

PRODUCT INFORMATION PACKET

rotor nl[®]

Model No: 6RN132S02E30U463041

Catalog No: 6RN132S02E30U46@3041

5.50 kW General Purpose Low Voltage IEC Motor IE3, 3 phase, 3000 rpm, D400/Y690V 50Hz,
132S Frame B5, IC411



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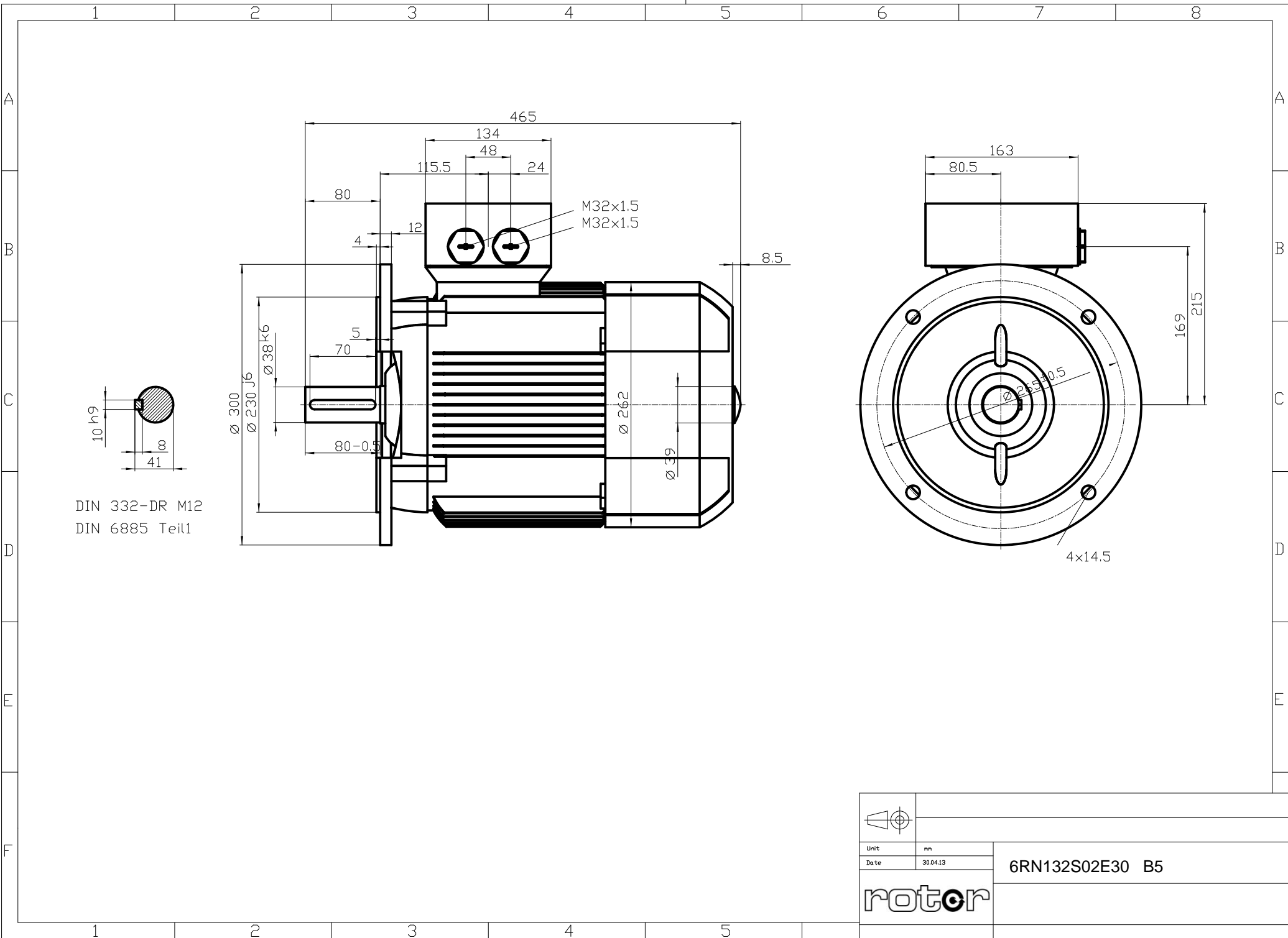
Nameplate Specifications

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	B5	Motor Orientation	Any
Frame Material	Cast iron	Shaft Type	Keyed
Shaft Diameter	38 mm	Shaft Extension	80 mm
Outline Drawing	6RN132S02E30U463041		

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Unit	mm	6RN132S02E30 B5
Date	30.04.13	

Datasheet



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Model No. 2-Pole cage motor 6RN 132S 5,5kW D400V 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 _A /I _N [pu]	T _A /T _N [pu]	T _R /T _N [pu]
			[kW]	[hp]					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	IM3041-FF265
Cooling method	IC411
Motor weight - approx.	60 kg
Gross weight - approx.	62 kg
Motor inertia	0,0240 kgm²
Vibration level	according IEC60034-14
Noise level (pressure) acc 60034-9	68 dB(A)

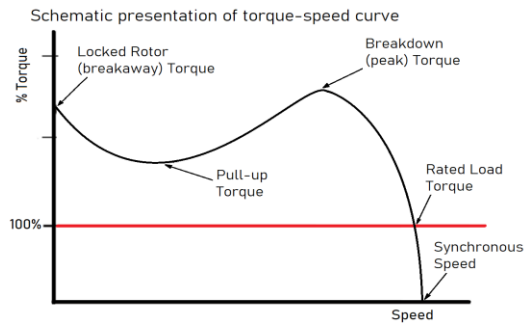
Rotor type	Cage motor
Bearing type	6308-2Z/C3WT
Type of grease	Unirex N3
Phase resistance at 20°C	0,9516 Ohm
Country of origin	CZ

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



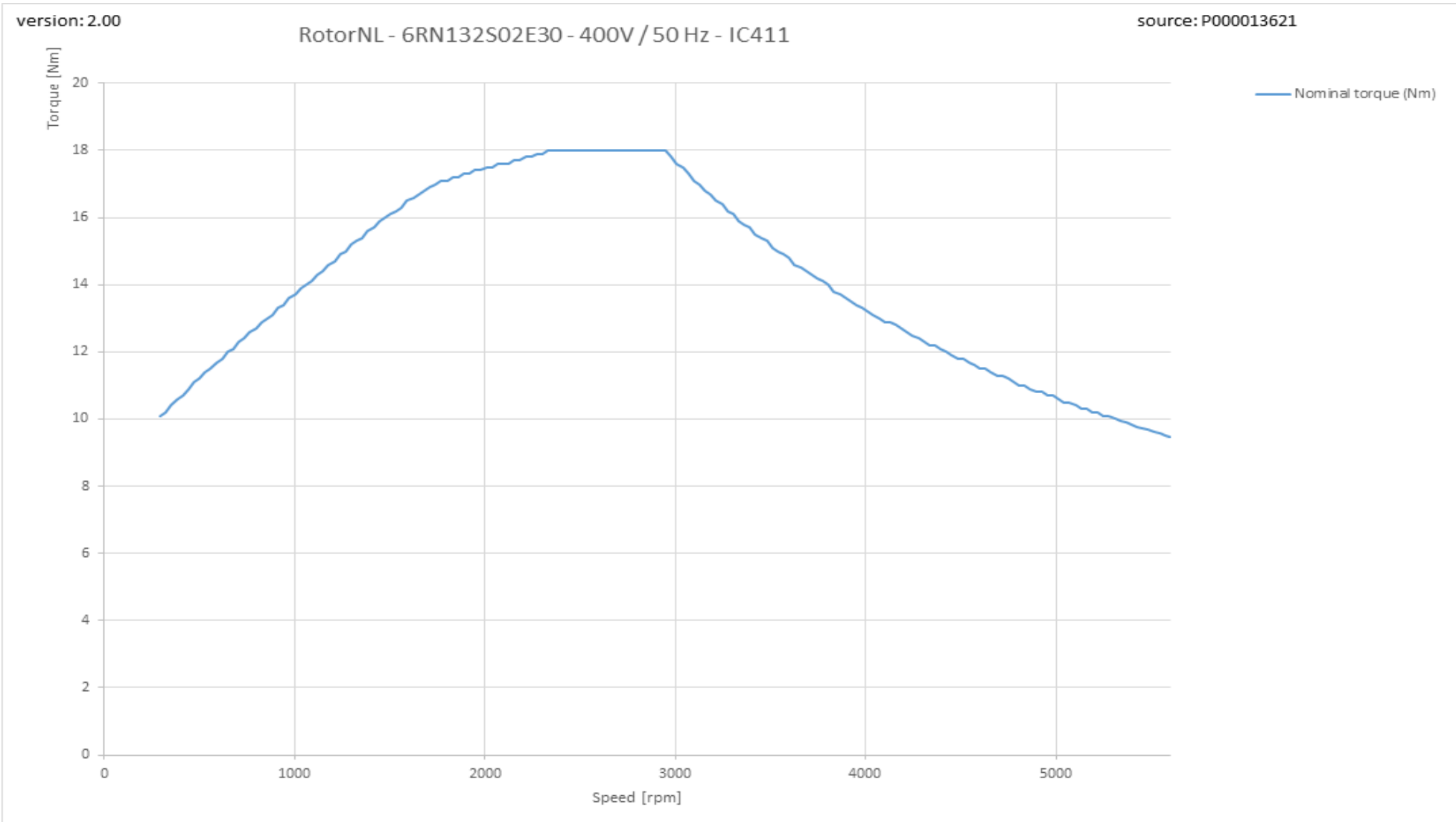
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6RN132S02E30 2-pole 5,50kW D/Y 400/690V 50Hz S1 IC411 IE3

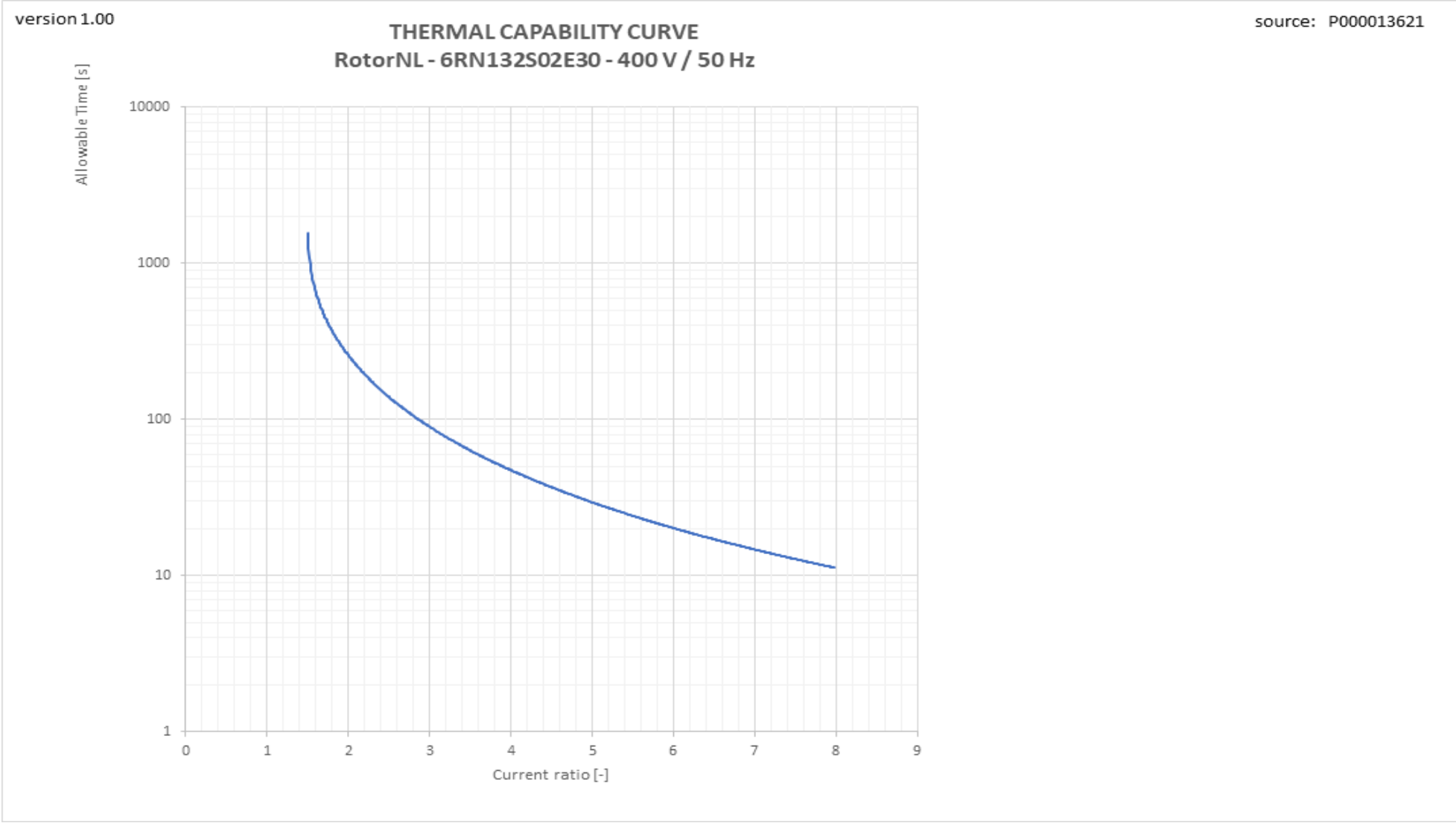


Torque versus Speed curve with variable frequency drive



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Therm_VSD graph



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Tn graph

