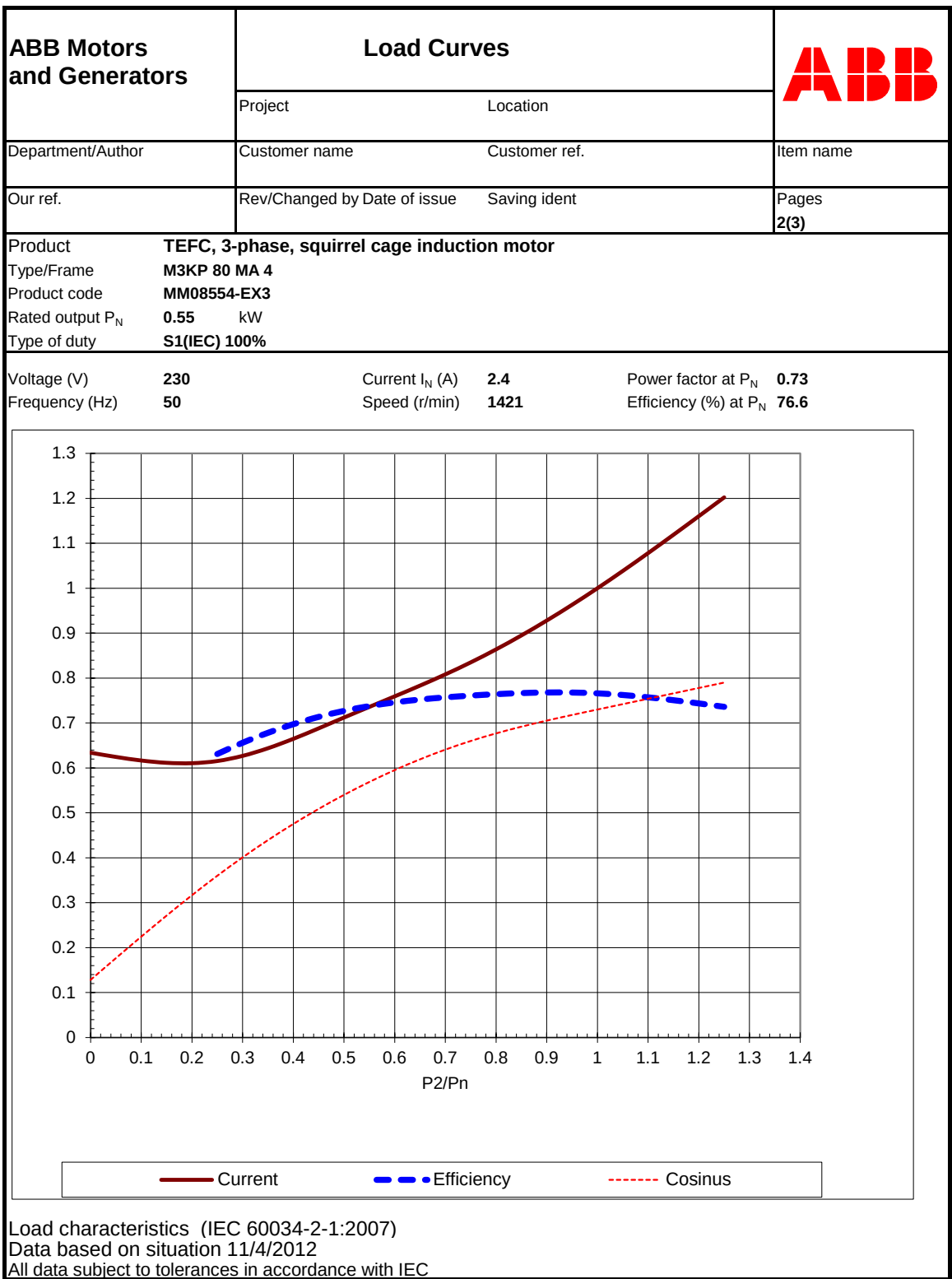


ABB Motors and Generators		Technical Data Sheet - DOL			
		Project		Location	
Department/Author		Customer name		Customer ref.	Item name
Our ref.		Rev/Changed by	Date of issue	Saving ident	Pages 1(3)

No.	Definition	Data	Unit	Remarks
1	Product	TEFC, 3-phase, squirrel cage induction motor		
2	Product code	MM08554-EX3 (3GKP082310-ASH+332+461)		
3	Type/Frame	M3KP 80 MA 4		
4	Mounting	IM1001, B3(foot)		
5	Rated output P _N	0.55	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	1421	r/min	
11	Rated current I _N	2.4	A	
12	No-load current	1.57	A	
13	Starting current I _s /I _N	4.9		Fullfilled IEC 60034-12 design N,H
14	Nominal torque T _N	3.7	Nm	
15	Locked rotor torque T _S /T _N	2.3		
16	Maximum torque T _{max} /T _N	2.7		
17	Minimum torque T _{min} /T _N	2.2		
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	2.4	76.6 0.73
21		75	2	76.1 0.66
22		50	1.75	72.7 0.54
23		Start	12	0.57
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	6205-2Z/C3 - 6204-2Z/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	0.001	kg-m2	
35	Balancing	Half Key		
36	Vibration class	Grade A		
37	Position of terminal box	Top		
38	Terminal box entries; no, dims.	1xM25x1.5 + 1xM20x1.5		
39	Number of power terminals	6		
40	Direction of rotation	CW or CCW		
41	Weight of rotor	2	kg	
42	Total weight of motor	29	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.				



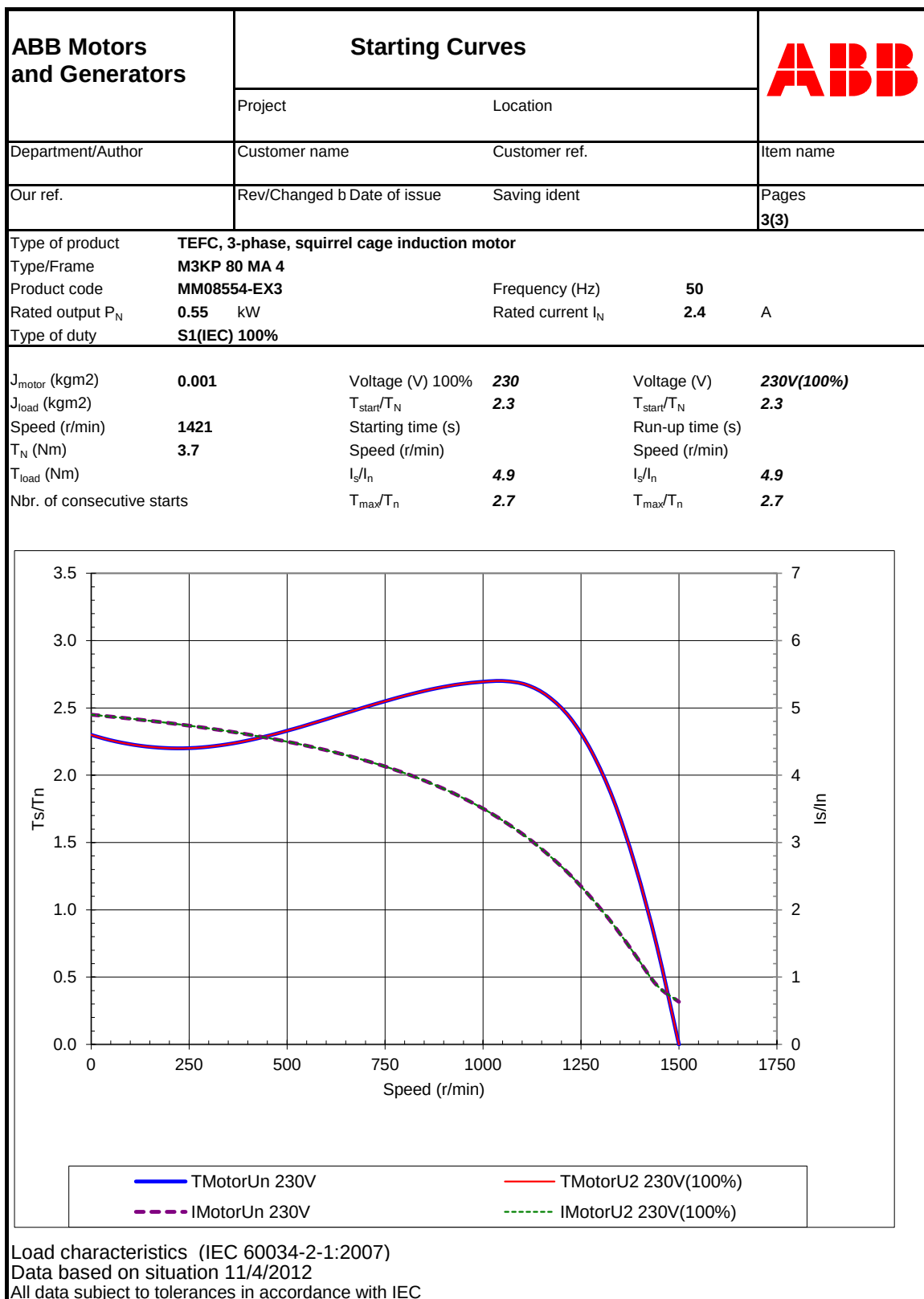


ABB Motors and Generators		Technical Data Sheet - DOL			
		Project		Location	
Department/Author		Customer name		Customer ref.	Item name
Our ref.		Rev/Changed by	Date of issue	Saving ident	Pages 1(3)

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2	Product code	MM08554-EX3 (3GKP082310-ASH+332+461)		
3	Type/Frame	M3KP 80 MA 4		
4	Mounting	IM1001, B3(foot)		
5	Rated output P _N	0.55	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	1421	r/min	
11	Rated current I _N	1.41	A	
12	No-load current	0.9	A	
13	Starting current I _s /I _N	4.9		Fullfilled IEC 60034-12 design N,H
14	Nominal torque T _N	3.7	Nm	
15	Locked rotor torque T _S /T _N	2.3		
16	Maximum torque T _{max} /T _N	2.7		
17	Minimum torque T _{min} /T _N	2.2		
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	1.41	76.6 0.73
21		75	1.18	76.1 0.66
22		50	1.01	72.7 0.54
23		Start	6.9	0.57
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		
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