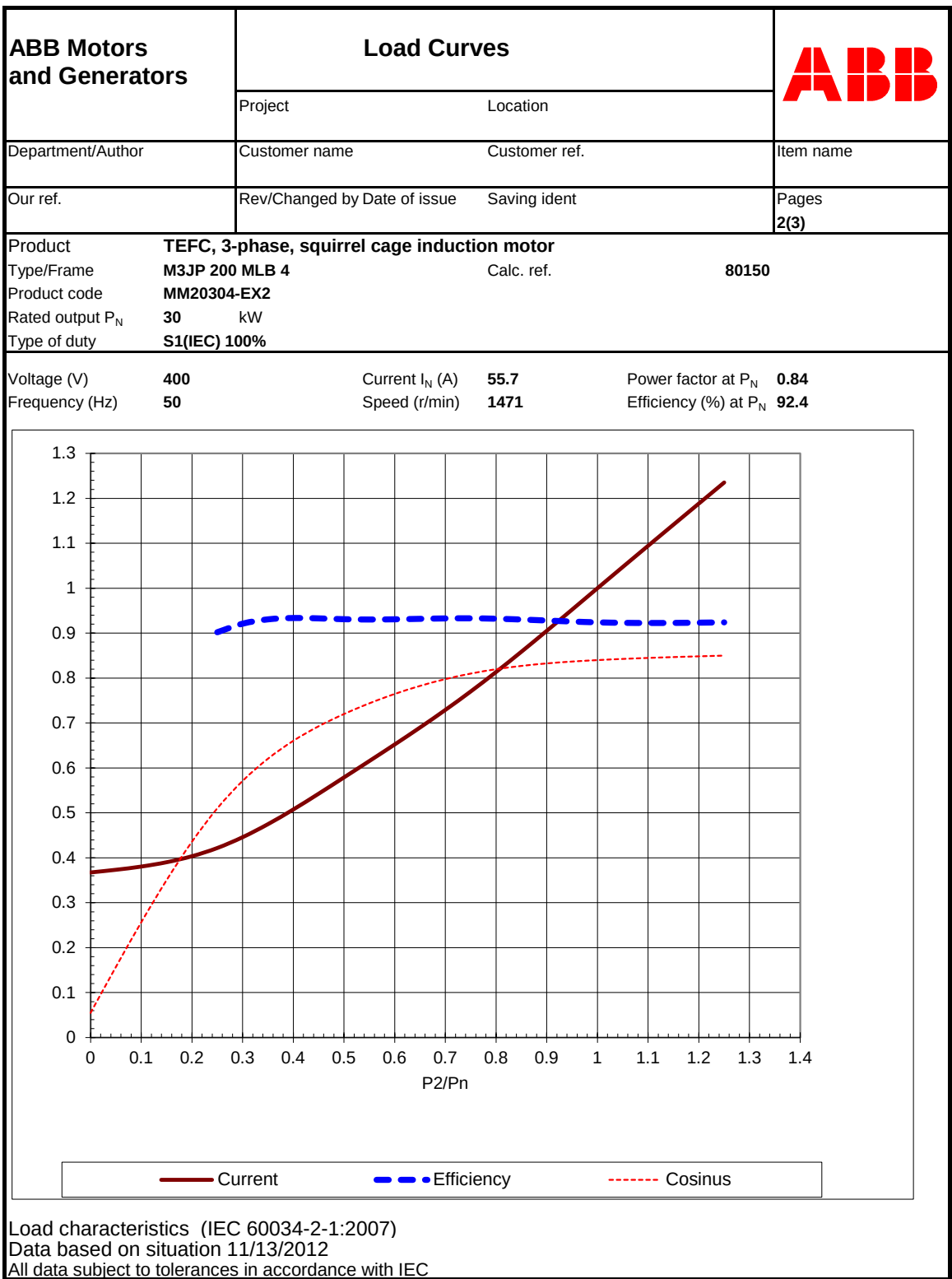


ABB Motors and Generators		Technical Data Sheet - DOL			
		Project _____		Location _____	
Department/Author _____		Customer name _____		Customer ref. _____	
Our ref. _____		Rev/Changed by _____		Date of issue _____	
		Saving ident _____		Pages 1(3)	

No.	Definition	Data	Unit	Remarks
1	Product	TEFC, 3-phase, squirrel cage induction motor		
2	Product code	MM20304-EX2 (3GJP202420-ADG+332+461)		
3	Type/Frame	M3JP 200 MLB 4		
4	Mounting	IM1001, B3(foot)		
5	Rated output P _N	30	kW	
6	Service factor	1		
7	Type of duty	S1(IEC) 100%		
8	Rated voltage U _N	400	VD	± 5 % (IEC 60034-1)
9	Rated frequency f _N	50	Hz	± 2 % (IEC 60034-1)
10	Rated speed n _N	1471	r/min	
11	Rated current I _N	55.7	A	
12	No-load current	21	A	
13	Starting current I _s /I _N	7.4		Fullfilled IEC 60034-12 design N,H
14	Nominal torque T _N	195	Nm	
15	Locked rotor torque T _s /T _N	3		
16	Maximum torque T _{max} /T _N	2.8		
17	Minimum torque T _{min} /T _N	2.5		
18	Speed at minimum torque	1050	r/min	
19	Load characteristics (IEC 60034-2-1:2007)	Load %	Current A	Efficiency %
20	PLL determined from residual loss	100	55.7	92.4 / IE2
21		75	42.9	93.3
22		50	32.2	93.1
23		Start	412	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	6312/C3 - 6310/C3		
32	Type of Grease	Lithium based		
33	Sound pressure level (LP dB(A) 1m)	61	dB(A)	at load
34	Moment of inertia J = ¼ GD2	0.34	kg-m2	
35	Balancing	Half Key		
36	Vibration class	Grade A		
37	Position of terminal box	Top		
38	Terminal box entries; no, dims.	2xM50x1.5 + 2xM20x1.5		
39	Number of power terminals	6		
40	Direction of rotation	CW or CCW		
41	Weight of rotor	73	kg	
42	Total weight of motor	340	kg	
43				
Ex-motors				
44	Type of protection	*Ex d IIC T4		
45				
Variant Codes / Definition 332 = Baldor catalog number 461 = Exd design, group IIC				
Remarks:				
Data based on situation 11/13/2012 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.				



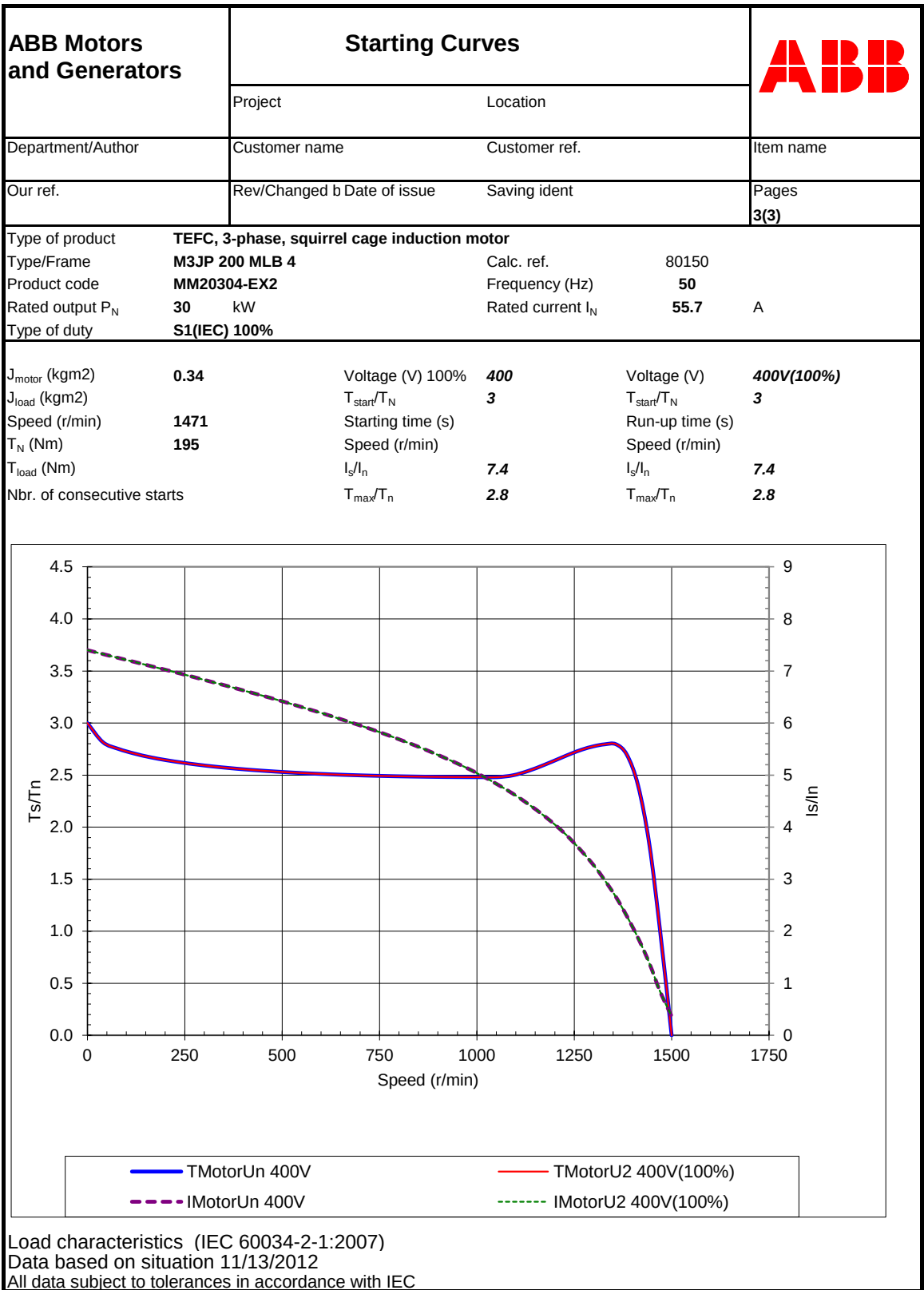
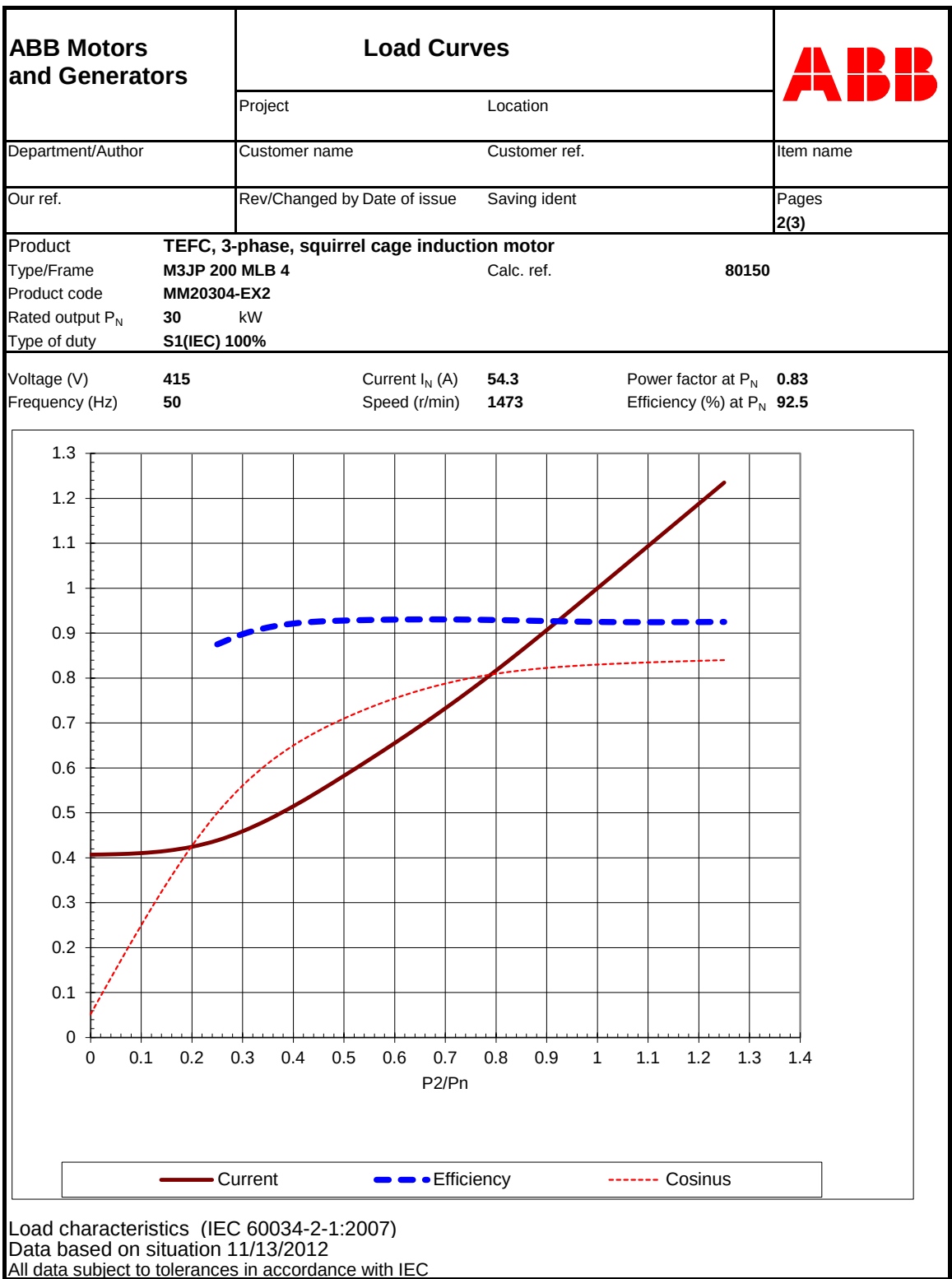


ABB Motors and Generators		Technical Data Sheet - DOL			
		Project		Location	
Department/Author		Customer name		Customer ref.	
Our ref.		Rev/Changed by		Date of issue	
		Saving ident		Pages 1(3)	

No.	Definition	Data	Unit	Remarks
1	Product	TEFC, 3-phase, squirrel cage induction motor		
2	Product code	MM20304-EX2 (3GJP202420-ADG+332+461)		
3	Type/Frame	M3JP 200 MLB 4		
4	Mounting	IM1001, B3(foot)		
5	Rated output P _N	30	kW	
6	Service factor	1		
7	Type of duty	S1(IEC) 100%		
8	Rated voltage U _N	415	VD	± 5 % (IEC 60034-1)
9	Rated frequency f _N	50	Hz	± 2 % (IEC 60034-1)
10	Rated speed n _N	1473	r/min	
11	Rated current I _N	54.3	A	
12	No-load current	22	A	
13	Starting current I _s /I _N	7.9		Fullfilled IEC 60034-12 design N,H
14	Nominal torque T _N	194	Nm	
15	Locked rotor torque T _S /T _N	3.2		
16	Maximum torque T _{max} /T _N	3		
17	Minimum torque T _{min} /T _N	2.7		
18	Speed at minimum torque	1050	r/min	
19	Load characteristics (IEC 60034-2-1:2007)	Load %	Current A	Efficiency %
20	PLL determined from residual loss	100	54.3	92.5 / IE2
21		75	42	93
22		50	31.6	92.8
23		Start	429	0.51
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	6312/C3 - 6310/C3		
32	Type of Grease	Lithium based		
33	Sound pressure level (LP dB(A) 1m)	61	dB(A)	at load
34	Moment of inertia J = ¼ GD2	0.34	kg-m2	
35	Balancing	Half Key		
36	Vibration class	Grade A		
37	Position of terminal box	Top		
38	Terminal box entries; no, dims.	2xM50x1.5 + 2xM20x1.5		
39	Number of power terminals	6		
40	Direction of rotation	CW or CCW		
41	Weight of rotor	73	kg	
42	Total weight of motor	340	kg	
43				
Ex-motors				
44	Type of protection	*Ex d IIC T4		
45				
Variant Codes / Definition				
	332 = Baldor catalog number			
	461 = Exd design, group IIC			
Remarks:				
Data based on situation 11/13/2012				
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.				



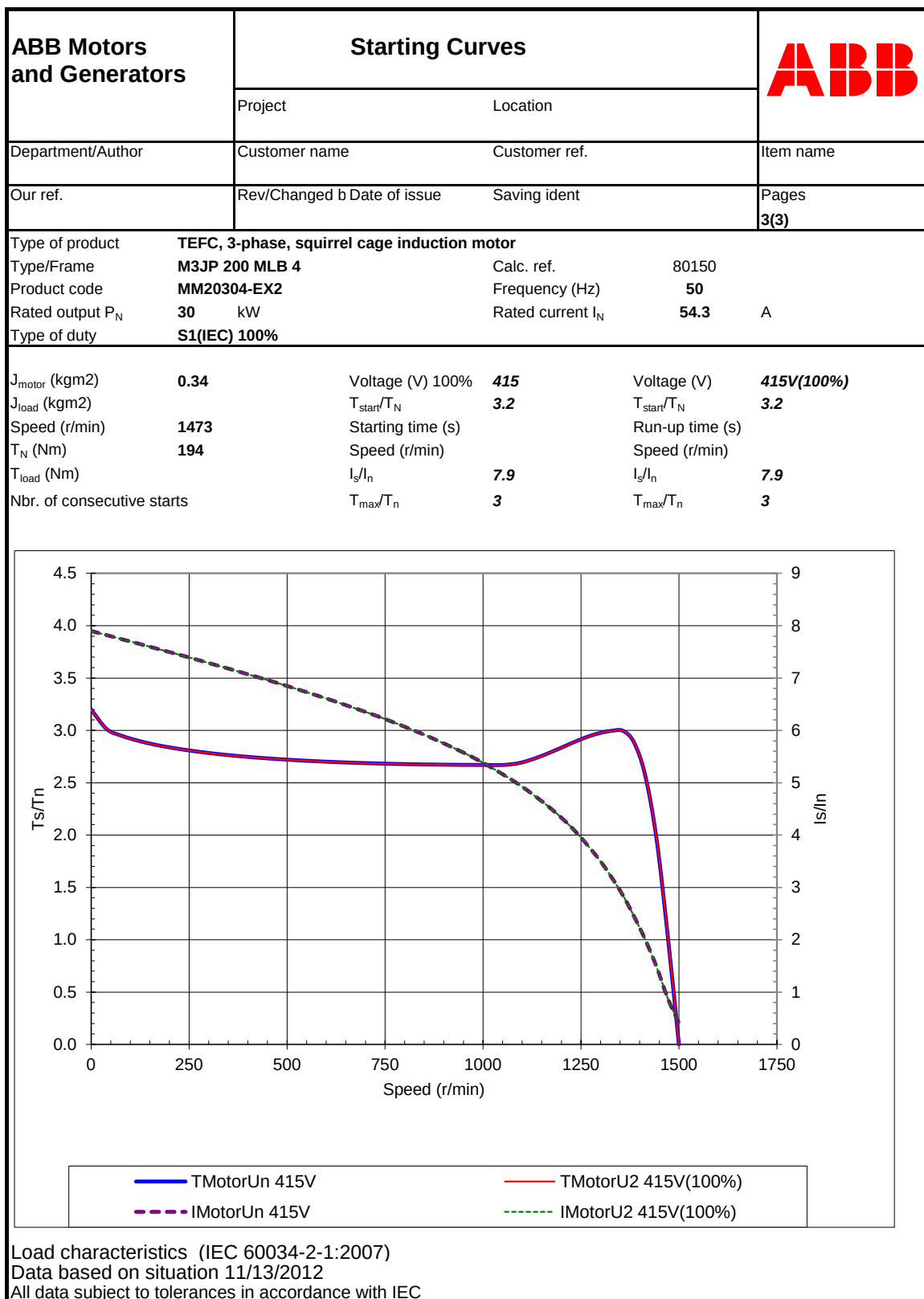


ABB Motors and Generators		Technical Data Sheet - DOL			
		Project		Location	
Department/Author		Customer name		Customer ref.	Item name
Our ref.		Rev/Changed by	Date of issue	Saving ident	Pages 1(3)

No.	Definition	Data	Unit	Remarks	
1	Product	TEFC, 3-phase, squirrel cage induction motor			
2	Product code	MM20304-EX2 (3GJP202420-ADG+332+461)			
3	Type/Frame	M3JP 200 MLB 4			
4	Mounting	IM1001, B3(foot)			
5	Rated output P _N	30	kW		
6	Service factor	1			
7	Type of duty	S1(IEC) 100%			
8	Rated voltage U _N	690	VY	± 5 % (IEC 60034-1)	
9	Rated frequency f _N	50	Hz	± 2 % (IEC 60034-1)	
10	Rated speed n _N	1471	r/min		
11	Rated current I _N	32.3	A		
12	No-load current	11.9	A		
13	Starting current I _s /I _N	7.4		Fullfilled IEC 60034-12 design N,H	
14	Nominal torque T _N	195	Nm		
15	Locked rotor torque T _S /T _N	3			
16	Maximum torque T _{max} /T _N	2.8			
17	Minimum torque T _{min} /T _N	2.5			
18	Speed at minimum torque	1050	r/min		
19	Load characteristics (IEC 60034-2-1:2007)	Load %	Current A	Efficiency %	Power factor
20	PLL determined from residual loss	100	32.3	92.4 / IE2	0.84
21		75	24.9	93.3	0.81
22		50	18.7	93.1	0.72
23		Start	239		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	6312/C3 - 6310/C3			
32	Type of Grease	Lithium based			
33	Sound pressure level (LP dB(A) 1m)	61	dB(A)	at load	
34	Moment of inertia J = ¼ GD2	0.34	kg-m2		
35	Balancing	Half Key			
36	Vibration class	Grade A			
37	Position of terminal box	Top			
38	Terminal box entries; no, dims.	2xM50x1.5 + 2xM20x1.5			
39	Number of power terminals	6			
40	Direction of rotation	CW or CCW			
41	Weight of rotor	73	kg		
42	Total weight of motor	340	kg		
43					
Ex-motors					
44	Type of protection	*Ex d IIC T4			
45					
Variant Codes / Definition					
	332 = Baldor catalog number				
	461 = Exd design, group IIC				
Remarks:					
Data based on situation 11/13/2012					
All data subject to tolerances in accordance with IEC					
Guaranteed values on request					
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