SECTION 4

Motor Information for Stripper Feed Pump A/B

00GNB35AP101
00GNB36AP101

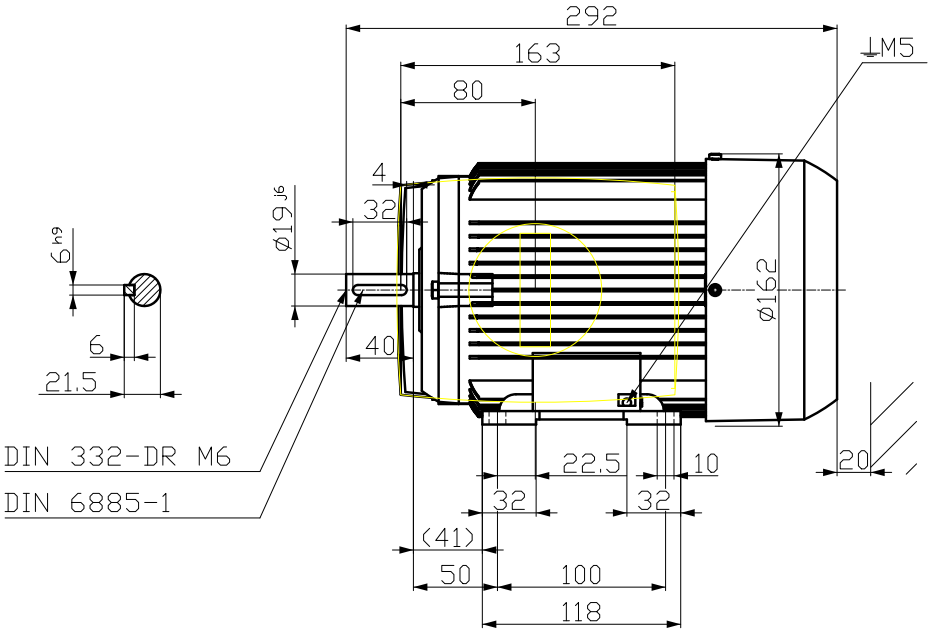
Motor Data sheets

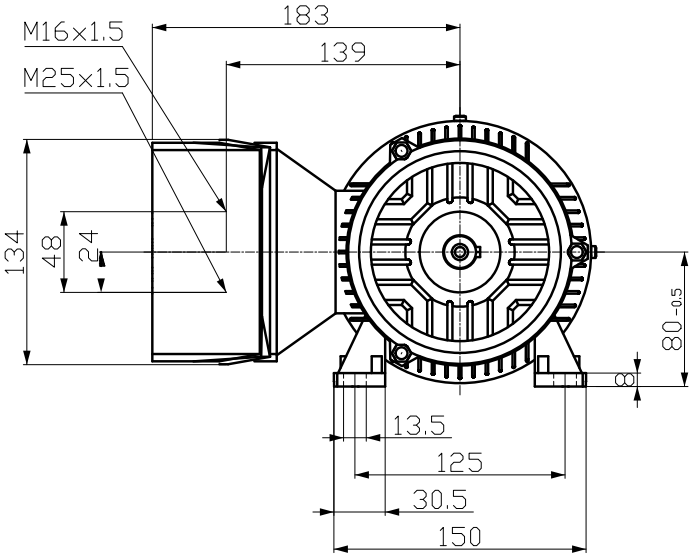
1. Name of motor	-	STRIPPER FEED PUMP MOTORS
2. Manufacturer	-	SIEMENS
3. Country of origin	-	EUROPE / CHINA
4. Type/machine code	-	SQUIRREL CAGE INDUCTION
5. Applied standard (characteristics)	-	IEC 60034-1
6. Ratings		
(1) Rated output	kW	1.1
(2) Service factor	-	1
(3) Number of pole	-	2
(4) Rated speed	min^{-1}	2835
(5) Rated voltage	V	380
(6) Number of phases	-	3
(7) Rated frequency	Hz	50
(8) Insulation class	-	F
(9) Temperature rise	-	B
(10) Rated duty	-	S1
7. Service Conditions		
(1) Starting method	-	DOL
(2) Direction of rotation (viewed from DE)	-	CW
(3) Reverse rotation (Yes / No)	-	NO
(4) Location (Indoor / Outdoor)	-	OUTDOOR
(5) Enclosure IP rating		
(a) Motor frame	-	IP55
(b) Terminal boxes	-	IP55
(6) Installation (Horizontal / Vertical)	-	HORIZONTAL
(7) Design ambient temperature	ºC	-20 to 40
(8) Explosion proof (Required / Not required)	-	NOT REQUIRED
(9) Noise level (at full-load condition)	dB (A)	64
8. Characteristics		
(1) Current		
(a) Normal current	A	2.73
(b) No-load current	A	
(c) Starting current	A	<650% rated current

(2) Torque		
(a) Starting torque	%	270
(b) Maximum torque	%	310
(3) Slip at rated output		0.055
(4) Efficiencies		
(a) At 100% load	%	79.6
(b) At 75% load	%	81.3
(c) At 50% load	%	80.9
(d) At 25% load	%	-
(5) Power factor		
(a) At rated load	%	77
(b) At starting load	%	
(6) GD2 coupled with driven equipment	kg-m^2	0.0011
(7) Starting time with driven equipment	s	< 5
(8) Consecutive number of starts		
(a) From cold condition per hour	-	3
(b) From hot condition per hour	-	2
(c) Minimum time between 2 starts (running state)	min	
(d) Minimum time between 2 starts (stop state)	min	
(9) Allowable locked-rotor time		
(a) At cold condition	s	
(b) At hot condition	s	
9. Constructions		
(1) Stator winding connection (Wye / Delta)	-	DELTA
(2) Type of bearing (DE / NDE)	-	6204 2Z C3 / 6204 2Z C3
(3) Lubricants		
(a) Recommended lubricant and brand name	-	ESSO UNIREX N3
(b) Pouring method	-	GREASE GUN
(c) Quantity of lubricant for initial filling	-	40g (DE) / 40g (NDE)
(d) Recommended interval for recharging	-	8000 HOURS
(e) Recharging quantity	-	10g (DE) / 10g (NDE)
(f) Location of pouring (indicated in the outline drawing)	-	GREASE NIPPLE
(4) Bearing cooling water requirement (if required)		NOT REQUIRED
(a) Quantity	m^3/h	-
(b) Inlet water temperature	ºC	-
(c) Required cooling water pressure	kPa	-
(d) Type of cooling water	-	-

(5) Water to air heat exchanger (if applied)	m^3/h	NOT APPLIED
(a) Quantity of cooling water	°C	-
(b) Inlet water temperature	kPa	-
(c) Required cooling water pressure	-	-
(d) Type of cooling water	-	-
(6) Space heater (AC 220V 1 phase)	W	NOT APPLICABLE
(7) Weight	kg	18
10. Attached document numbers		SEE PAGE 32 TO 36
(1) Motor outline drawing	-	
(2) Terminal box drawings		
(a) For main power	-	
(b) For instruments	-	
(c) For space heater	-	
(3) Current transformers (for MV motors only)		
(a) Characteristics curves	-	
(b) Outline drawing	-	
(4) Efficiency curves	-	
(5) Thermal capability curves		
(a) At cold condition	-	
(b) At hot condition	-	
(6) Starting and speed torque characteristics at 80%, 90% and 100% voltage	-	

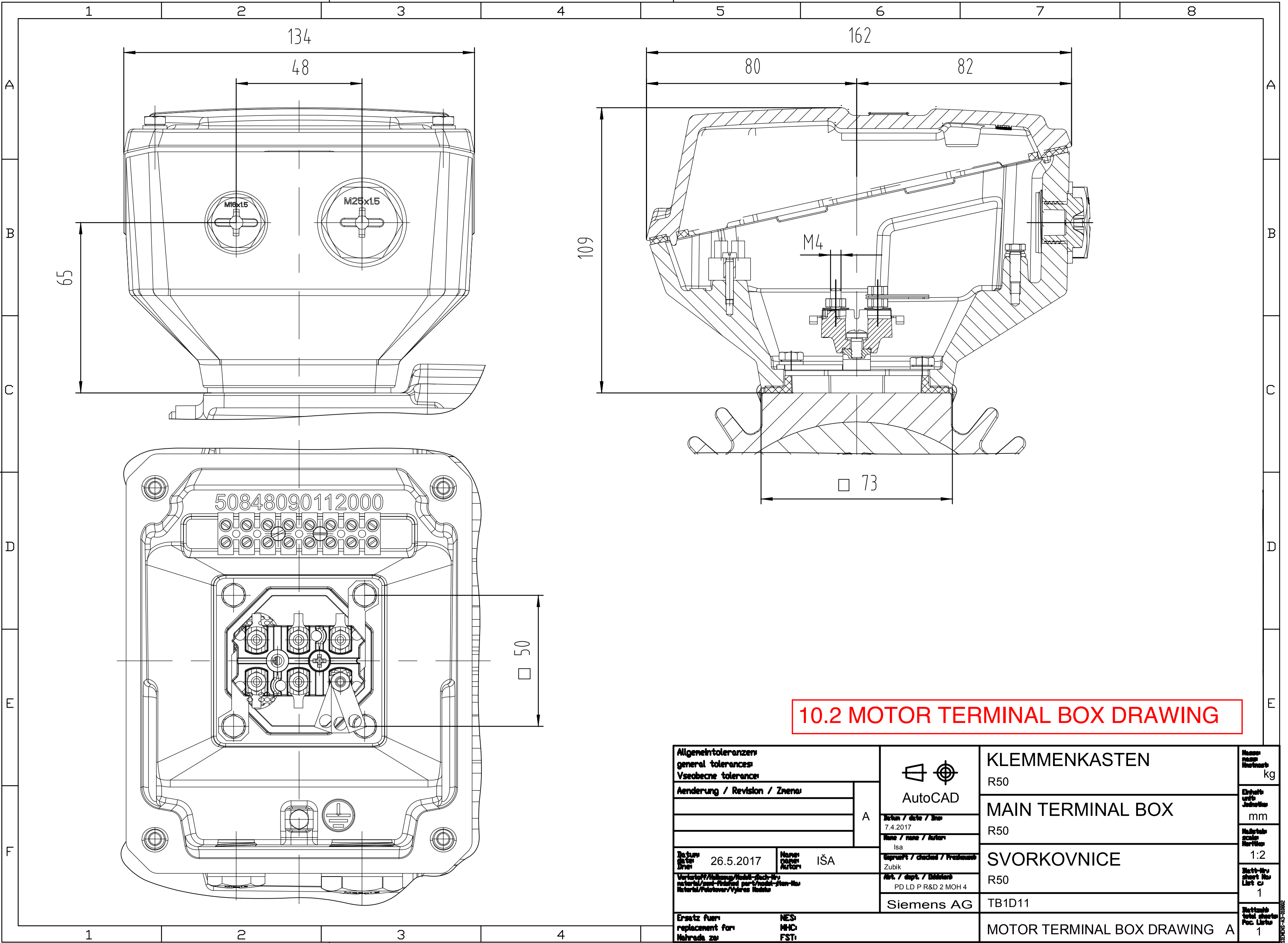
10.1 MOTOR OUTLINE DRAWING

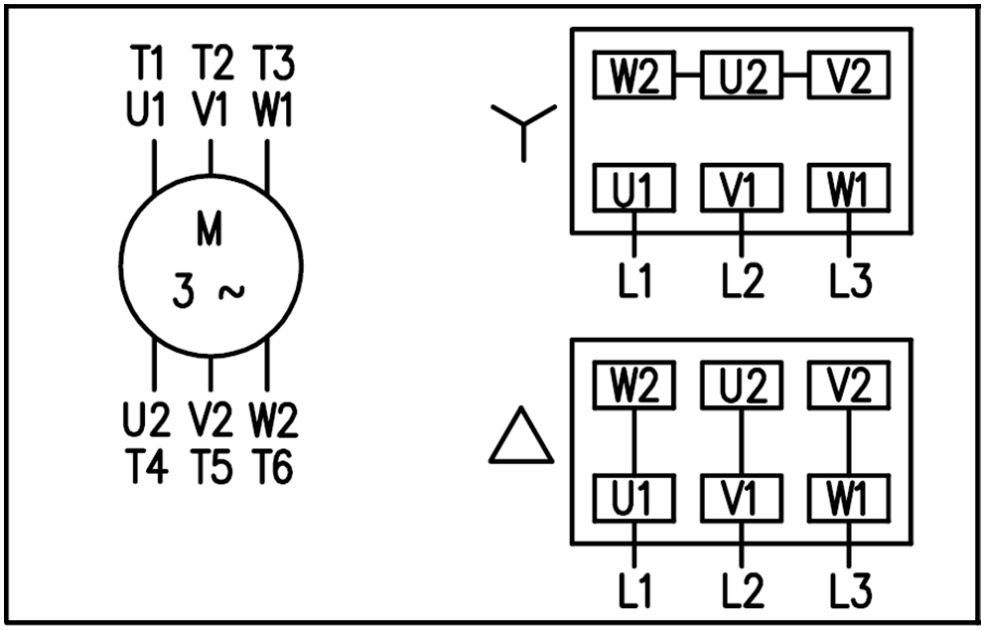




Tolerance	Surface	Material	Weight: -	Scale: mm
1LE1501-0DA32-1AA6-Z B92+N30+R11+R50	Author Creator: DTK Approval Department	Dimensional drawing Maßzeichnung		
SIEMENS	Change Order Doc State: 19/01/18 Revision / Index / RS	MLFB Item No Doc No	Doc Type: / Paper Size: A3 1st Language: en 2nd Language: de	
© Siemens AG 2016	Project No: -	Ref No: -	Sheet: 1 of 1	

10.2 MOTOR TERMINAL BOX DRAWING





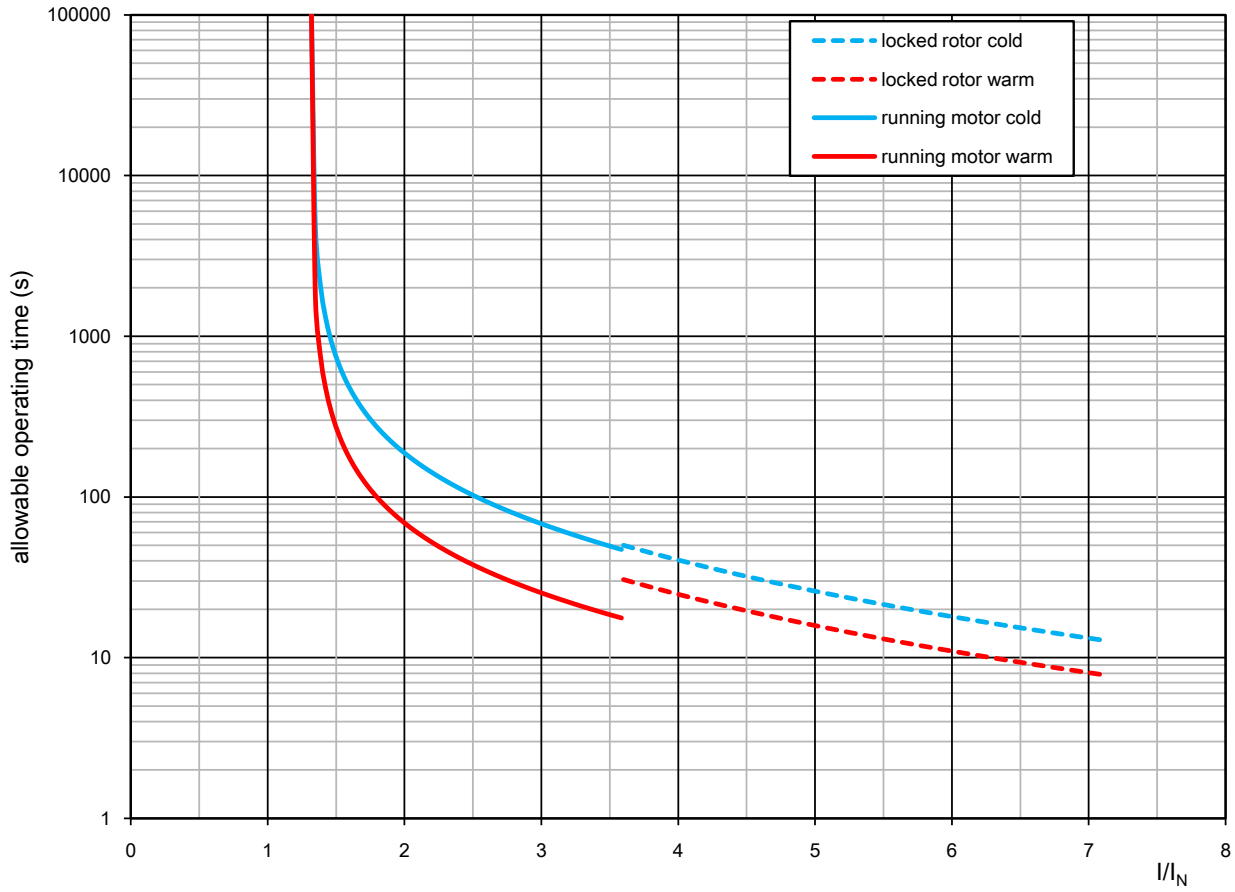
Verantwortliche Abt.	Technische Referenz	Erstellt von	Genehmigt von	Projekt			
PD LD P R&D		DTK					
SIEMENS	Dokumenttyp: Circuit diagram		Dokumentstatus: released		Kunde		
	Titel: Circuit diagram main		Dokumentnummer: 53258100600000_000				
			Rev.	Erstelldatum	Sprache	Blatt	
© Siemens AG 2017			AA	20.05.2017	en	1/1	

Operating and Installation Data

10.5 MOTOR THERMAL CAPACITY CURVE

Rated-					
-power	P_N	1,1 kW	Connection	D/Y
-voltage	U_N	220/380 V	Class of rating	S1
-frequency	f_N	50 Hz	Absolute altitude	<1000 m ab.s.l.
-current	I_N	4,35/2,55 A	Coolant temperature	40 °C
-speed	n_N	2835 1/min	Therm. class (designed/util.)	155 (F) / 130 (B)
-torque	M_N	3,7 Nm		
Power factor	cosφ	0,83		

Standard: IEC/EN 60034-1
Tolerances: IEC/EN 60034-1



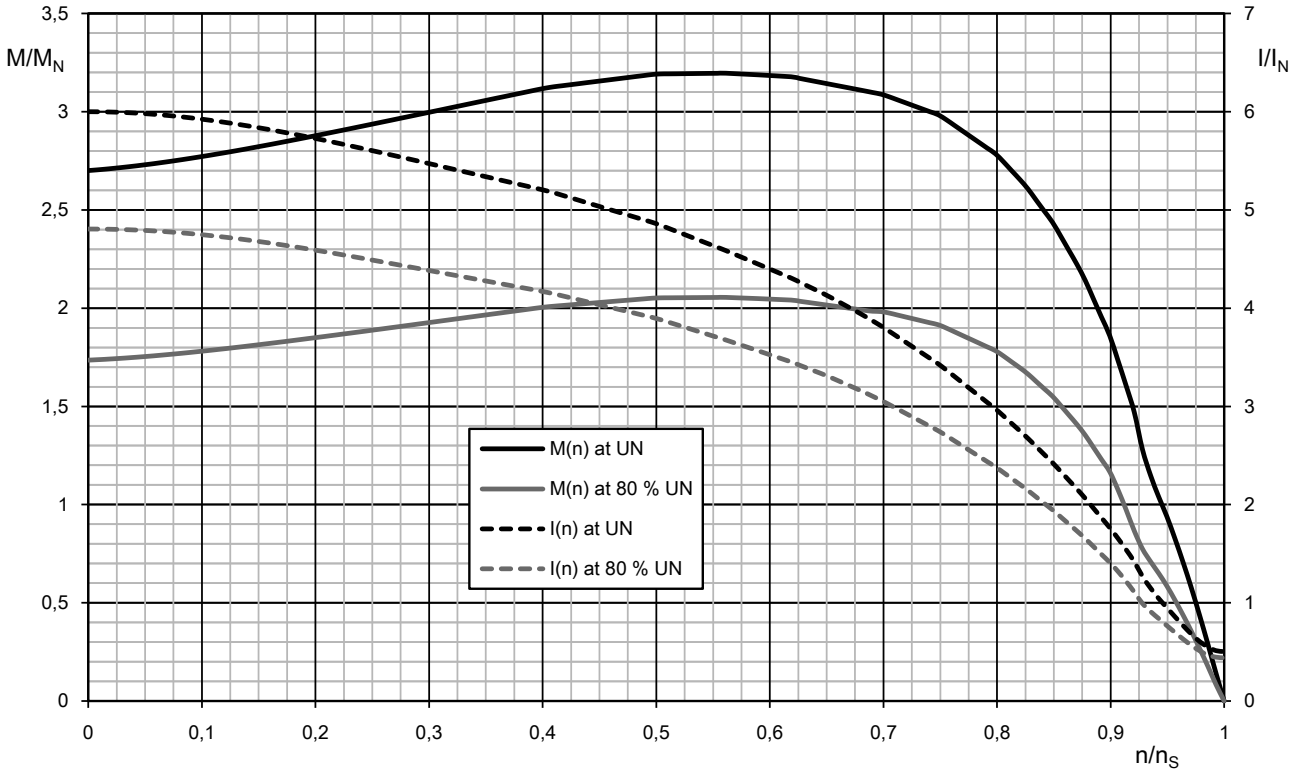
Responsible dept.	Technical reference	Created by	Approved by	Project	
PD LD P R&D 2 MOH 1	TRA 313002	ROHLEDER,LUKÁŠ	ROHLEDER,L		
SIEMENS	Document type: Thermal Limit Curve		Document state: released	Customer	
	Title: 3~ Asynchronous motor with Squirrel Cage Rotor		Document no.		
unrestricted	1LE1501-0DA32-1AA6-Z		Rev.	Date of issue	Language / Sheet
© SIEMENS AG 2018	2019329/7			2018-01-19	en / 1/1

Operating and Installation Data

10.6 MOTOR STARTING AND SPEED TORQUE CHARACTERISTIC

Rated-					
-power	P_N	1,1 kW	Connection		D/Y
-voltage	U_N	220/380 V	Class of rating		S1
-frequency	f_N	50 Hz	Absolute altitude		<1000 m ab.s.l.
-current	I_N	4,35/2,55 A	Coolant temperature		40 °C
-speed	n_N	2835 1/min	Therm. class (designed/util.)		155 (F) / 130 (B)
-torque	M_N	3,7 Nm			
Power factor	cosφ	0,83			

Standard: IEC/EN 60034-1
Tolerances: IEC/EN 60034-1



Responsible dept.	Technical reference	Created by	Approved by	Project	
PD LD P R&D 2 MOH 1	TRA 313002	ROHLEDER,LUKÁŠ	ROHLEDER,L		
SIEMENS	Document type: Starting Data M=f(n), I=f(n)		Document state: released	Customer	
	Title: 3~ Asynchronous motor with Squirrel Cage Rotor		Document no.		
unrestricted	1LE1501-0DA32-1AA6-Z		Rev.	Date of issue	Language / Sheet
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