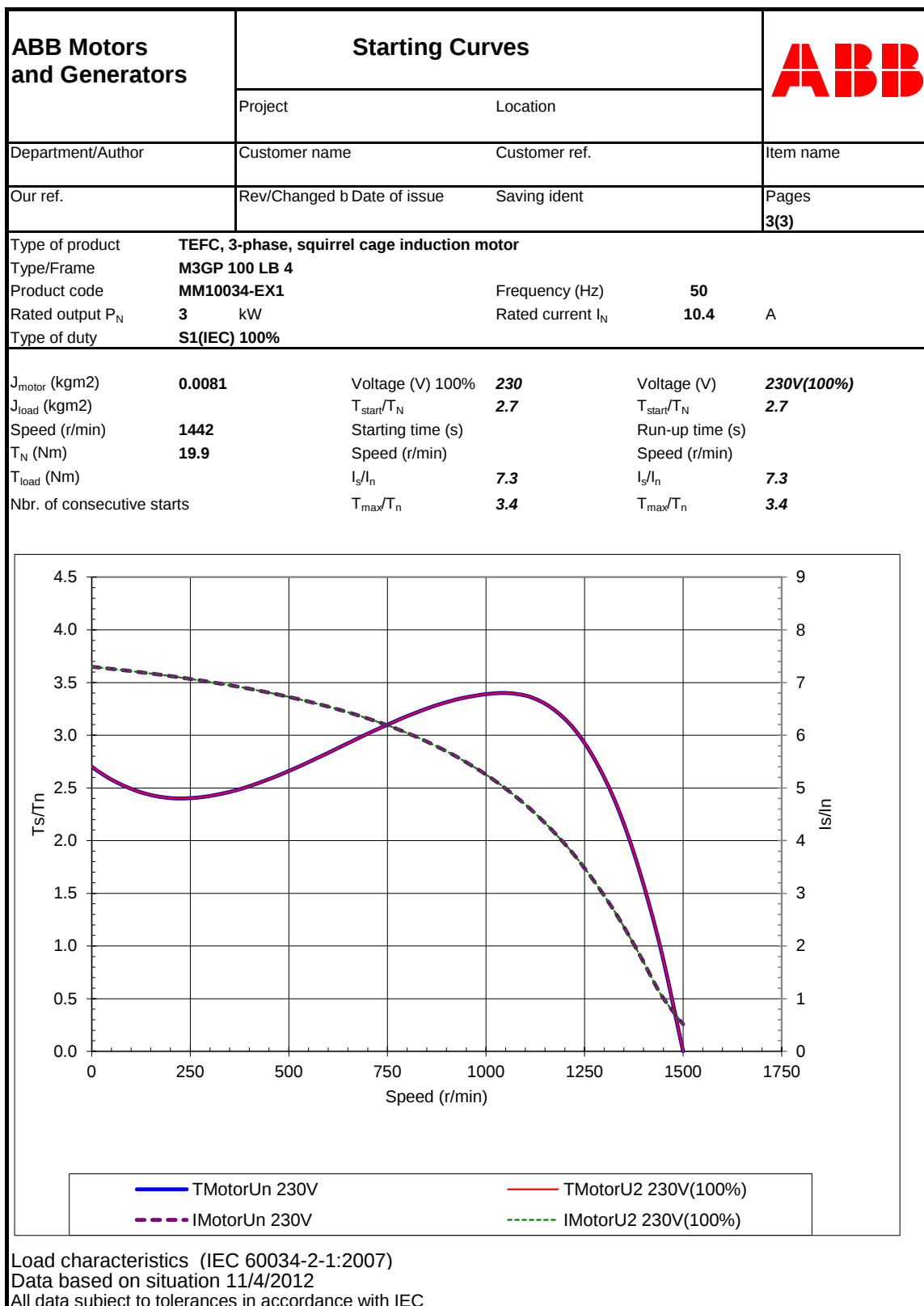
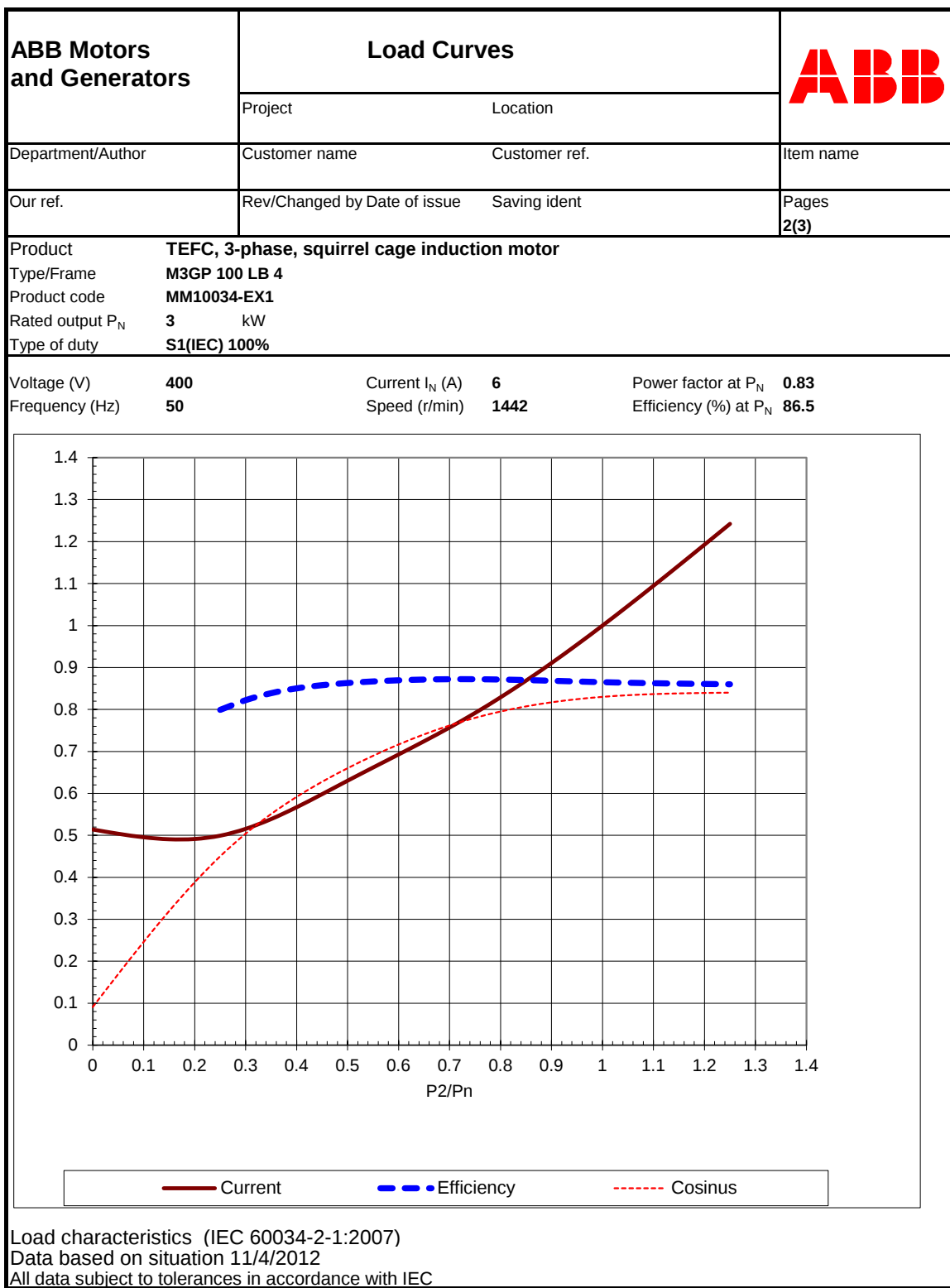


ABB Motors and Generators		Technical Data Sheet - DOL			
		Project		Location	
Department/Author		Customer name		Customer ref.	
Our ref.		Rev/Changed by		Date of issue	
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No.	Definition	Data	Unit	Remarks
1	Product	TEFC, 3-phase, squirrel cage induction motor		
2	Product code	MM10034-EX1 (3GGP102520-ASH+332)		
3	Type/Frame	M3GP 100 LB 4		
4	Mounting	IM1001, B3(foot)		
5	Rated output P _N	3	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	1442	r/min	
11	Rated current I _N	6	A	
12	No-load current	3.1	A	
13	Starting current I _s /I _N	7.3		Fullfilled IEC 60034-12 design N,H
14	Nominal torque T _N	19.9	Nm	
15	Locked rotor torque T _S /T _N	2.7		
16	Maximum torque T _{max} /T _N	3.4		
17	Minimum torque T _{min} /T _N	2.4		
18	Speed at minimum torque	225	r/min	
19	Load characteristics (IEC 60034-2-1:2007)	Load %	Current A	Efficiency %
20	PLL determined from residual loss	100	6	86.5 / IE2
21		75	4.7	87.2
22		50	3.8	86.3
23		Start	44	0.54
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	0.0081	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	6	kg	
42	Total weight of motor	63	kg	
43				
Ex-motors				
44	Type of protection	*Ex nA II T3		
45				
Variant Codes / Definition				
	332 = Baldor catalog number			
Remarks:				
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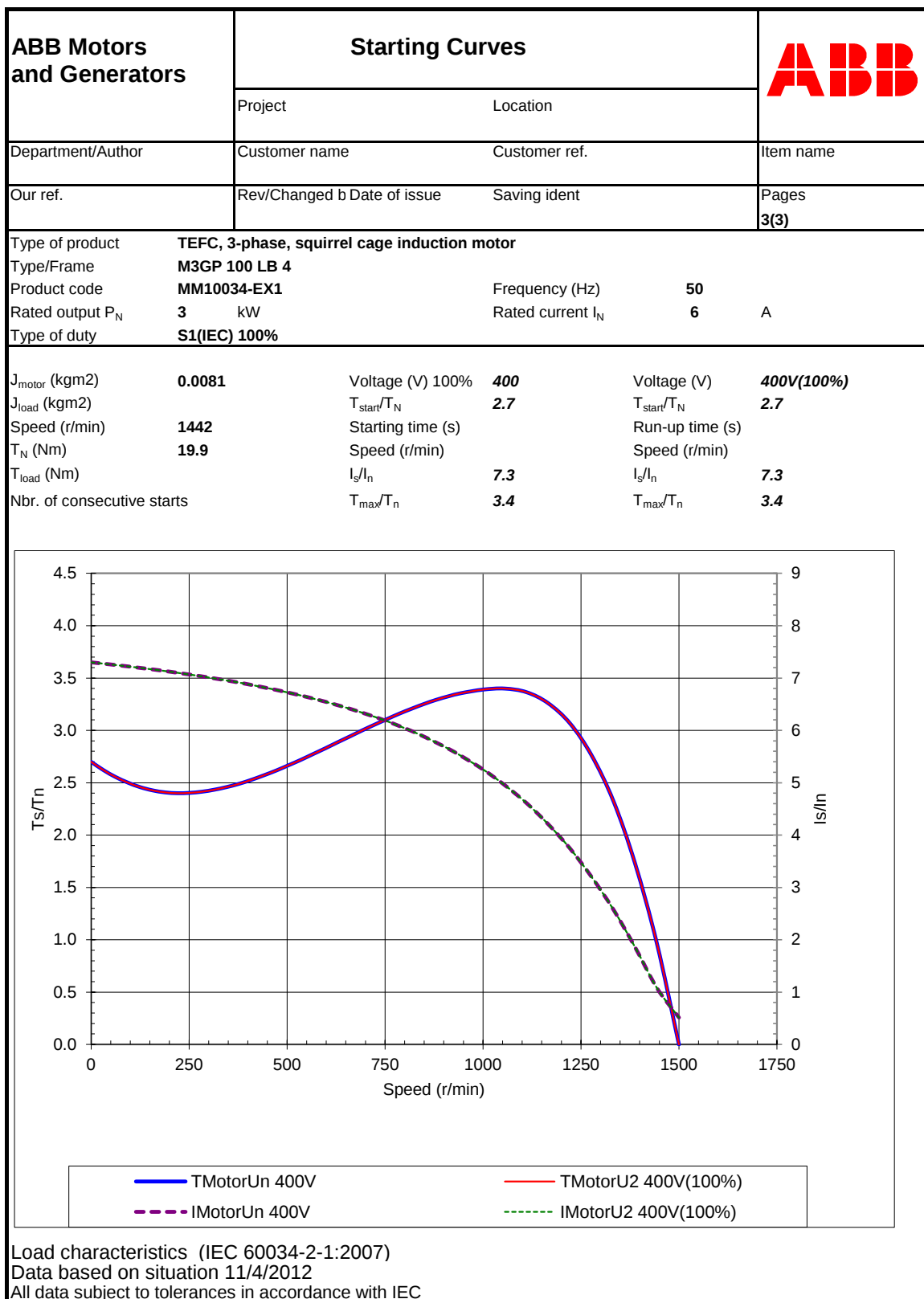


ABB Motors and Generators		Technical Data Sheet - DOL			
		Project	Location		
Department/Author		Customer name	Customer ref.		Item name
Our ref.		Rev/Changed by	Date of issue	Saving ident	Pages 1(3)

No.	Definition	Data	Unit	Remarks
1	Product	TEFC, 3-phase, squirrel cage induction motor		
2	Product code	MM10034-EX1 (3GGP102520-ASH+332)		
3	Type/Frame	M3GP 100 LB 4		
4	Mounting	IM1001, B3(foot)		
5	Rated output P _N	3	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	1444	r/min	
11	Rated current I _N	5.8	A	
12	No-load current	3.3	A	
13	Starting current I _s /I _N	7.4		Fullfilled IEC 60034-12 design N,H
14	Nominal torque T _N	19.8	Nm	
15	Locked rotor torque T _s /T _N	2.9		
16	Maximum torque T _{max} /T _N	3.7		
17	Minimum torque T _{min} /T _N	2.6		
18	Speed at minimum torque	225	r/min	
19	Load characteristics (IEC 60034-2-1:2007)	Load %	Current A	Efficiency % Power factor
20	PLL determined from residual loss	100	5.8	86.7 / IE2 0.82
21		75	4.7	87.1 0.75
22		50	3.9	85.8 0.62
23		Start	43	0.55
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	0.0081	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	6	kg	
42	Total weight of motor	63	kg	
43				
Ex-motors				
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