

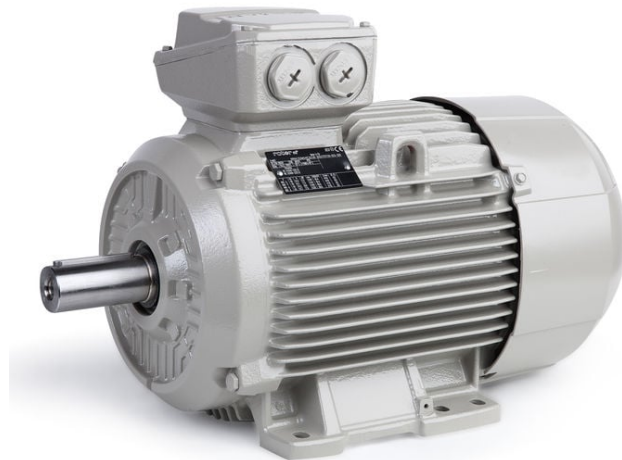
PRODUCT INFORMATION PACKET

rotor nl[®]

Model No: 6RN132M04E36VU461081

Catalog No: 6RN132M04E36VU46@1081

11.00 kW General Purpose Low Voltage IEC Motor IE3, 3 phase, 1500 rpm, D400/Y690V 50Hz,
132M Frame B3, IC411



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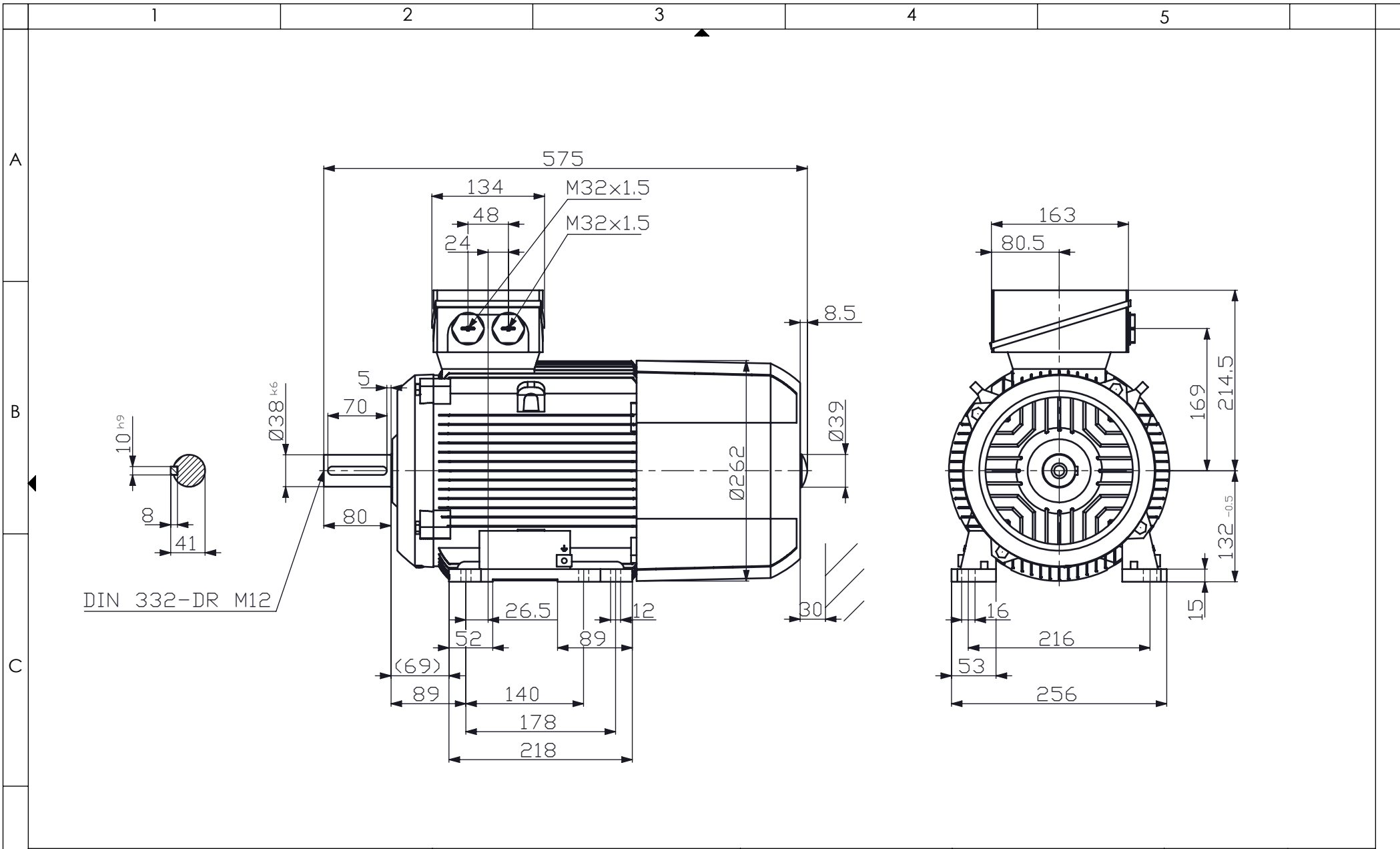
Nameplate Specifications

Output HP	15 Hp	Output KW	11.0 kW
Frequency	50 Hz	Voltage	D400/Y690 V
Current	21.50 A	Speed	1470 rpm
Service Factor	1	Phase	3
Efficiency	91.4 %	Power Factor	0.80
Duty	S1	Insulation Class	F
Frame	132M	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	B3	Motor Orientation	Any
Frame Material	Cast iron	Shaft Type	Keyed
Outline Drawing	6RN132M04E36VU461081		

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REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED



rotor

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MOTORTYPE: 6RN132M04E36(V)	TITLE: Outline drawing
MOUNTING: IM1041	DRAWN:
PROTECTION:	CHECKED:
COOLING: IC411	COMPLETE OR PARTIAL COPYING OR USE OF SPECIFICATIONS IS NOT ALLOWED WITHOUT OUR PERMISSION.
REMARKS:	SUBJECT TO ALTERATIONS
DIMENSIONS: MM	PAPER SIZE: A4
SCALE: 1:6	PAGE 1 OF 1

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Datasheet



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Model No. 4-Pole cage motor 6RN 132M 11kW D400V 50Hz IM1081

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	11	15	21,5	1470	71	IE3	91,4	92,2	92,0	0,80	0,77	0,68	7,70	2,60	3,60
690	Y		12,6														
460	D	60	12,6	16,89	21	1765	68	IE3	92,4	93,0	92,7	0,82	0,79	0,71	7,90	2,70	3,60

Motor type	6RN132M04E36V
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	132M
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	11 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. B (80K)
Temperature rise winding	52 K
Temperature rise surface	
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

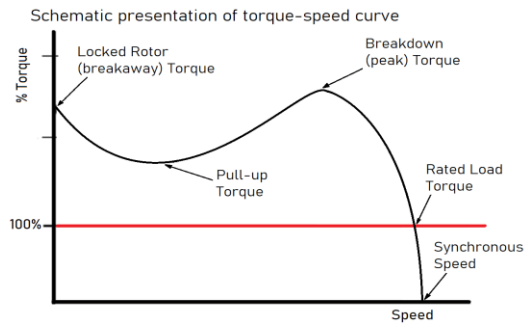
Degree of protection	IP55
Mounting type	IM1081
Cooling method	IC411
Motor weight - approx.	98 kg
Gross weight - approx.	101 kg
Motor inertia	0,0500 kgm²
Vibration level	according IEC60034-14
Noise level (pressure) acc 60034-9	64 dB(A)

Rotor type	Cage motor
Bearing type	6308-2Z/C3WT
Type of grease	Unirex N3
Phase resistance at 20°C	0,7500 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	260%	767%	208%	360%	8 A
@ D 460V 60Hz	270%	785%	195%	360%	8 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



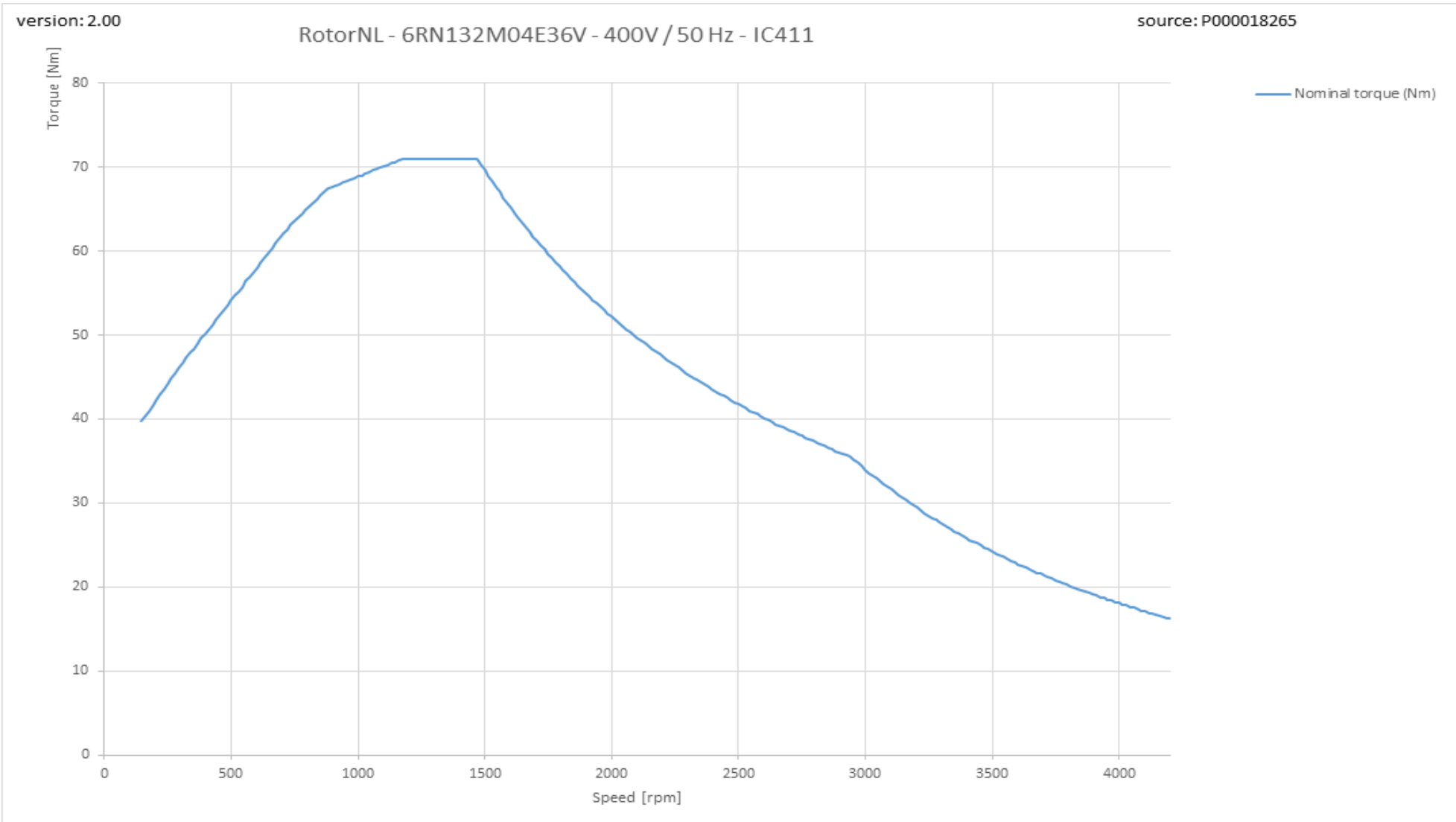
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6RN132M04E36V 4-pole 11,00kW D/Y 400/690V 50Hz S1 IC411 IE3

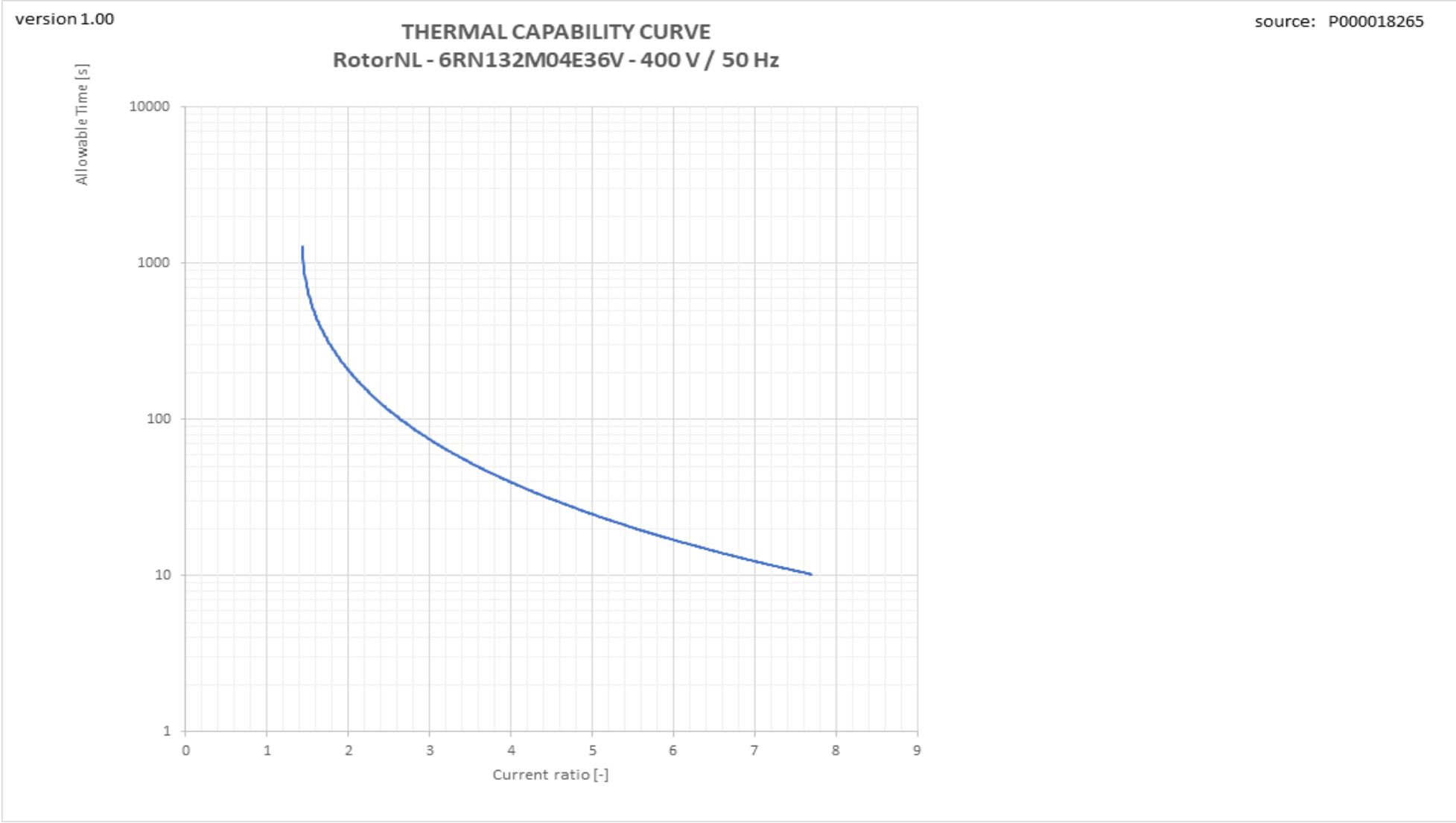


Torque versus Speed curve with variable frequency drive



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Therm_VSD graph



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Tn graph

