

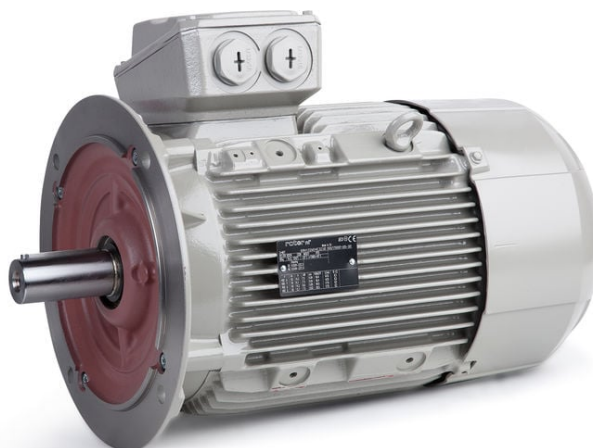
# PRODUCT INFORMATION PACKET

rotor nl<sup>®</sup>

Model No: 6RN132S04E30U243041

Catalog No: 6RN132S04E30U24@3041

5.50 kW General Purpose Low Voltage IEC Motor IE3, 3 phase, 1500 rpm, D230/Y400V 50Hz,  
132S Frame B5, 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

RegalRexnord



**Nameplate Specifications**

Output HP	7.5 Hp	Output KW	5.5 kW
Frequency	50 Hz	Voltage	D230/Y400 V
Current	18.20 A	Speed	1475 rpm
Service Factor	1	Phase	3
Efficiency	89.6 %	Power Factor	0.84
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	4	Rotation	Clockwise Shaft End
Mounting	B5	Motor Orientation	Any
Frame Material	Cast iron	Shaft Type	Keyed
Shaft Diameter	38 mm	Shaft Extension	80 mm
Outline Drawing	6RN132S04E30_3041		

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

Datasheet



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

**Model No.** 4-Pole cage motor 6RN 132S 5,5kW D230V 50Hz IM3041-FF265

U (V)	Δ / Y Conn	f [Hz]	P		I [A]	n [RPM]	T [Nm]	IE Class	% EFF at __ load			PF at __load			I <sub>A</sub> /I <sub>N</sub> [pu]	T <sub>A</sub> /T <sub>N</sub> [pu]	T <sub>R</sub> /T <sub>N</sub> [pu]
			[kW]	[hp]					FL	3/4FL	1/2FL	FL	3/4FL	1/2FL			
230	D	50	5,5	7 1/3	18,2	1475	36	IE3	89,6	89,6	88,6	0,84	0,80	0,71	8,20	2,80	3,90
400	Y				10,5												
265	D	60	6,3	8,445	18,1	1775	33,9	IE2	90,5			0,84			7,78	2,30	3,36
460	Y				10,4												

Motor type	<b>6RN132S04E30</b>
Enclosure	<b>Totally Enclosed Fan Cooling</b>
Frame Material	<b>Cast iron</b>
Frame size	<b>132S</b>
Duty	<b>S1</b>
Voltage	<b>230 V</b>
Frequency	<b>50 Hz</b>
Power output	<b>5,5 kW</b>
Insulation class	<b>F</b>
Ambient temperature	<b>-20 till 40 °C</b>
Temperature rise	<b>temp.rise acc. B (80K)</b>
Temperature rise winding	<b>47 K</b>
Temperature rise surface	
Altitude above sea level	<b>1000 mtr</b>
Hazardous area classification	<b>Safe area</b>

Rotor type	<b>Cage motor</b>
Bearing type	<b>6308-2Z/C3WT</b>

Type of grease	<b>Unirex N3</b>
----------------	------------------

Phase resistance at 20°C	<b>0,7538 Ohm</b>
Country of origin	<b>CZ</b>

Voltage/Freq	Locked rotor Torque [nom] [%]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 230V 50Hz	280%	818%	220%	390%	7,6 A
@ D 265V 60Hz	230%	773%	173%	336%	7,05 A

**NOTE**

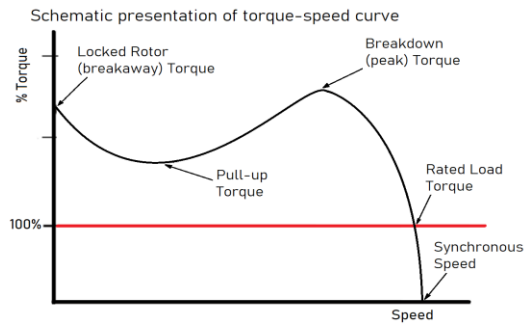
All performance values at rated voltage and frequency.  
 All performance parameters are subjected to standard tolerance as per IEC 60034-1  
 Voltage, Frequency are as per IEC60034-1  
 Technical data are subject to change. There may be discrepancies between calculated and name plate values.

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

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

Degree of protection	<b>IP55</b>
Mounting type	<b>IM3041-FF265</b>
Cooling method	<b>IC411</b>
Motor weight - approx.	<b>77 kg</b>
Gross weight - approx.	<b>79 kg</b>
Motor inertia	<b>0,0460 kgm<sup>2</sup></b>
Vibration level	<b>according IEC60034-14</b>
Noise level (pressure) acc 60034-9	<b>57 dB(A)</b>

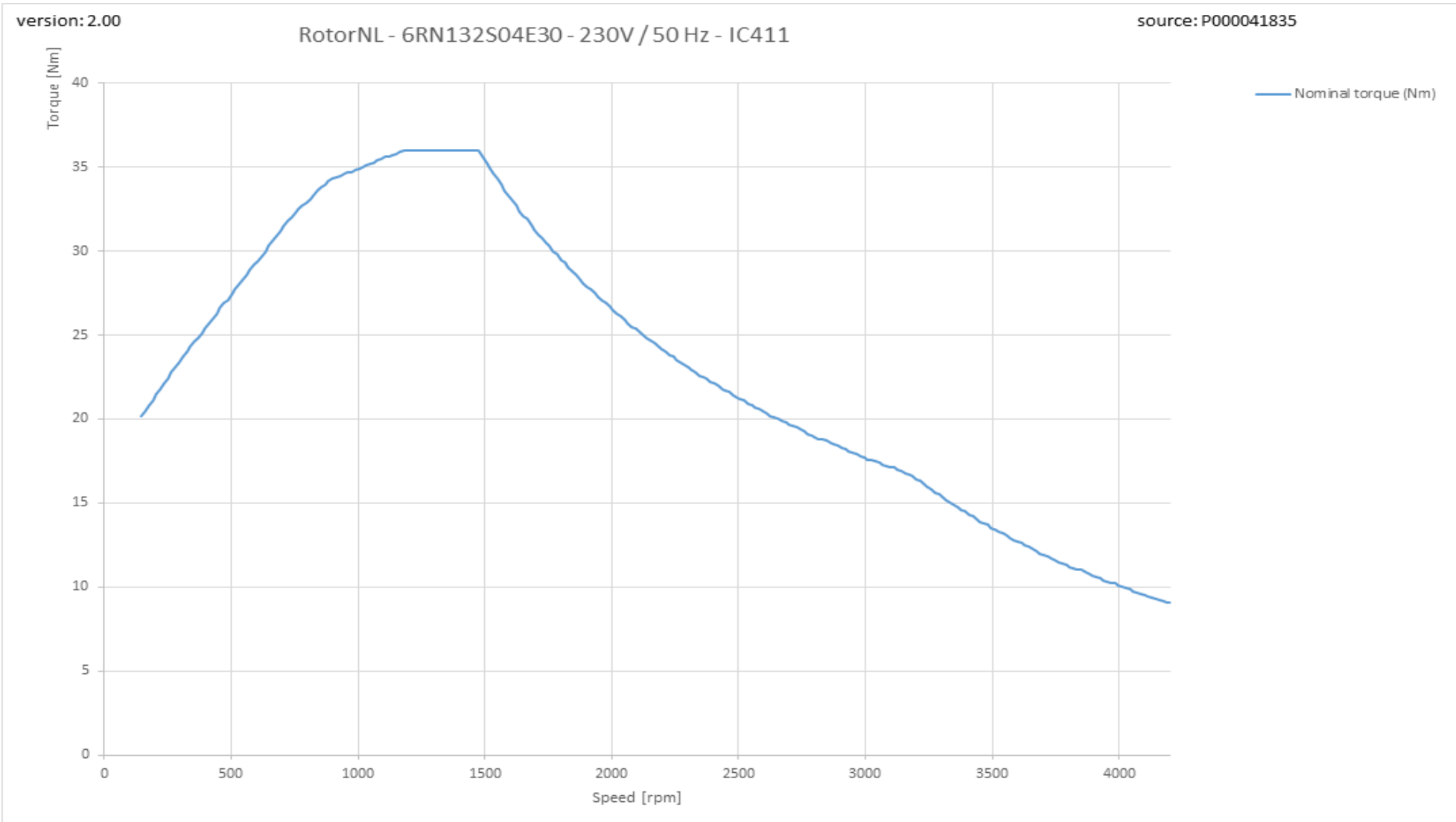
Direction of rotation	<b>cw / ccw</b>
-----------------------	-----------------



6RN132S04E30 4-pole 5,50kW D/Y 230/400V 50Hz S1 IC411 IE3



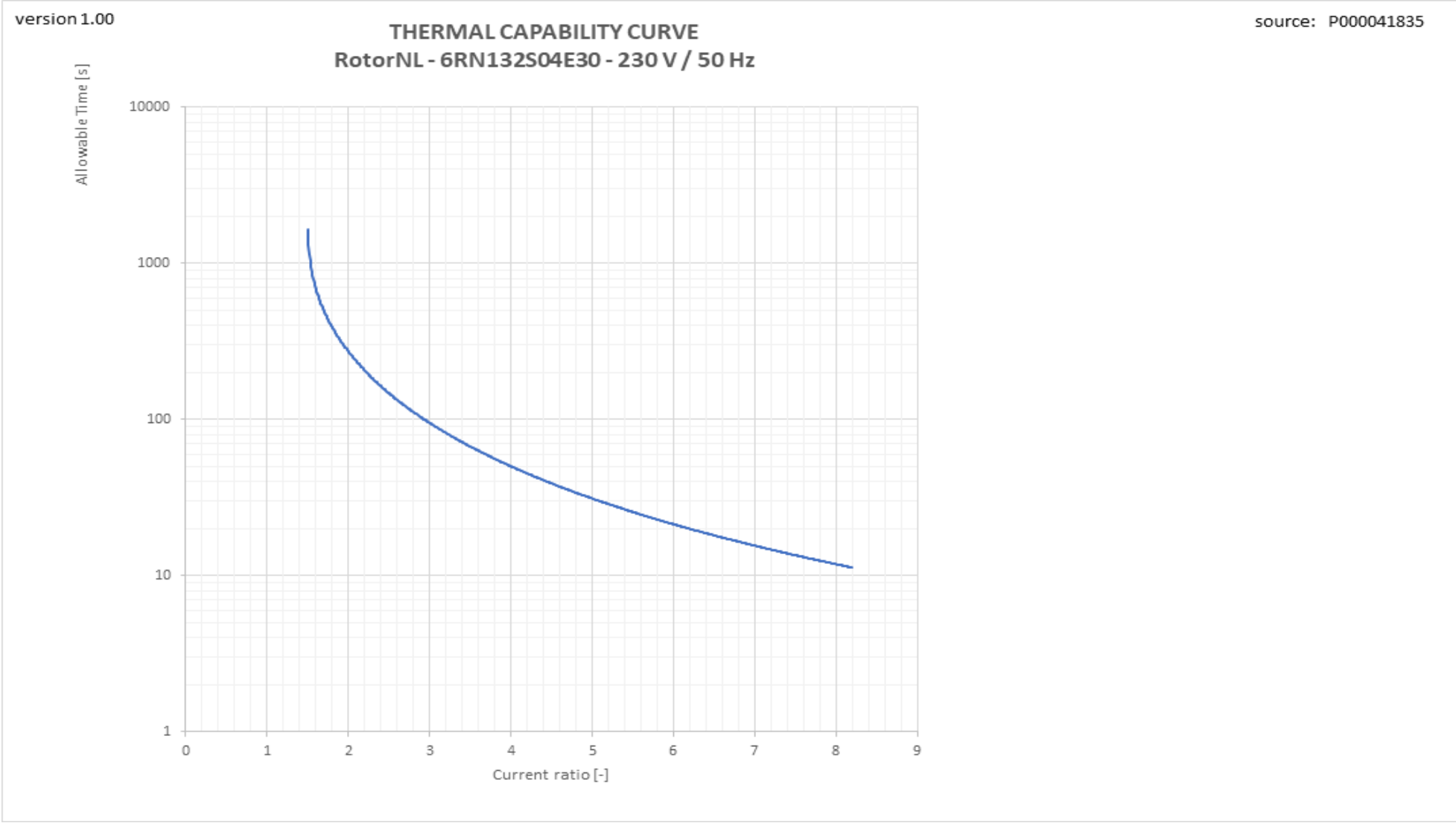
Torque versus Speed curve with variable frequency drive



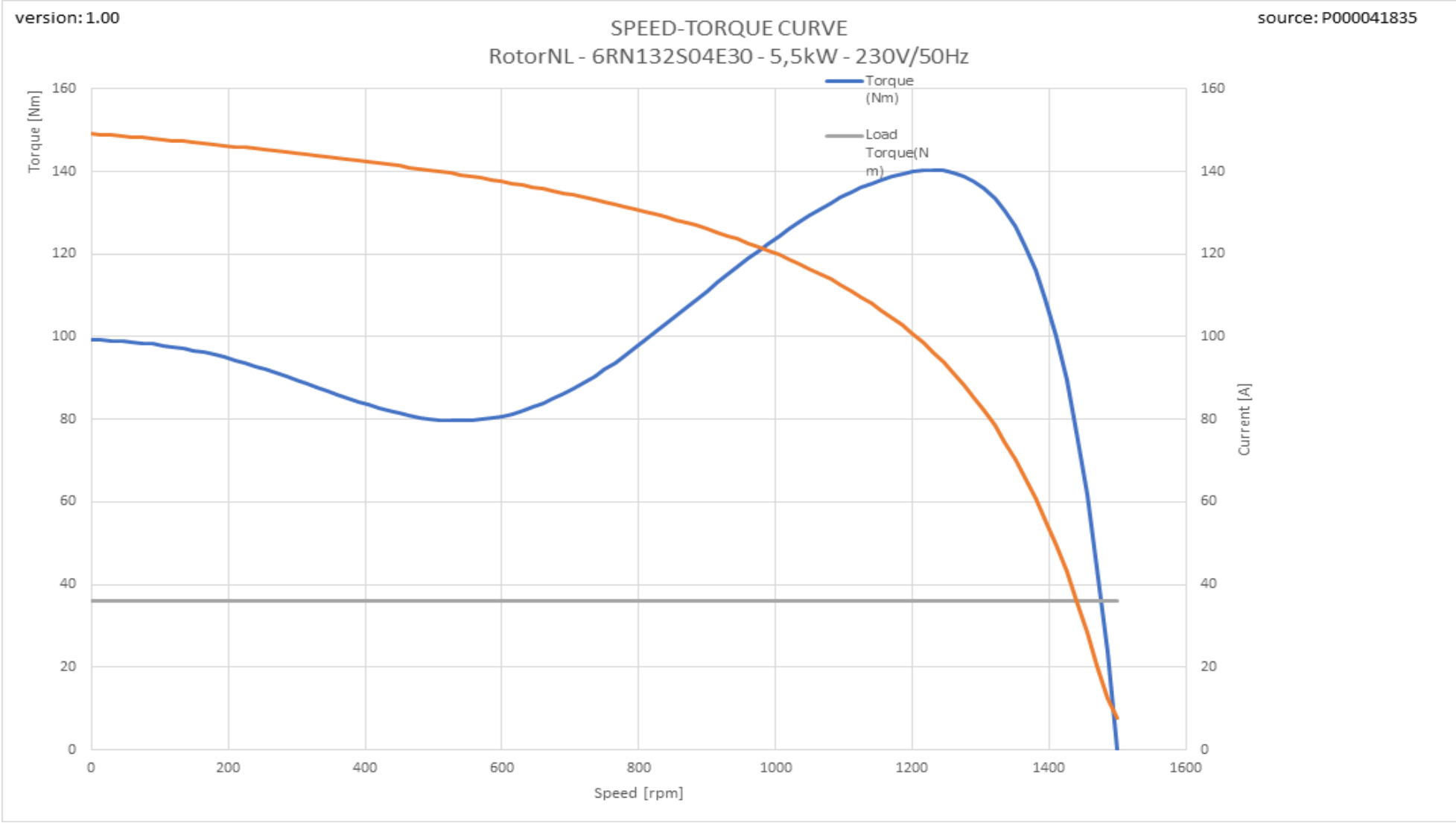
This is an uncontrolled copy - document subject to change - alterations reserved without notice

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