

PRODUCT INFORMATION PACKET



Model No: 6RN132S02E30U461081

Catalog No: 6RN132S02E30U46@1081

5.50 kW General Purpose Low Voltage IEC Motor IE3, 3 phase, 3000 rpm, D400/Y690V 50Hz,
132S Frame B3, IC411



Regal and Rotor nl are trademarks of Regal Rexnord Corporation or one of its affiliated companies.
©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E





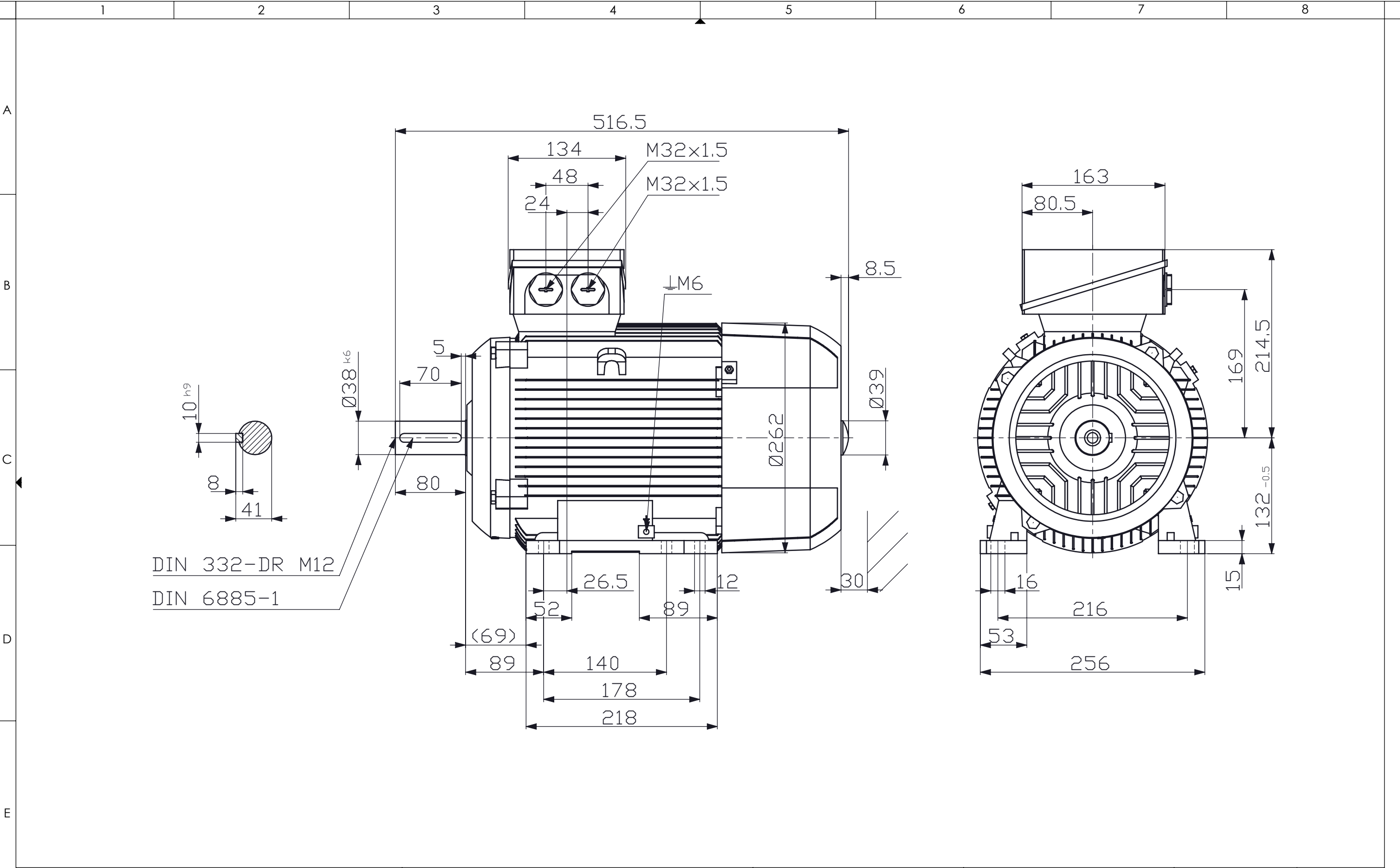
Nameplate Specifications

Output HP	7.5 Hp	Output KW	5.5 kW
Frequency	50 Hz	Voltage	D400/Y690 V
Current	9.90 A	Speed	2950 rpm
Service Factor	1	Phase	3
Efficiency	89.2 %	Power Factor	0.90
Duty	S1	Insulation Class	F
Frame	132S	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6308-2Z/C3WT (-40°C/+160°C)	Opp Drive End Bearing Size	6308-2Z/C3WT (-40°C/+160°C)
UL	No	CSA	Optional
CE	Yes	IP Code	IP55
Number of Speeds	1	Efficiency Class	IE3

Technical Specifications

Electrical Type	Squirrel Cage	Starting Method	Direct On Line
Poles	2	Rotation	Clockwise Shaft End
Mounting	B3	Motor Orientation	Any
Frame Material	Cast iron	Shaft Type	Keyed
Shaft Diameter	38 mm	Shaft Extension	80 mm
Outline Drawing	6RN132S02E30U461081		

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:01/19/2023



REVISION					REGAL rotor	Mors 2, P.O.box 45 7150 AA Eibergen nl Tel:+31(0)545 464640 E-mail: info@rotor.nl	MOTORTYPE: 6RN132S02E30 MOUNTING: IM1041 PROTECTION: COOLING: IC411 REMARKS:		TITLE: Outline drawing SPECIAL: ART. NR.: REVISION:		DRAWN: CHECKED: COMPLETE OR PARTIAL COPYING OR USE OF SPECIFICATIONS IS NOT ALLOWED WITHOUT OUR PERMISSION. SUBJECT TO ALTERATIONS		DATE:
ZONE	REV.	BESCHREIBUNG	DATUM	GENEHMIGT									
							DIMENSIONS: MM	SCALE: 1: 4	PAPER SIZE: A3	PAGE 1 OF 1			

Datasheet

rotor nl®

rotor B.V.

Mors 1-5, 7151 MX Eibergen NL
 www.rotor.nl tel.: +31 545 464640
 sales@rotor.nl tel.: +31 545 464646

Model No. 2-Pole cage motor 6RN 132S 5,5kW D400V 50Hz IM1081

U (V)	Δ / Y Conn	f [Hz]	P [kW]	P [hp]	I [A]	n [RPM]	T [Nm]	IE Class	% EFF at __ load			PF at __load			I _A /I _N [pu]	T _A /T _N [pu]	T _K /T _N [pu]
									FL	3/4FL	1/2FL	FL	3/4FL	1/2FL			
400	D	50	5,5	7 1/3	9,9	2950	18	IE3	89,2	89,2	88,2	0,90	0,88	0,83	7,97	1,90	3,70
690	Y				5,7												
460	D	60	6,3	8,445	9,7	3545	17	IE3	89,5	89,5	88,5	0,90			7,30	1,90	3,70

Motor type	6RN132S02E30
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	132S
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	5,5 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. B (80K)
Temperature rise winding	47 K
Temperature rise surface	
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Degree of protection	IP55
Mounting type	IM1081
Cooling method	IC411
Motor weight - approx.	59 kg
Gross weight - approx.	61 kg
Motor inertia	0,0240 kgm ²
Vibration level	according IEC60034-14
Noise level (pressure) acc 60034-9	68 dB(A)

Direction of rotation cw / ccw

Rotor type	Cage motor
Bearing type	6308-2Z/C3WT

Type of grease Unirex N3

Phase resistance at 20°C	0,9516 Ohm
Country of origin	CZ

Voltage/Freq	Locked rotor Torque [% nom]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 400V 50Hz	190%	796%	150%	370%	3,33 A
@ D 460V 60Hz	190%	729%		370%	3,08 A

NOTE

All performance values at rated voltage and frequency.

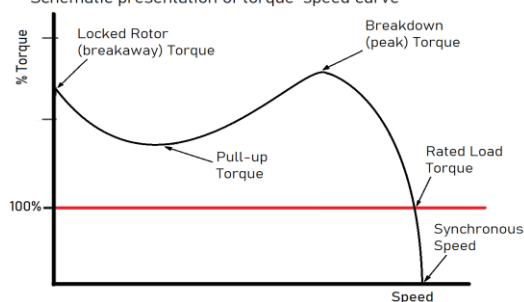
All performance parameters are subjected to standard tolerance as per IEC 60034-1

Voltage, Frequency are as per IEC60034-1

Technical data are subject to change. There may be discrepancies between calculated and name plate values.

Efficiency	Europe	Global IEC
Standards	EN-IEC: 60034-30	IEC: 60034-30

Schematic presentation of torque-speed curve



rotor
is a
ISO 9001
certified
company

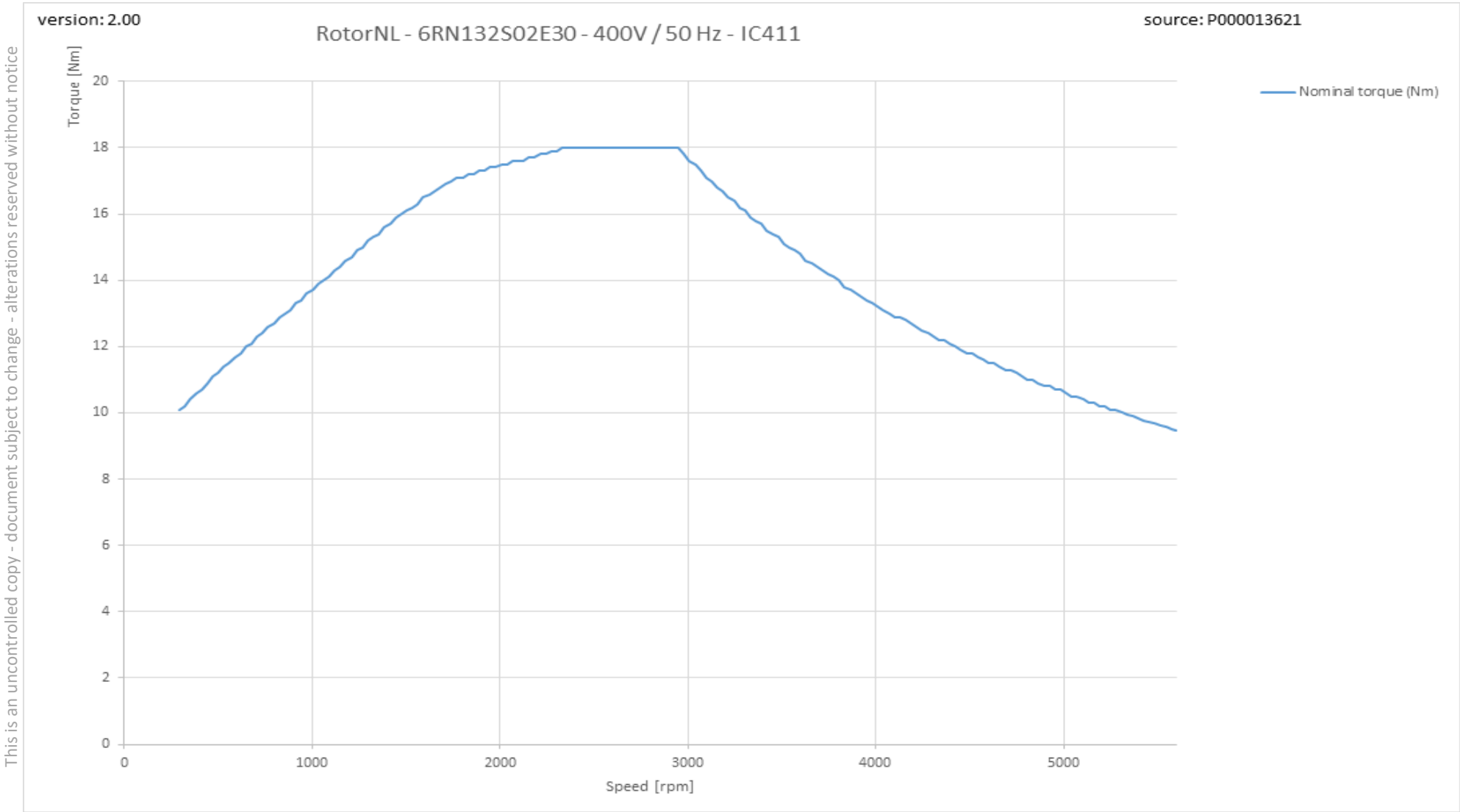
This is an uncontrolled copy, data can be changed anytime.

RegalRexnord

6RN132S02E30 2-pole 5,5kW D/Y 400/690V 50Hz S1 IC411 IE3

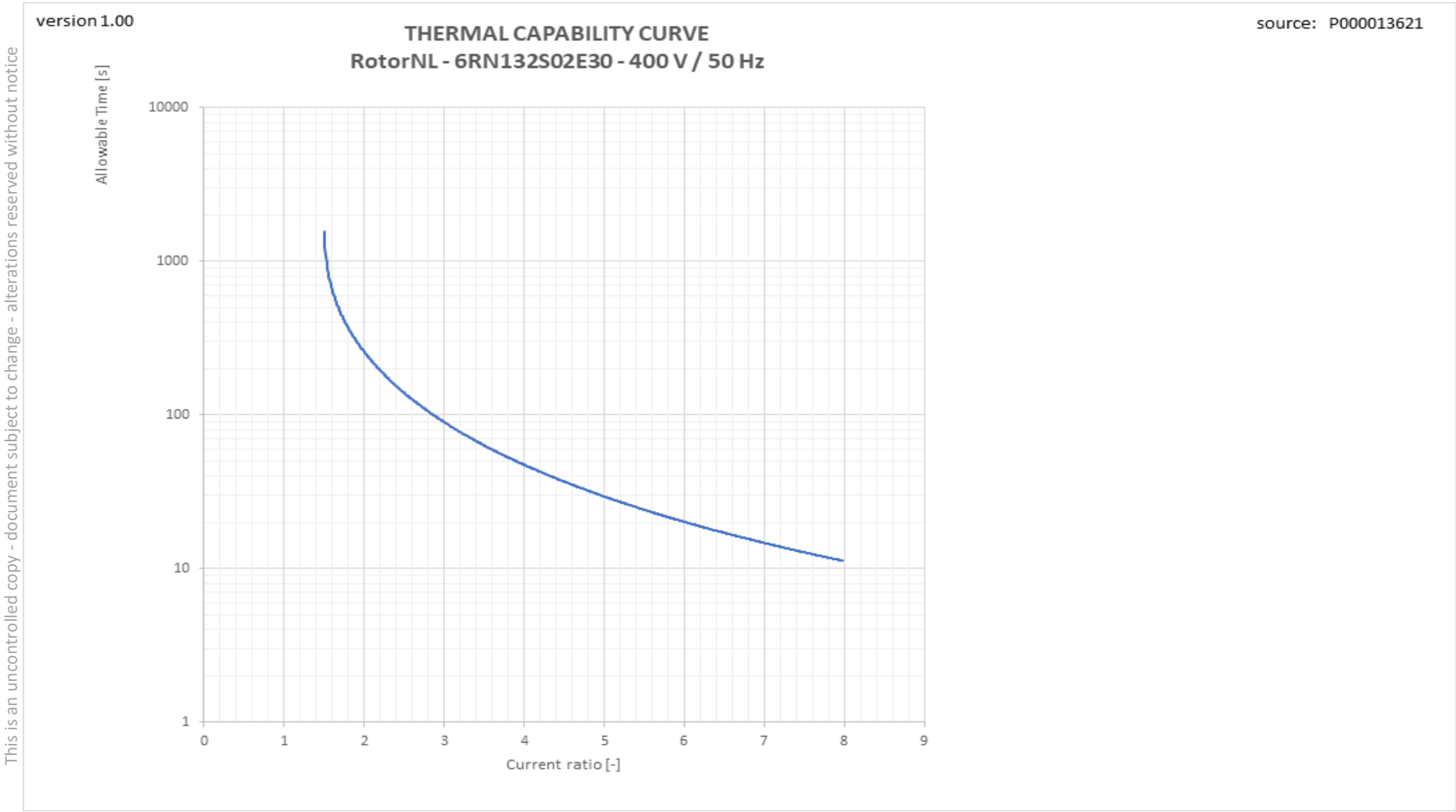


Torque versus Speed curve with variable frequency drive



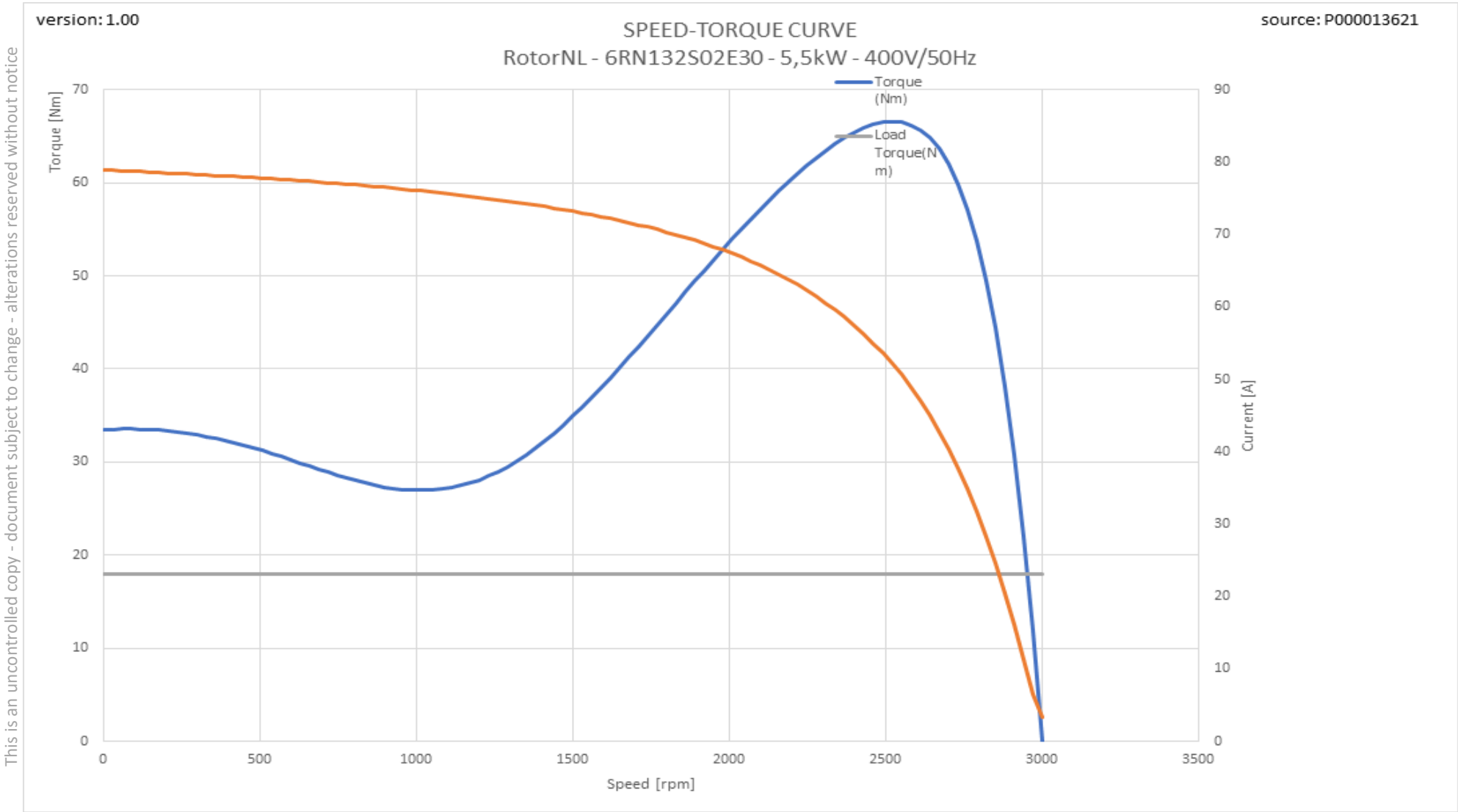
This is an uncontrolled copy - document subject to change - alterations reserved without notice

Therm_VSD graph



This is an uncontrolled copy - document subject to change - alterations reserved without notice

Tn graph



This is an uncontrolled copy - document subject to change - alterations reserved without notice