

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)

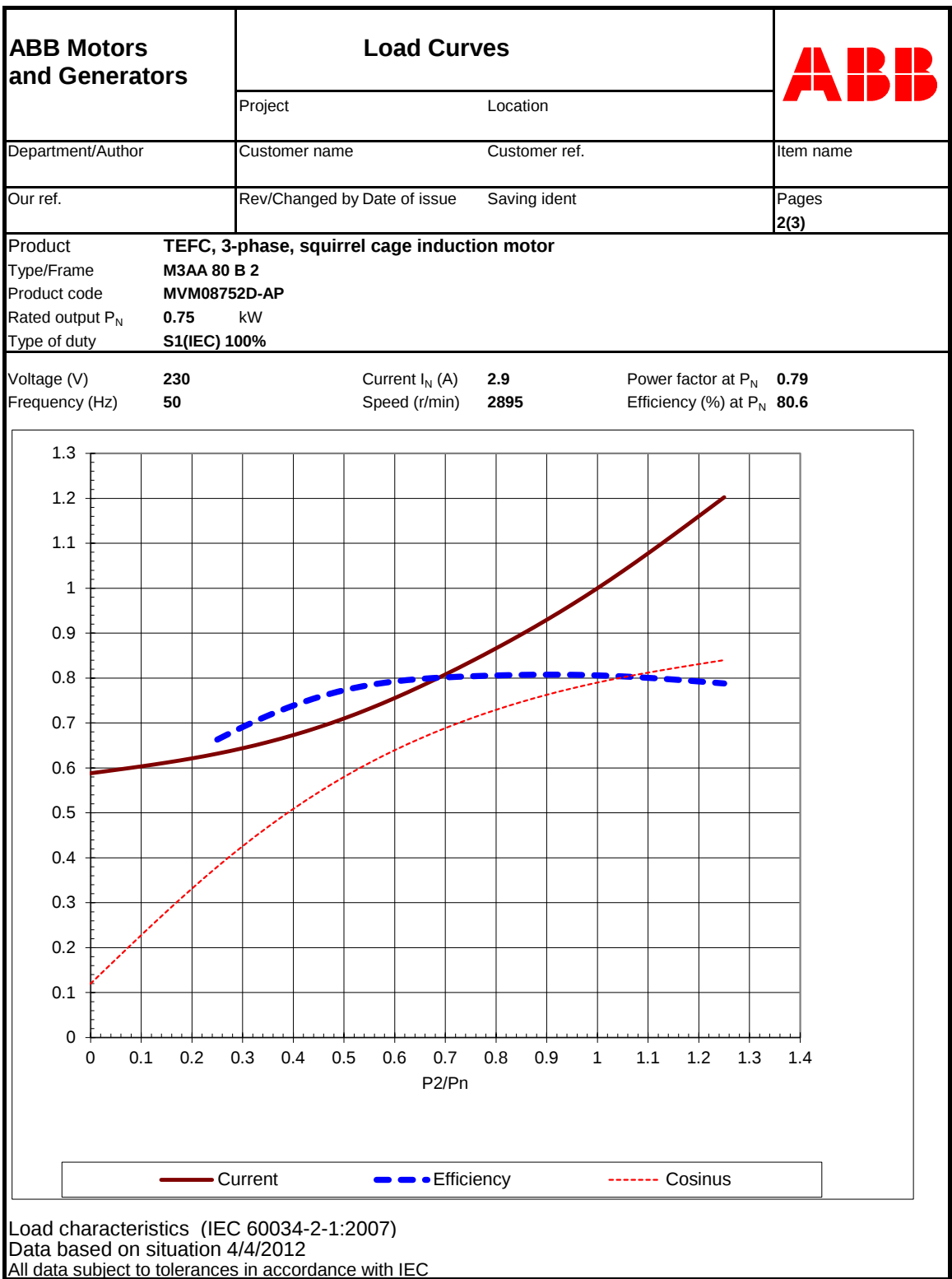
No.	Definition	Data	Unit	Remarks	
1	Product	TEFC, 3-phase, squirrel cage induction motor			
2	Product code	MVM08752D-AP (3GAA081312-BSE+332)			
3	Type/Frame	M3AA 80 B 2			
4	Mounting	IM3001, B5(flange)			
5	Rated output P _N	0.75	kW		
6	Service factor	1			
7	Type of duty	S1(IEC) 100%			
8	Rated voltage U _N	230	VD	± 5 % (IEC 60034-1)	
9	Rated frequency f _N	50	Hz	± 2 % (IEC 60034-1)	
10	Rated speed n _N	2895	r/min		
11	Rated current I _N	2.9	A		
12	No-load current	1.74	A		
13	Starting current I _s /I _N	8.1		Fullfilled IEC 60034-12 design N,H	
14	Nominal torque T _N	2.5	Nm		
15	Locked rotor torque T _S /T _N	3.7			
16	Maximum torque T _{max} /T _N	3.9			
17	Minimum torque T _{min} /T _N	3.4			
18	Speed at minimum torque	660	r/min		
19	Load characteristics (IEC 60034-2-1:2007)	Load %	Current A	Efficiency %	Power factor
20	PLL determined from residual loss	100	2.9	80.6 / IE2	0.79
21		75	2.4	80.4	0.71
22		50	2	77.3	0.58
23		Start	23.9		0.77
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	6204-2Z/C3 - 6203-2Z/C3			
32	Type of Grease	Greased for life			
33	Sound pressure level (LP dB(A) 1m)	60	dB(A)		at load
34	Moment of inertia J = ¼ GD2	0.0009	kg-m2		
35	Balancing	Half Key			
36	Vibration class	Grade A			
37	Position of terminal box	Top			
38	Terminal box entries; no, dimens.	2xM20			
39	Number of power terminals	6			
40	Direction of rotation	CW or CCW			
41	Weight of rotor	2	kg		
42	Total weight of motor	11	kg		
43					

Variant Codes / Definition

332 = Baldor catalog number

Remarks:

Data based on situation 4/4/2012
All data subject to tolerances in accordance with IEC
Guaranteed values on request



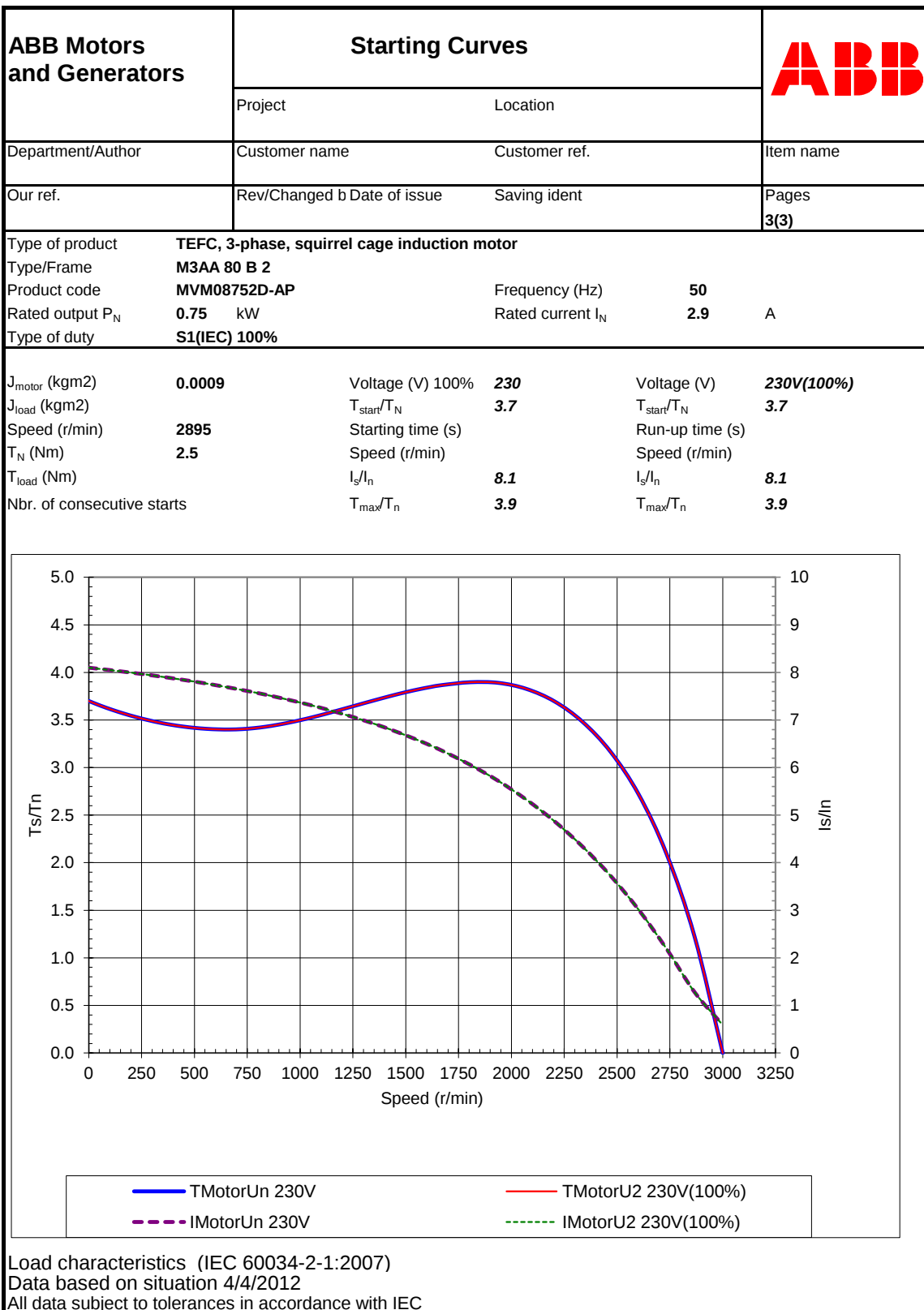


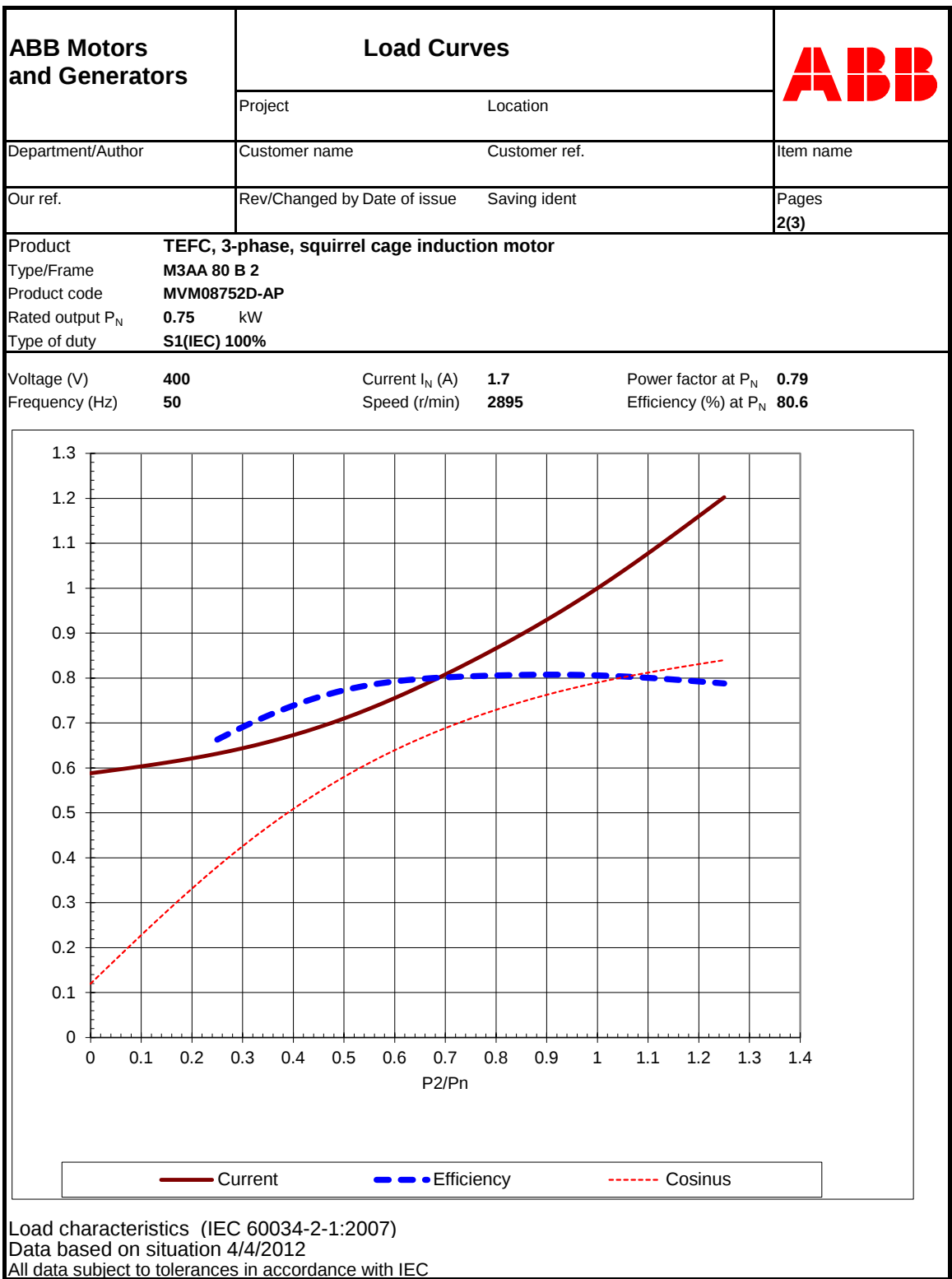
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1	Product	TEFC, 3-phase, squirrel cage induction motor			
2	Product code	MVM08752D-AP (3GAA081312-BSE+332)			
3	Type/Frame	M3AA 80 B 2			
4	Mounting	IM3001, B5(flange)			
5	Rated output P _N	0.75	kW		
6	Service factor	1			
7	Type of duty	S1(IEC) 100%			
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	2895	r/min		
11	Rated current I _N	1.7	A		
12	No-load current	1	A		
13	Starting current I _s /I _N	8.1		Fullfilled IEC 60034-12 design N,H	
14	Nominal torque T _N	2.5	Nm		
15	Locked rotor torque T _S /T _N	3.7			
16	Maximum torque T _{max} /T _N	3.9			
17	Minimum torque T _{min} /T _N	3.4			
18	Speed at minimum torque	660	r/min		
19	Load characteristics (IEC 60034-2-1:2007)	Load %	Current A	Efficiency %	Power factor
20	PLL determined from residual loss	100	1.7	80.6 / IE2	0.79
21		75	1.42	80.4	0.71
22		50	1.2	77.3	0.58
23		Start	13.7		0.77
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	6204-2Z/C3 - 6203-2Z/C3			
32	Type of Grease	Greased for life			
33	Sound pressure level (LP dB(A) 1m)	60	dB(A)	at load	
34	Moment of inertia J = ¼ GD2	0.0009	kg-m2		
35	Balancing	Half Key			
36	Vibration class	Grade A			
37	Position of terminal box	Top			
38	Terminal box entries; no, dimens.	2xM20			
39	Number of power terminals	6			
40	Direction of rotation	CW or CCW			
41	Weight of rotor	2	kg		
42	Total weight of motor	11	kg		
43					

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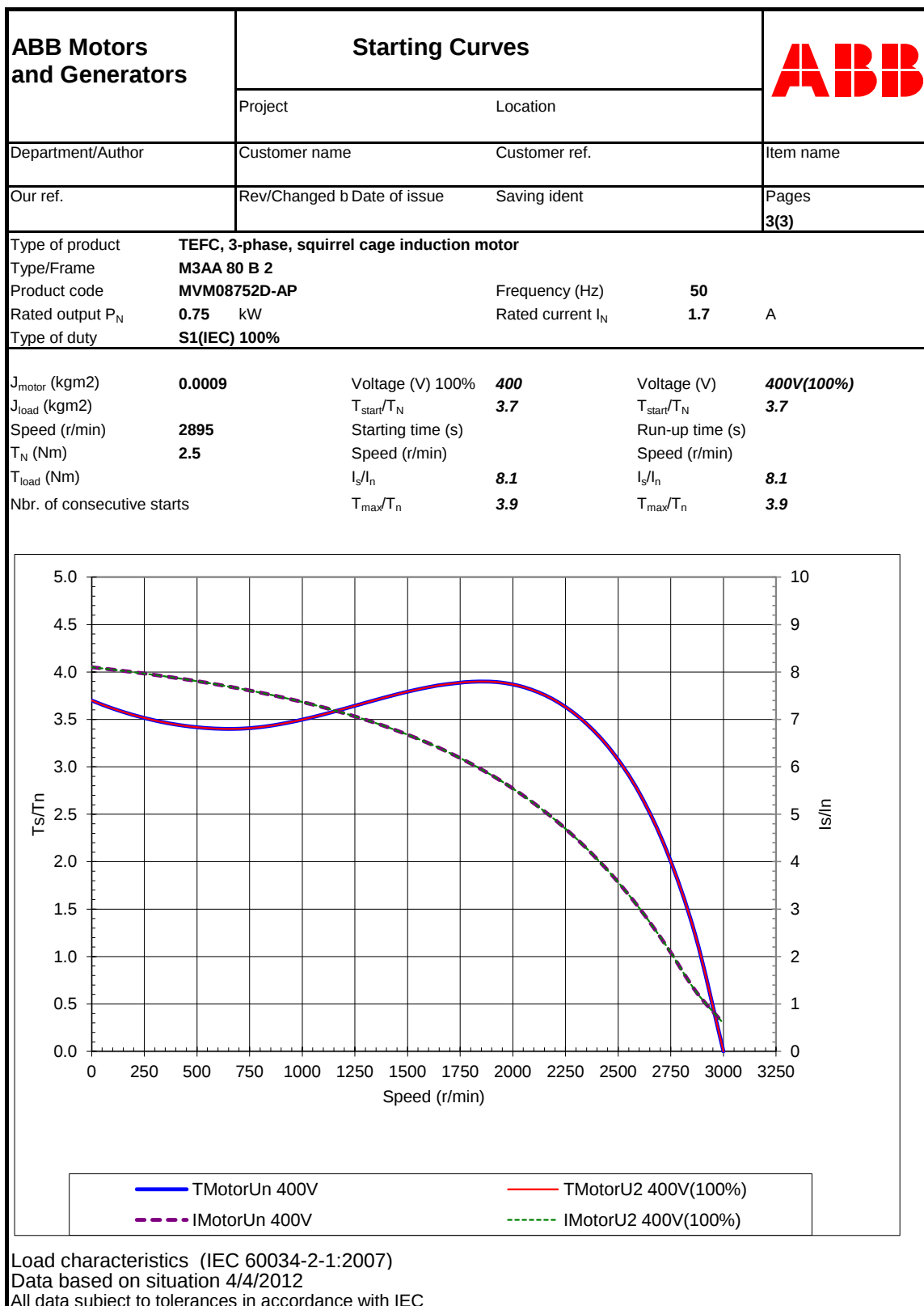


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		Project		Location		
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Our ref.		Rev/Changed by	Date of issue	Saving ident		Pages 1(3)

No.	Definition	Data	Unit	Remarks	
1	Product	TEFC, 3-phase, squirrel cage induction motor			
2	Product code	MVM08752D-AP (3GAA081312-BSE+332)			
3	Type/Frame	M3AA 80 B 2			
4	Mounting	IM3001, B5(flange)			
5	Rated output P _N	0.75	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	3505	r/min		
11	Rated current I _N	1.42	A		
12	No-load current	0.9	A		
13	Starting current I _s /I _N	9.6		Fullfilled IEC 60034-12 design N,H	
14	Nominal torque T _N	2	Nm		
15	Locked rotor torque T _S /T _N	3.7			
16	Maximum torque T _{max} /T _N	4.5			
17	Minimum torque T _{min} /T _N	3.4			
18	Speed at minimum torque	792	r/min		
19	Load characteristics (IEC 60034-2-1:2007)	Load %	Current A	Efficiency %	Power factor
20	PLL determined from residual loss	100	1.42	82.5 / IE3	0.8
21		75	1.2	81.4	0.72
22		50	1.01	77.5	0.6
23		Start	13.6		0.77
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	6204-2Z/C3 - 6203-2Z/C3			
32	Type of Grease	Greased for life			
33	Sound pressure level (LP dB(A) 1m)	67	dB(A)	at load	
34	Moment of inertia J = ¼ GD2	0.0009	kg-m2		
35	Balancing	Half Key			
36	Vibration class	Grade A			
37	Position of terminal box	Top			
38	Terminal box entries; no, dimens.	2xM20			
39	Number of power terminals	6			
40	Direction of rotation	CW or CCW			
41	Weight of rotor	2	kg		
42	Total weight of motor	11	kg		
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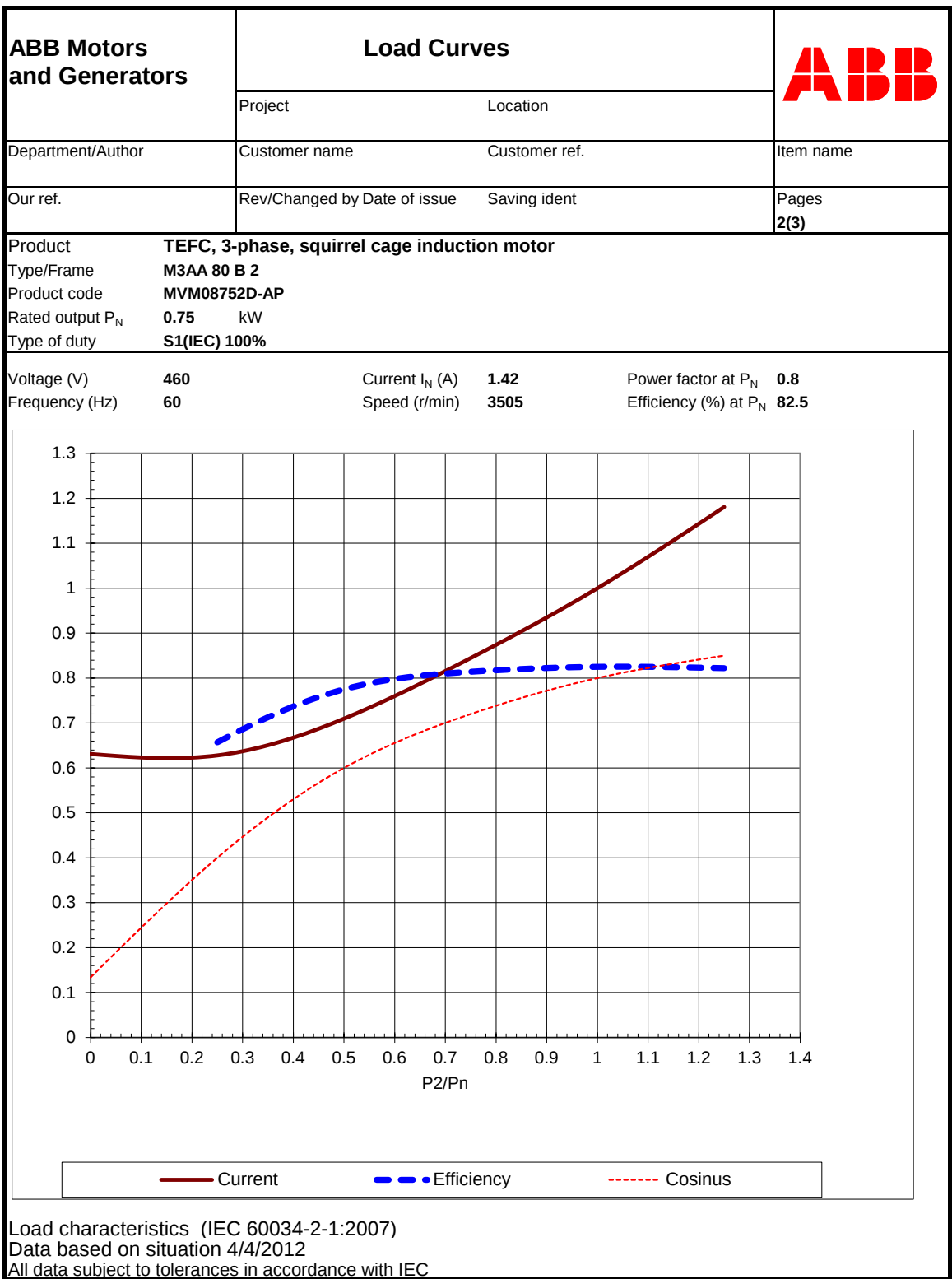
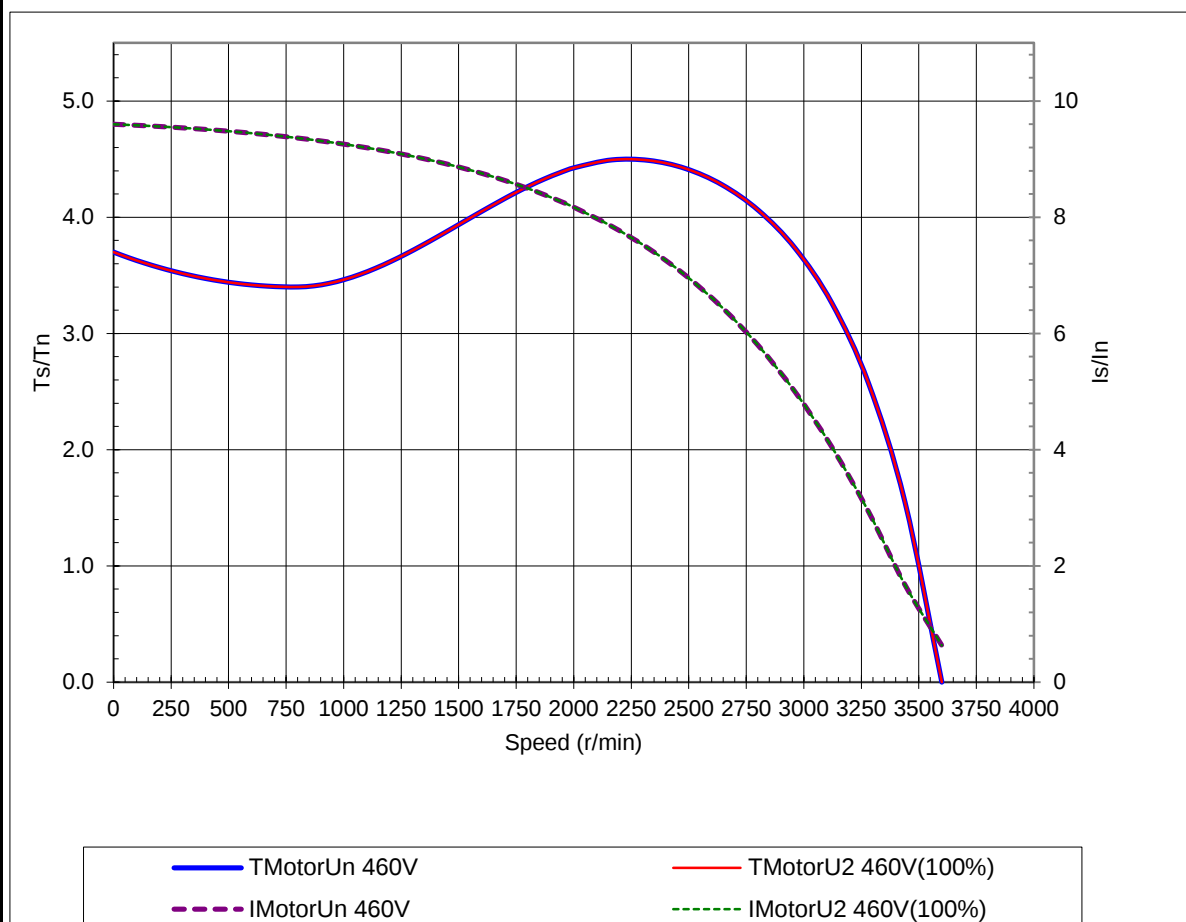


ABB Motors and Generators	Starting Curves		ABB
	Project	Location	
Department/Author	Customer name	Customer ref.	Item name
Our ref.	Rev/Changed b	Date of issue	Saving ident
			Pages 3(3)

Type of product	TEFC, 3-phase, squirrel cage induction motor		
Type/Frame	M3AA 80 B 2		
Product code	MVM08752D-AP	Frequency (Hz)	60
Rated output P_N	0.75 kW	Rated current I_N	1.42 A
Type of duty	S1(IEC) 100%		

J_{motor} (kgm ²)	0.0009	Voltage (V) 100%	460	Voltage (V)	460V(100%)
J_{load} (kgm ²)		T_{start}/T_N	3.7	T_{start}/T_N	3.7
Speed (r/min)	3505	Starting time (s)		Run-up time (s)	
T_N (Nm)	2	Speed (r/min)		Speed (r/min)	
T_{load} (Nm)		I_s/I_N	9.6	I_s/I_N	9.6
Nbr. of consecutive starts		T_{max}/T_N	4.5	T_{max}/T_N	4.5



Load characteristics (IEC 60034-2-1:2007)
Data based on situation 4/4/2012
All data subject to tolerances in accordance with IEC