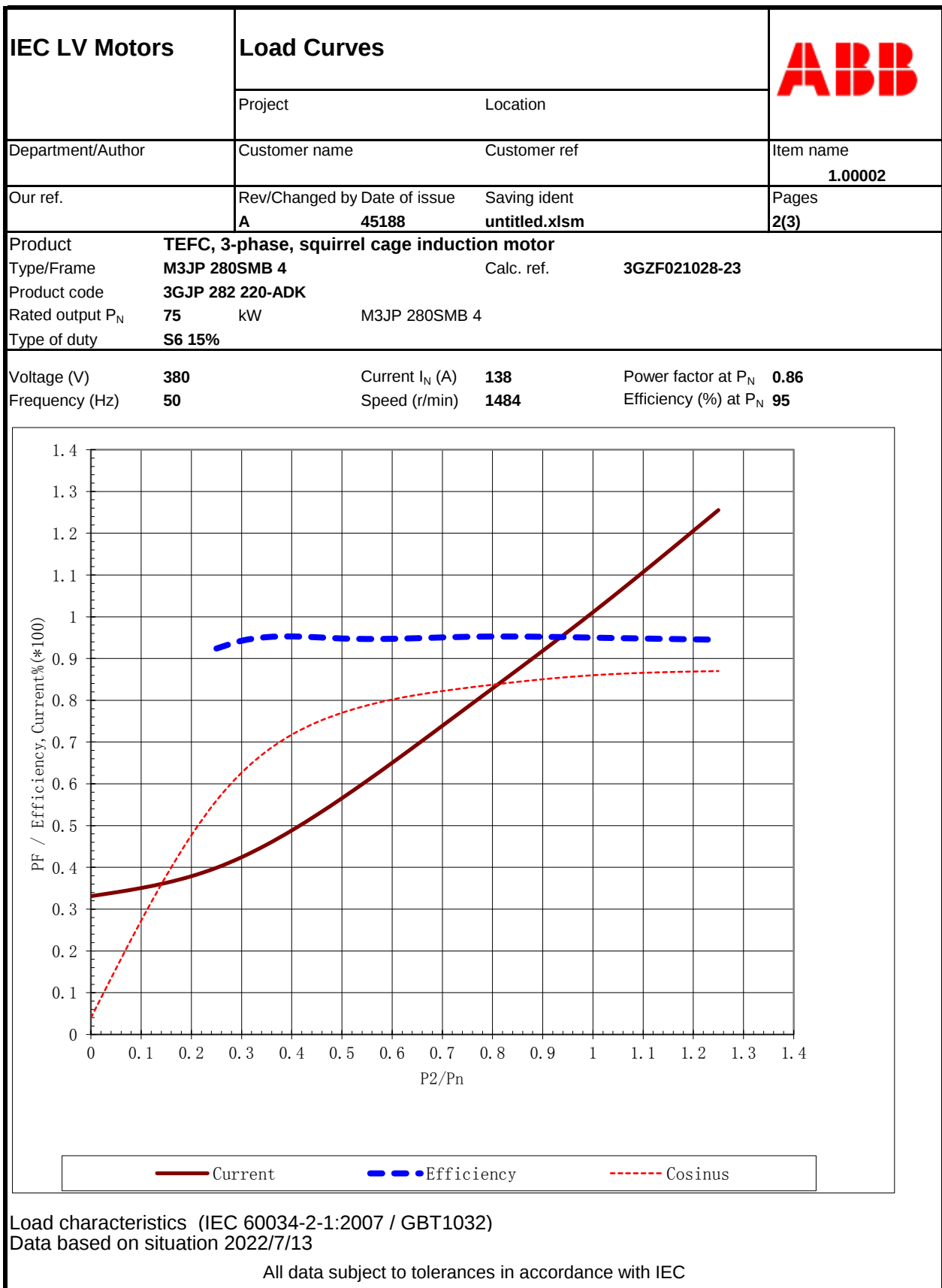
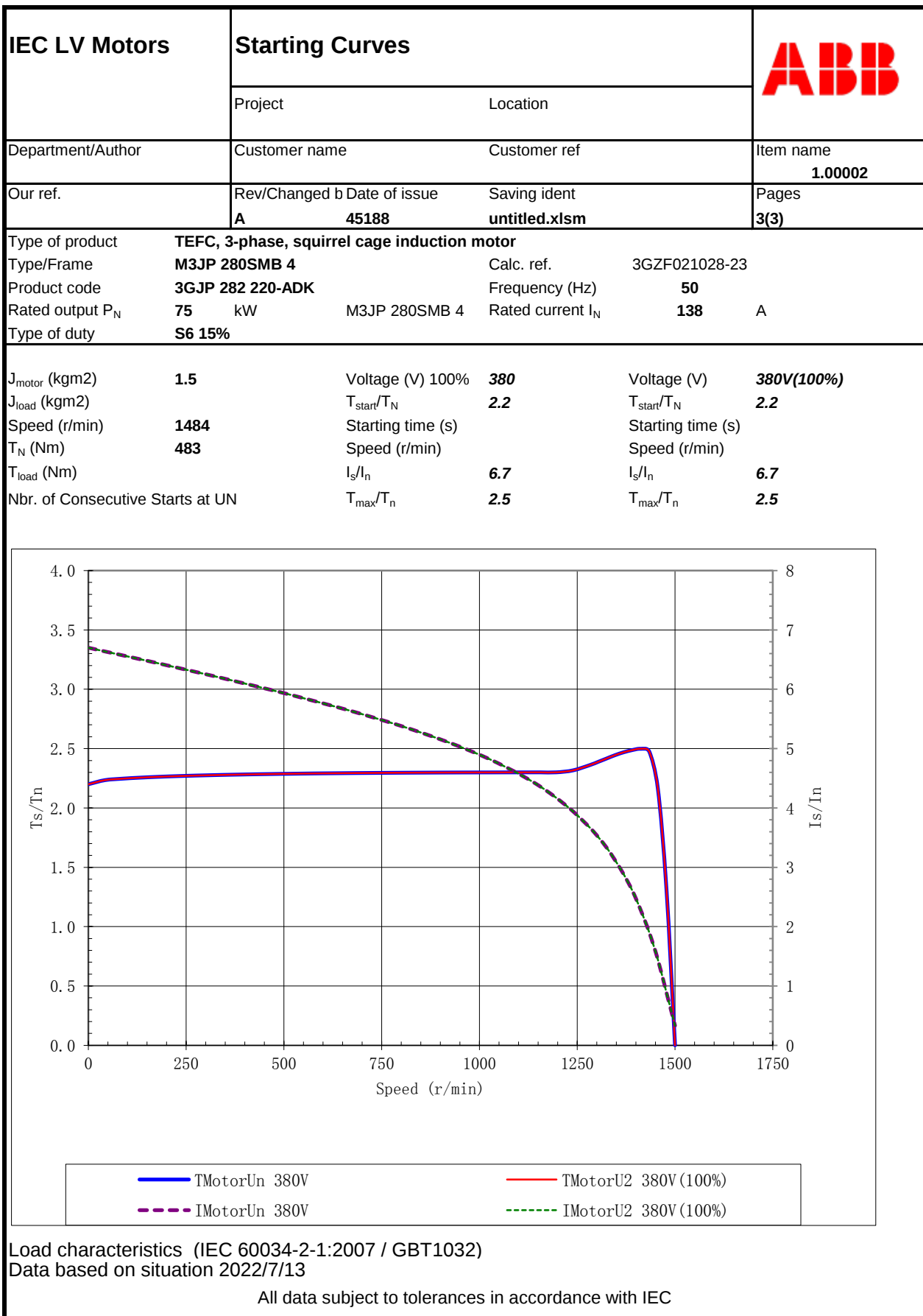
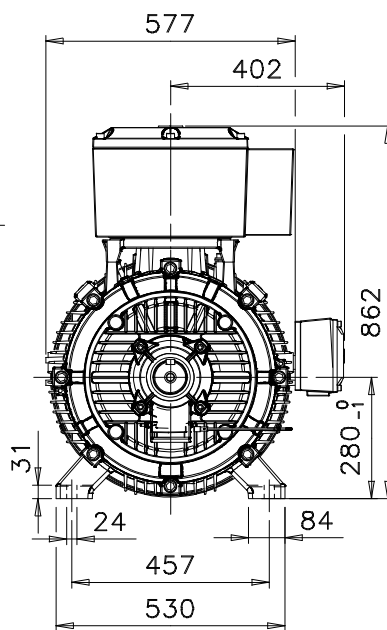
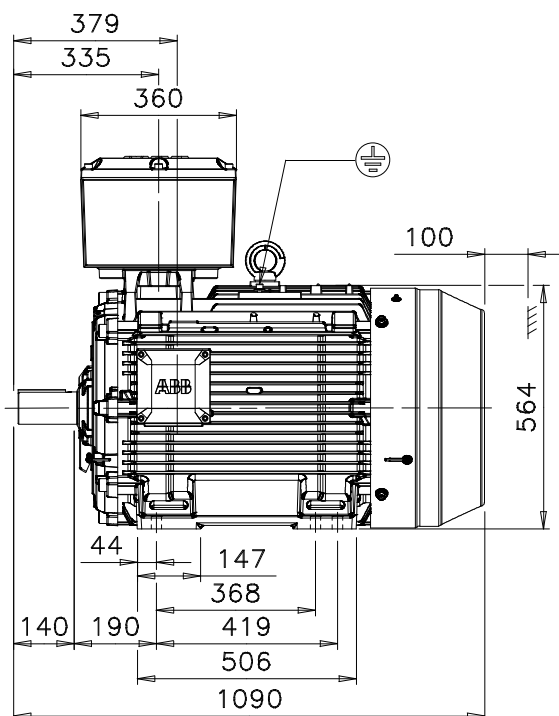
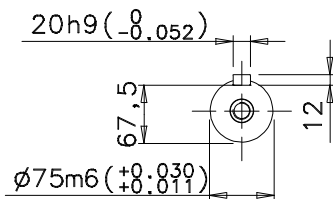
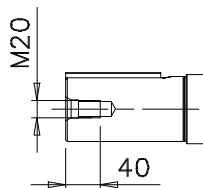


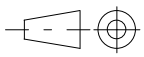
IEC LV Motors		Technical Data Sheet - DOL			
		Project		Location	
Department/Author		Customer name		Customer ref	Item name 1.00002
Our ref.		Rev/Changed by A	Date of issue 45188	Saving ident untitled.xlsm	Pages 1(3)
No.	Definition	Data	Unit	Remarks	
1	Product	TEFC, 3-phase, squirrel cage induction motor			
2	Product code	3GJP 282 220-ADK		Calc. ref.	3GZF021028-23
3	Type/Frame	M3JP 280SMB 4			
4	Mounting	IM1001, B3(foot)			
5	Rated output P _N	75	kW		
6	Service factor	1			
7	Type of duty	S9			
8	Rated voltage U _N	380	VD	± 5 % (IEC 60034-1)	
9	Rated frequency f _N	50	Hz	± 2 % (IEC 60034-1)	
10	Rated speed n _N	1484	r/min		
11	Rated current I _N	138	A		
12	No-load current	46	A		
13	Starting current I _s /I _N	6.7		Meet IEC 60034-12, N _L (H at 60 Hz)	
14	Nominal torque T _N	483	Nm		
15	Locked rotor torque T _S /T _N	2.2			
16	Maximum torque T _{max} /T _N	2.5			
17	Minimum torque T _{min} /T _N	2.2			
18	Speed at minimum torque	0	r/min		
Load characteristics (IEC 60034-2-1:2007 /		Load %	Current A	Efficiency %	Power factor
19		100	138	95.0 / IE3	0.86
20		75	108	95.2	0.83
21		50	78.1	94.8	0.77
22		Start	925		0.37
23	Maximum starting time from hot	17	s		
24	Maximum starting time from cold	31	s		
25	Insulation class / Temperature class	F / B			
26	Ambient temperature	-20 up to 40	°C		
27	Altitude	1000	m.a.s.l.		
28	Enclosure	IP55			
29	Cooling system	IC411 self ventilated			
30	Bearing DE/NDE	6316/C3 - 6316/C3			
31	Type of Grease				
32	Sound pressure level (LP dB(A) 1m)	66	dB(A)	at load	
33	Moment of inertia J = ¼ GD2	1.5	kg-m2		
34	Balancing				
35	Vibration class				
36	Position of terminal box	Top			
37	Terminal box entries; no, dimens.				
38	Number of power terminals				
39	Direction of rotation	CW or CCW			
40	Weight of rotor	151	kg		
41	Total weight of motor	766	kg		
42	Dimension drawing no.				
43	Winding insulation	Winding ins. class H			
44					
45					
Ex-motors					
46	Type of protection	ExdIICT4(ATEX)			
47	EC Type Examination No	DEMKO 20 ATEX 2248X			
48					
Option Variant Codes / Definition					
49	+ 701 Insulated bearing at N-end.				
50	+ 014 Winding insulation class H, Calc. ref. in datasheet is for std.				
51	+ 418 Separate terminal box for auxiliaries, standard material.				
52	+ 181 Rating plate with ABB standard loadability values for VSD operation.				
53	+ 148 Routine test report.				
54	+ 735 Standard cable gland, Ex d IIC, non-armoured cable.				
55	+ 436 PTC - thermistors (3 in series), 150 °C, in stator winding				
56	+ 461 Ex d(e) design, Group II C				
57					
Remarks:					
Data based on situation 2022/7/13					
All data subject to tolerances in accordance with IEC					
Guaranteed values on request					







Additional information:

Dimension Print	Motor Type: M3JP 280SM_4-12 B3,B6,B7,B8,V6	Document No: 3GZF500228-9 B 14 JP 280 A
Description: SQUIRREL CAGE MOTOR WITH AUXILIARY TERMINAL BOX.		
Unit: Motors Date: 28.08.2006	Issued by: J.Rissanen Approved by: J.Vuorinen	Replaces: Replaced by:
ABB Oy	Customer Reference:	ABB