

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)

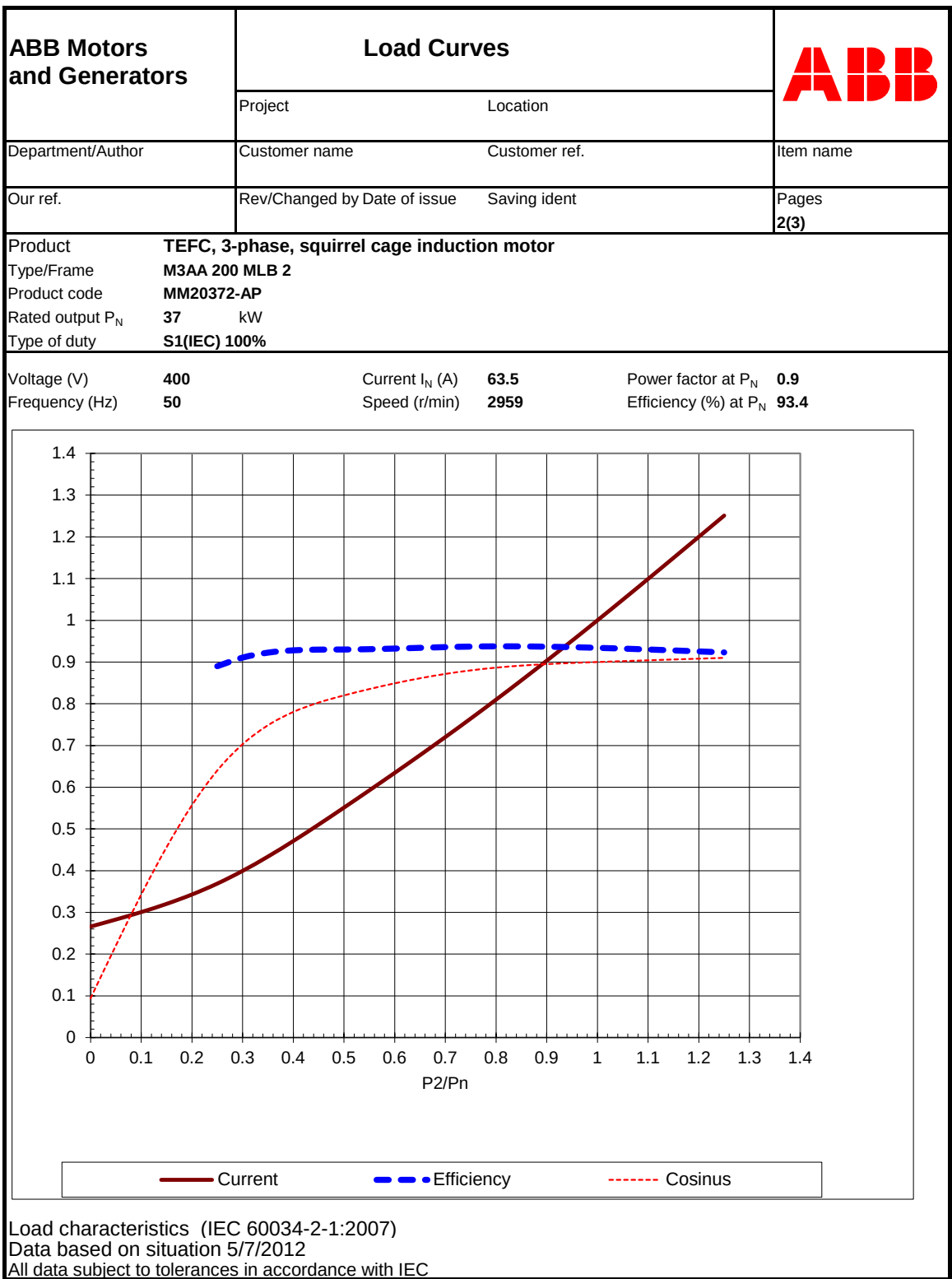
No.	Definition	Data	Unit	Remarks	
1	Product	TEFC, 3-phase, squirrel cage induction motor			
2	Product code	MM20372-AP (3GAA201036-ADG+332+333)			
3	Type/Frame	M3AA 200 MLB 2			
4	Mounting	IM1001, B3(foot)			
5	Rated output P _N	37	kW		
6	Service factor	1			
7	Type of duty	S1(IEC) 100%			
8	Rated voltage U _N	400	VD	± 5 % (IEC 60034-1)	
9	Rated frequency f _N	50	Hz	± 2 % (IEC 60034-1)	
10	Rated speed n _N	2959	r/min		
11	Rated current I _N	63.5	A		
12	No-load current	16.9	A		
13	Starting current I _s /I _N	8.2		Fullfilled IEC 60034-12 design N,H	
14	Nominal torque T _N	119	Nm		
15	Locked rotor torque T _S /T _N	3			
16	Maximum torque T _{max} /T _N	3.3			
17	Minimum torque T _{min} /T _N	2.5			
18	Speed at minimum torque	2100	r/min		
19	Load characteristics (IEC 60034-2-1:2007)	Load %	Current A	Efficiency %	Power factor
20	PLL determined from residual loss	100	63.5	93.4 / IE2	0.9
21		75	48.5	93.7	0.88
22		50	35	93	0.82
23		Start	520		0.4
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	6312-2Z/C3 - 6210-2Z/C3			
32	Type of Grease	Greased for life			
33	Sound pressure level (LP dB(A) 1m)	72	dB(A)	at load	
34	Moment of inertia J = ¼ GD2	0.196	kg-m2		
35	Balancing	Half Key			
36	Vibration class	Grade A			
37	Position of terminal box	Top			
38	Terminal box entries; no, dimens.	2xM40 + 1xM16			
39	Number of power terminals	6			
40	Direction of rotation	CW or CCW			
41	Total weight of motor	225	kg		
42					

Variant Codes / Definition

332 = Baldor catalog number
333 = Not for use in the USA

Remarks:

Data based on situation 5/7/2012
All data subject to tolerances in accordance with IEC
Guaranteed values on request



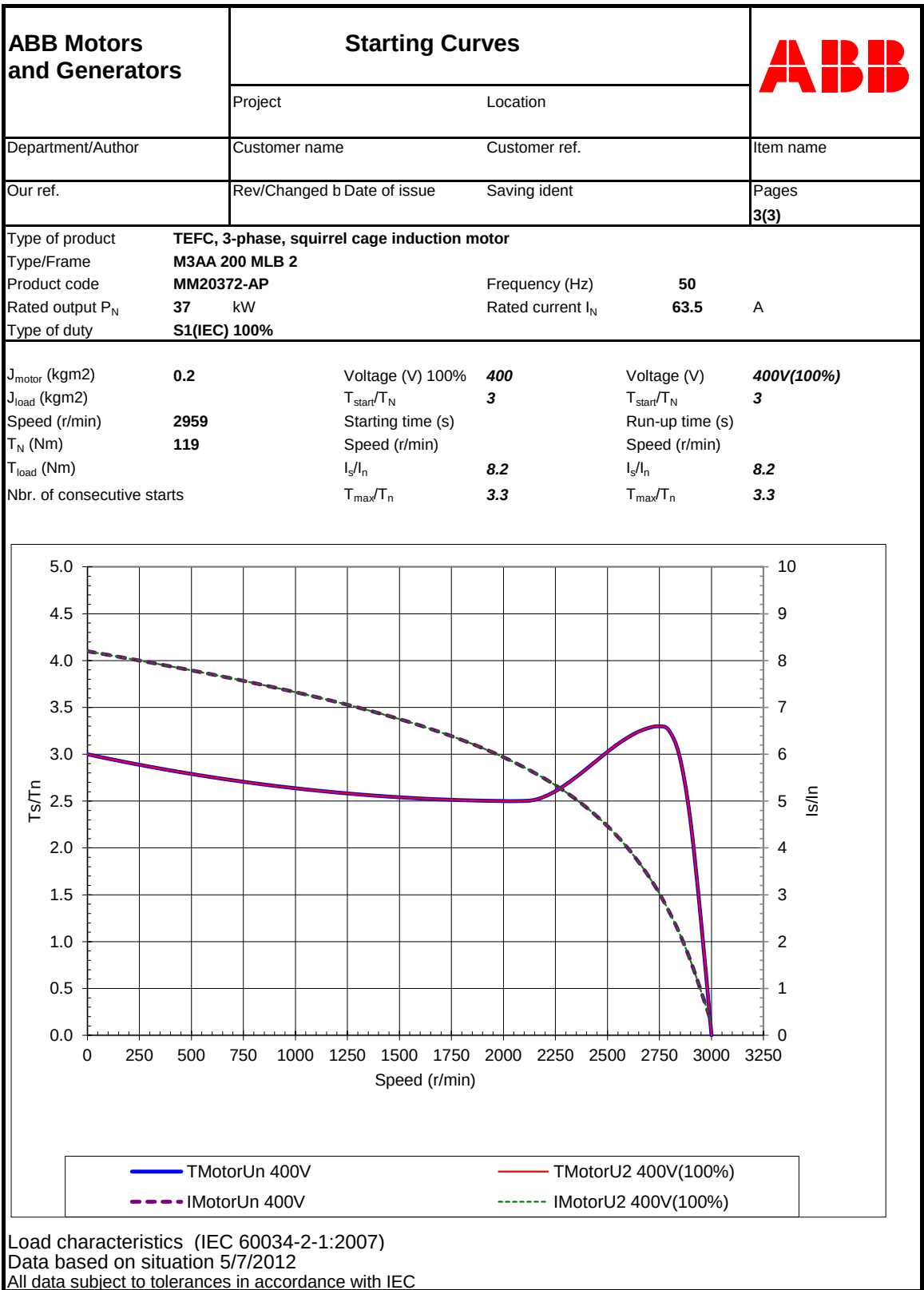


ABB Motors and Generators		Technical Data Sheet - DOL				
		Project		Location		
Department/Author		Customer name		Customer ref.		Item name
Our ref.		Rev/Changed by	Date of issue	Saving ident		Pages 1(3)

No.	Definition	Data	Unit	Remarks	
1	Product	TEFC, 3-phase, squirrel cage induction motor			
2	Product code	MM20372-AP (3GAA201036-ADG+332+333)			
3	Type/Frame	M3AA 200 MLB 2			
4	Mounting	IM1001, B3(foot)			
5	Rated output P _N	37	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	2962	r/min		
11	Rated current I _N	61.8	A		
12	No-load current	18.2	A		
13	Starting current I _s /I _N	8.7		Fullfilled IEC 60034-12 design N,H	
14	Nominal torque T _N	119	Nm		
15	Locked rotor torque T _S /T _N	3.3			
16	Maximum torque T _{max} /T _N	3.6			
17	Minimum torque T _{min} /T _N	2.7			
18	Speed at minimum torque	2100	r/min		
19	Load characteristics (IEC 60034-2-1:2007)	Load %	Current A	Efficiency %	Power factor
20	PLL determined from residual loss	100	61.8	93.5 / IE2	0.89
21		75	47.9	93.7	0.86
22		50	34.6	92.8	0.8
23		Start	538		0.4
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	6312-2Z/C3 - 6210-2Z/C3			
32	Type of Grease	Greased for life			
33	Sound pressure level (LP dB(A) 1m)	72	dB(A)	at load	
34	Moment of inertia J = ¼ GD2	0.196	kg-m2		
35	Balancing	Half Key			
36	Vibration class	Grade A			
37	Position of terminal box	Top			
38	Terminal box entries; no, dimens.	2xM40 + 1xM16			
39	Number of power terminals	6			
40	Direction of rotation	CW or CCW			
41	Total weight of motor	225	kg		
42					

Variant Codes / Definition

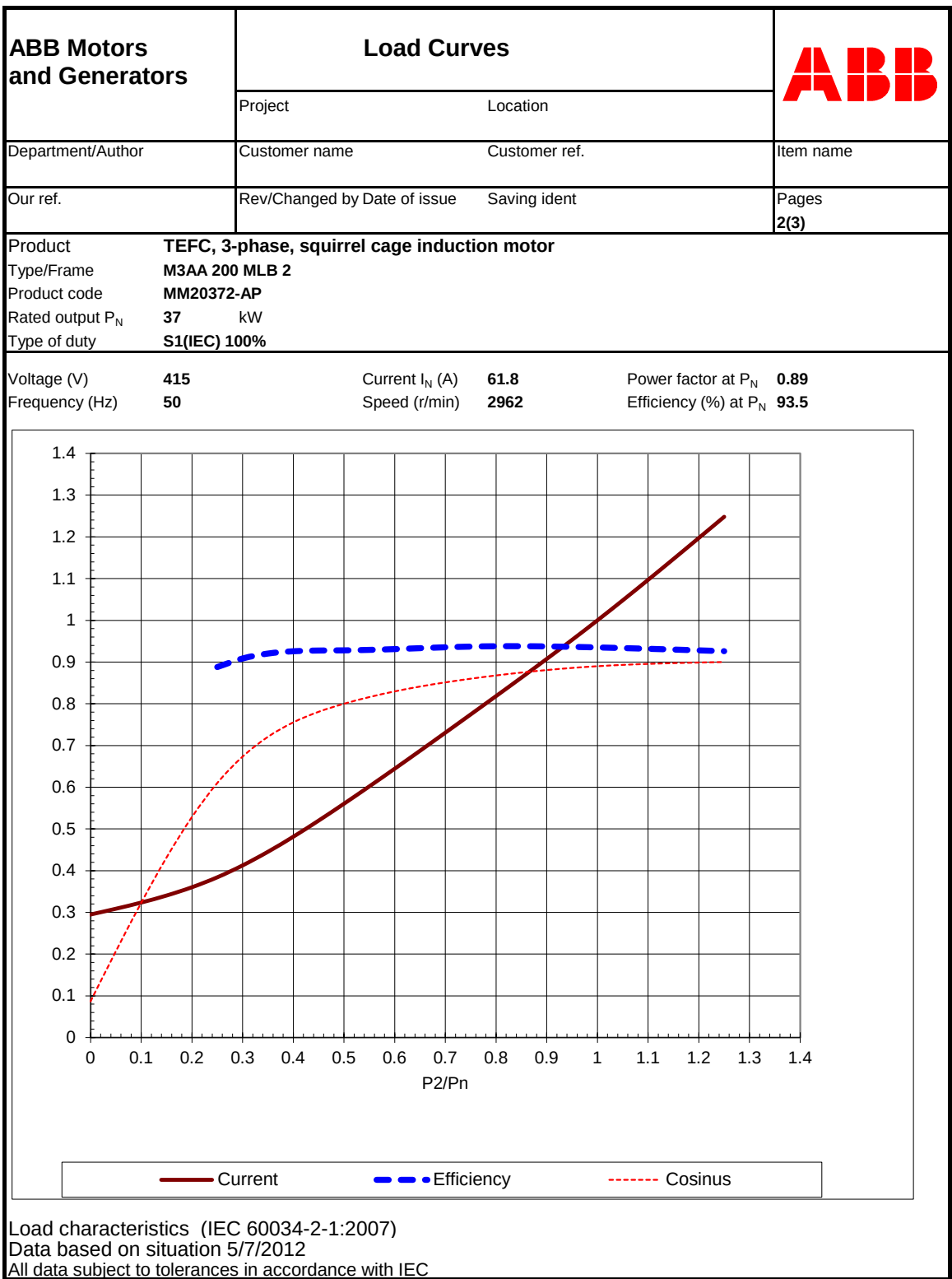
332 = Baldor catalog number
333 = Not for use in the USA

Remarks:

 Data based on situation 5/7/2012

 All data subject to tolerances in accordance with IEC

 Guaranteed values on request



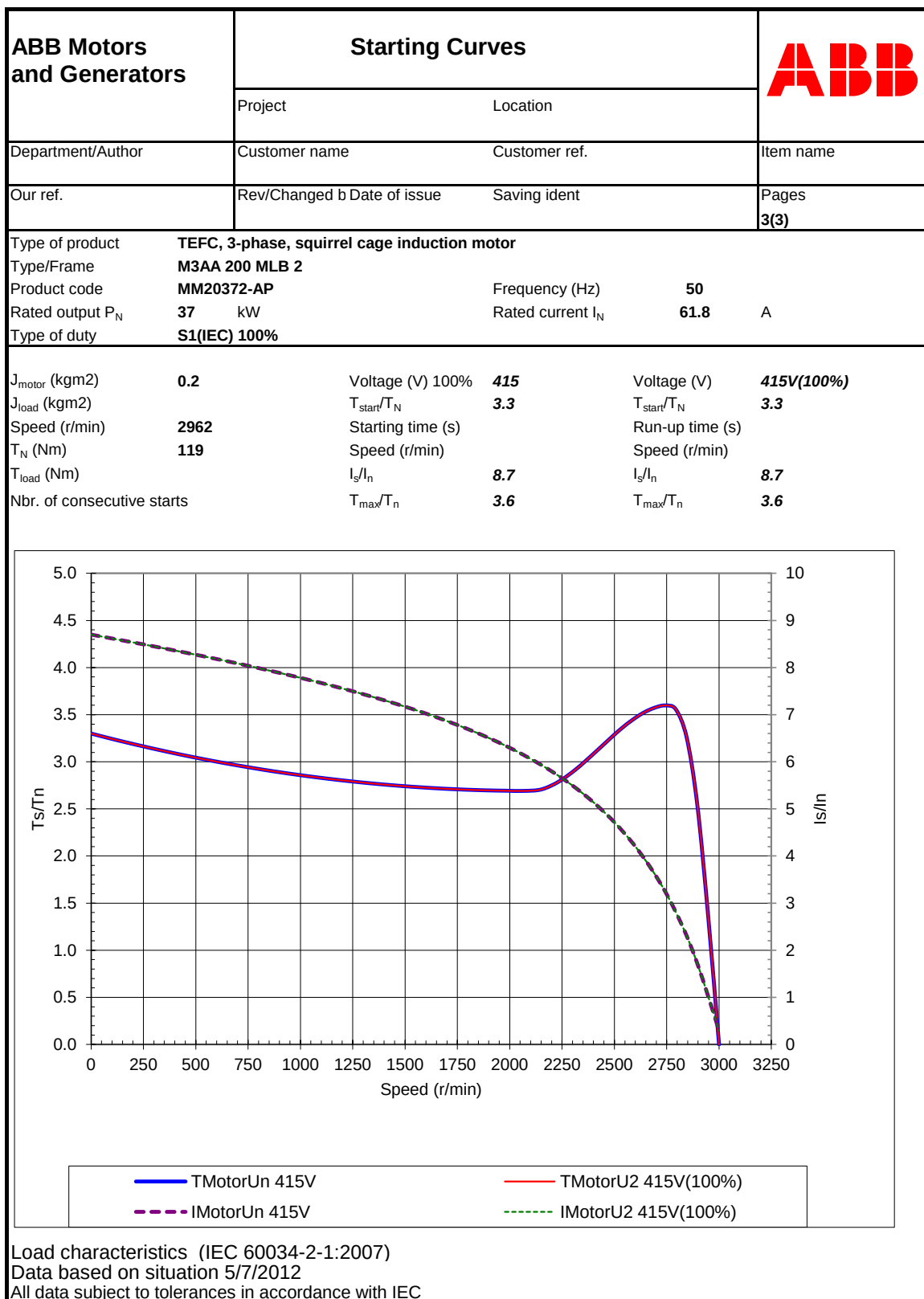


ABB Motors and Generators		Technical Data Sheet - DOL				
		Project		Location		
Department/Author		Customer name		Customer ref.		Item name
Our ref.		Rev/Changed by	Date of issue	Saving ident		Pages 1(3)

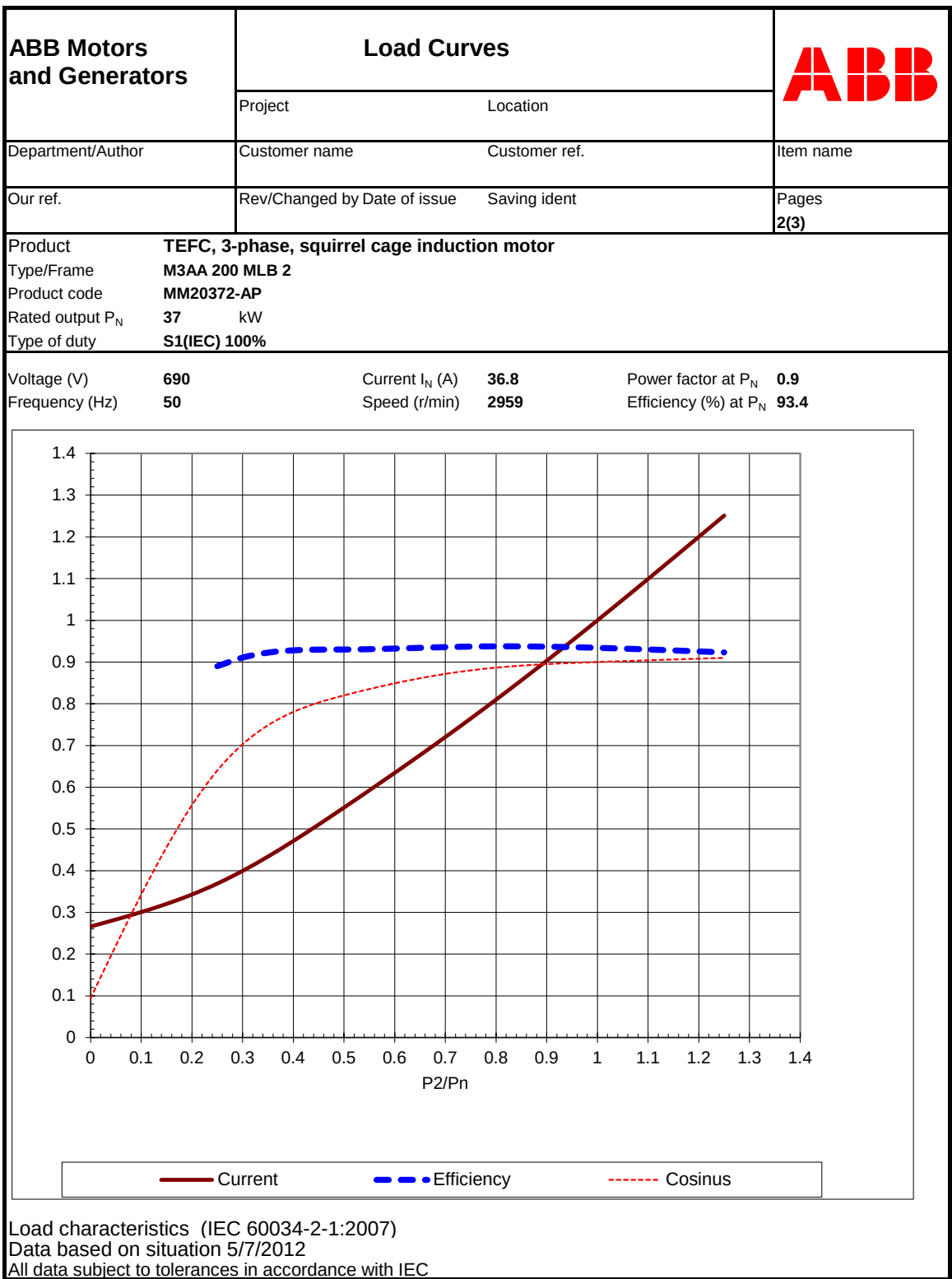
No.	Definition	Data	Unit	Remarks		
1	Product	TEFC, 3-phase, squirrel cage induction motor				
2	Product code	MM20372-AP (3GAA201036-ADG+332+333)				
3	Type/Frame	M3AA 200 MLB 2				
4	Mounting	IM1001, B3(foot)				
5	Rated output P _N	37	kW			
6	Service factor	1				
7	Type of duty	S1(IEC) 100%				
8	Rated 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	2959	r/min			
11	Rated current I _N	36.8	A			
12	No-load current	9.8	A			
13	Starting current I _s /I _N	8.2		Fullfilled IEC 60034-12 design N,H		
14	Nominal torque T _N	119	Nm			
15	Locked rotor torque T _S /T _N	3				
16	Maximum torque T _{max} /T _N	3.3				
17	Minimum torque T _{min} /T _N	2.5				
18	Speed at minimum torque	2100	r/min			
19	Load characteristics (IEC 60034-2-1:2007)	Load %	Current A	Efficiency %	Power factor	
20	PLL determined from residual loss	100	36.8	93.4 / IE2	0.9	
21		75	28.1	93.7	0.88	
22		50	20.2	93	0.82	
23		Start	302		0.4	
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	6312-2Z/C3 - 6210-2Z/C3				
32	Type of Grease	Greased for life				
33	Sound pressure level (LP dB(A) 1m)	72	dB(A)	at load		
34	Moment of inertia J = ¼ GD2	0.196	kg-m2			
35	Balancing	Half Key				
36	Vibration class	Grade A				
37	Position of terminal box	Top				
38	Terminal box entries; no, dimens.	2xM40 + 1xM16				
39	Number of power terminals	6				
40	Direction of rotation	CW or CCW				
41	Total weight of motor	225	kg			
42						

Variant Codes / Definition

332 = Baldor catalog number
333 = Not for use in the USA

Remarks:

Data based on situation 5/7/2012
All data subject to tolerances in accordance with IEC
Guaranteed values on request



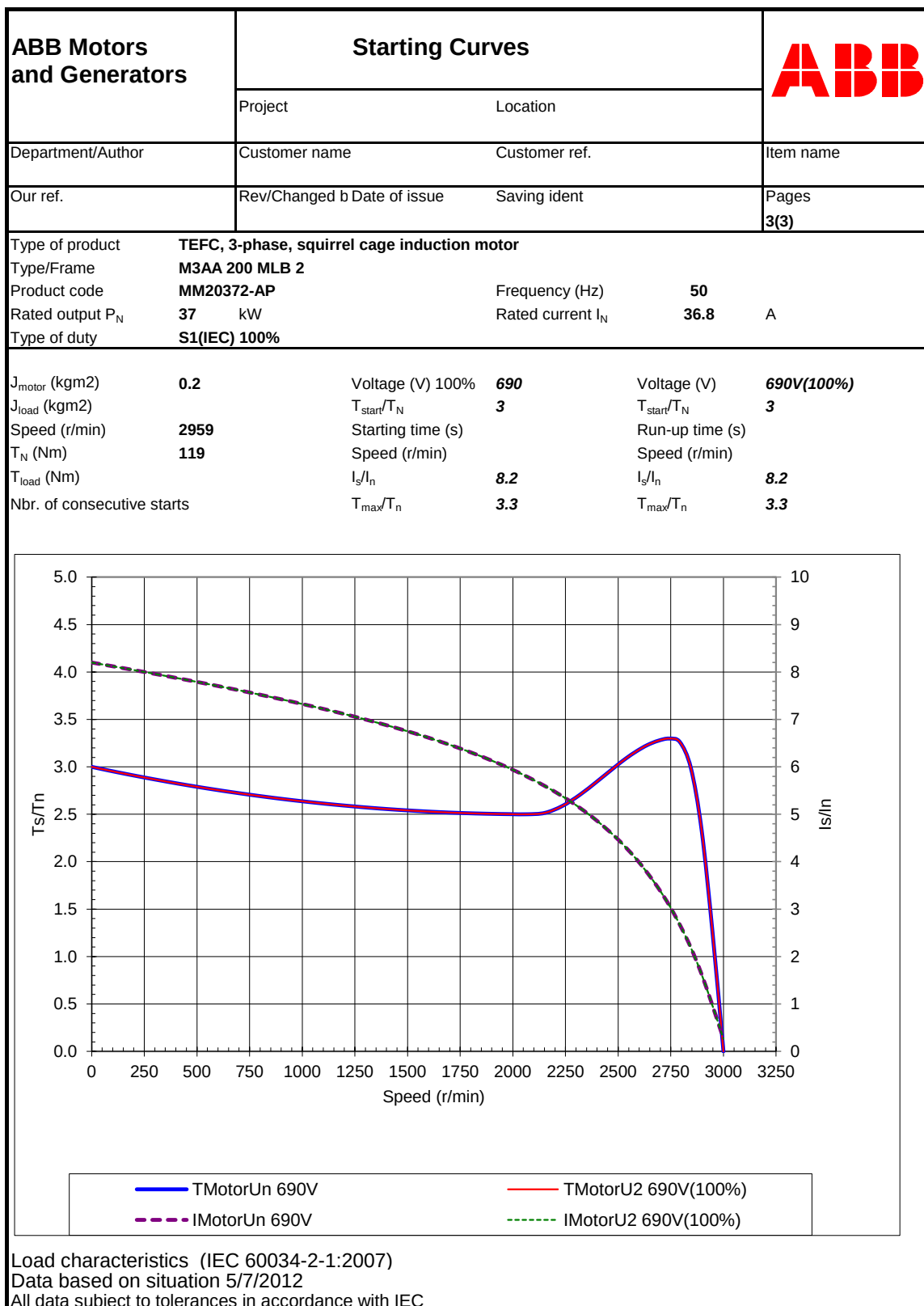


ABB Motors and Generators		Technical Data Sheet - DOL			
		Project _____		Location _____	
Department/Author _____		Customer name _____		Customer ref. _____	
Our ref. _____		Rev/Changed by _____		Date of issue _____	
				Saving ident _____	
				Pages 1(3)	

No.	Definition	Data	Unit	Remarks
1	Product	TEFC, 3-phase, squirrel cage induction motor		
2	Product code	MM20372-AP (3GAA201036-ADG+332+333)		
3	Type/Frame	M3AA 200 MLB 2		
4	Mounting	IM1001, B3(foot)		
5	Rated output P _N	37	kW	
6	Service factor	1		
7	Type of duty	S1(IEC) 100%		
8	Rated voltage U _N	460	VD	± 5 % (IEC 60034-1)
9	Rated frequency f _N	60	Hz	± 2 % (IEC 60034-1)
10	Rated speed n _N	3564	r/min	
11	Rated current I _N	55.8	A	
12	No-load current	15.9	A	
13	Starting current I _s /I _N	9.2		Not within IEC 60034-12 design N,H
14	Nominal torque T _N	99	Nm	
15	Locked rotor torque T _S /T _N	3.1		
16	Maximum torque T _{max} /T _N	3.7		
17	Minimum torque T _{min} /T _N	2.6		
18	Speed at minimum torque	2520	r/min	
19	Load characteristics (IEC 60034-2-1:2007)	Load %	Current A	Efficiency %
20	PLL determined from residual loss	100	55.8	93.4 / IE3
21		75	42.9	93.2
22		50	31.6	91.7
23		Start	513	0.36
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	6312-2Z/C3 - 6210-2Z/C3		
32	Type of Grease	Greased for life		
33	Sound pressure level (LP dB(A) 1m)	80	dB(A)	at load
34	Moment of inertia J = ¼ GD2	0.196	kg-m2	
35	Balancing	Half Key		
36	Vibration class	Grade A		
37	Position of terminal box	Top		
38	Terminal box entries; no, dimens.	2xM40 + 1xM16		
39	Number of power terminals	6		
40	Direction of rotation	CW or CCW		
41	Total weight of motor	225	kg	
42				

Variant Codes / Definition

332 = Baldor catalog number
333 = Not for use in the USA

Remarks:

Data based on situation 5/7/2012
 All data subject to tolerances in accordance with IEC
 Guaranteed values on request

