

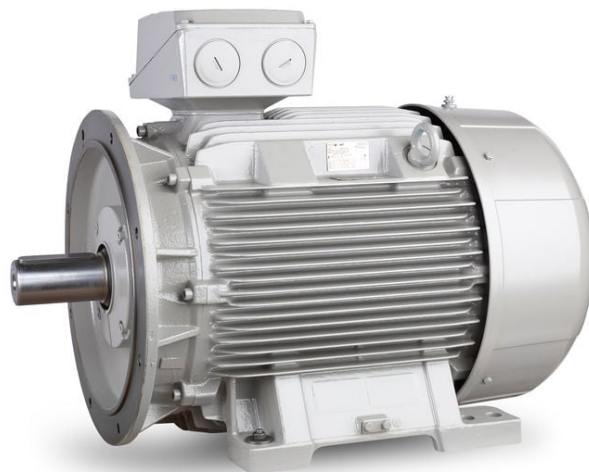
PRODUCT INFORMATION PACKET

rotor nl[®]

Model No: 6RN132M04E36VU46B2081-Uni

Catalog No: 6RN132M04E36VU46B@2081-Uni

11.00 kW General Purpose Low Voltage IEC Motor IE3, 3 phase, 1500 rpm, D400/Y690V 50Hz,
132M Frame B35, 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	B35	Motor Orientation	Any
Frame Material	Cast iron	Shaft Type	Keyed
Outline Drawing	6RN132M04E36VU46B2081-Uni		

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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 _K /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	Degree of protection	IP55
Enclosure	Totally Enclosed Fan Cooling	Mounting type	IM1081
Frame Material	Cast iron	Cooling method	IC411
Frame size	132M	Motor weight - approx.	98 kg
Duty	S1	Gross weight - approx.	101 kg
Voltage	400 V	Motor inertia	0,0500 kgm ²
Frequency	50 Hz	Vibration level	according IEC60034-14
Power output	11 kW	Noise level (pressure) acc 60034-9	64 dB(A)
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	Direction of rotation	cw / ccw
Hazardous area classification	Safe area		

Rotor type	Cage motor
Bearing type	6308-2Z/C3WT - 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 [%]	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

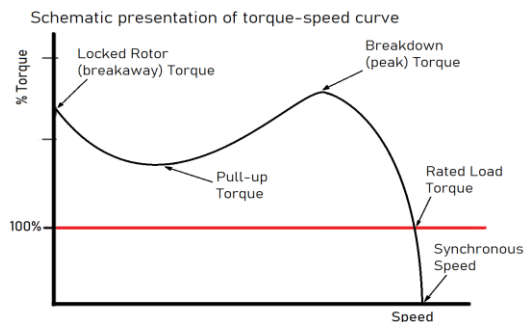
All performance values at rated voltage and frequency.

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.

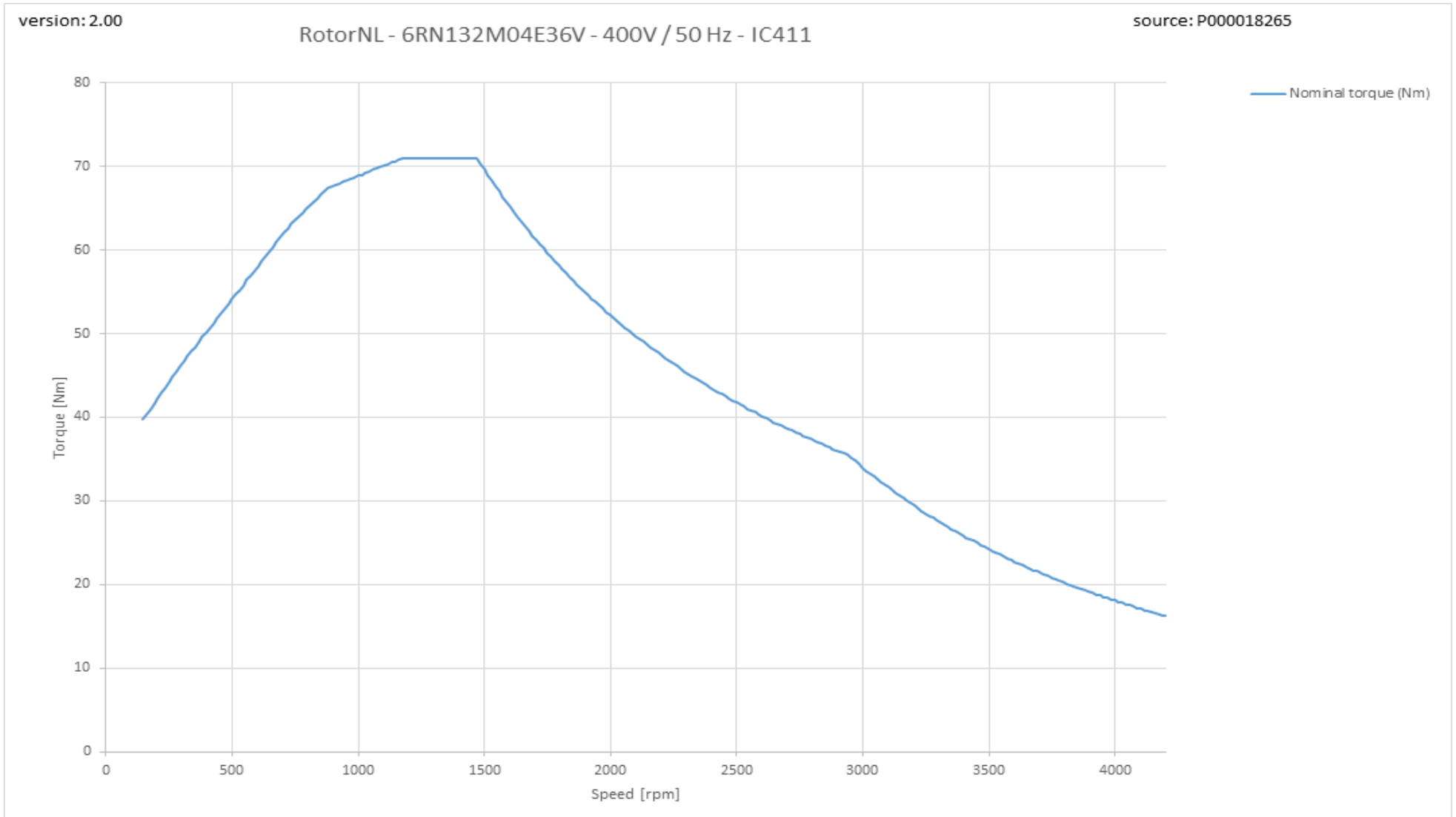
Efficiency	Europe	Global IEC
Standards	EN-IEC: 60034-30	IEC: 60034-30



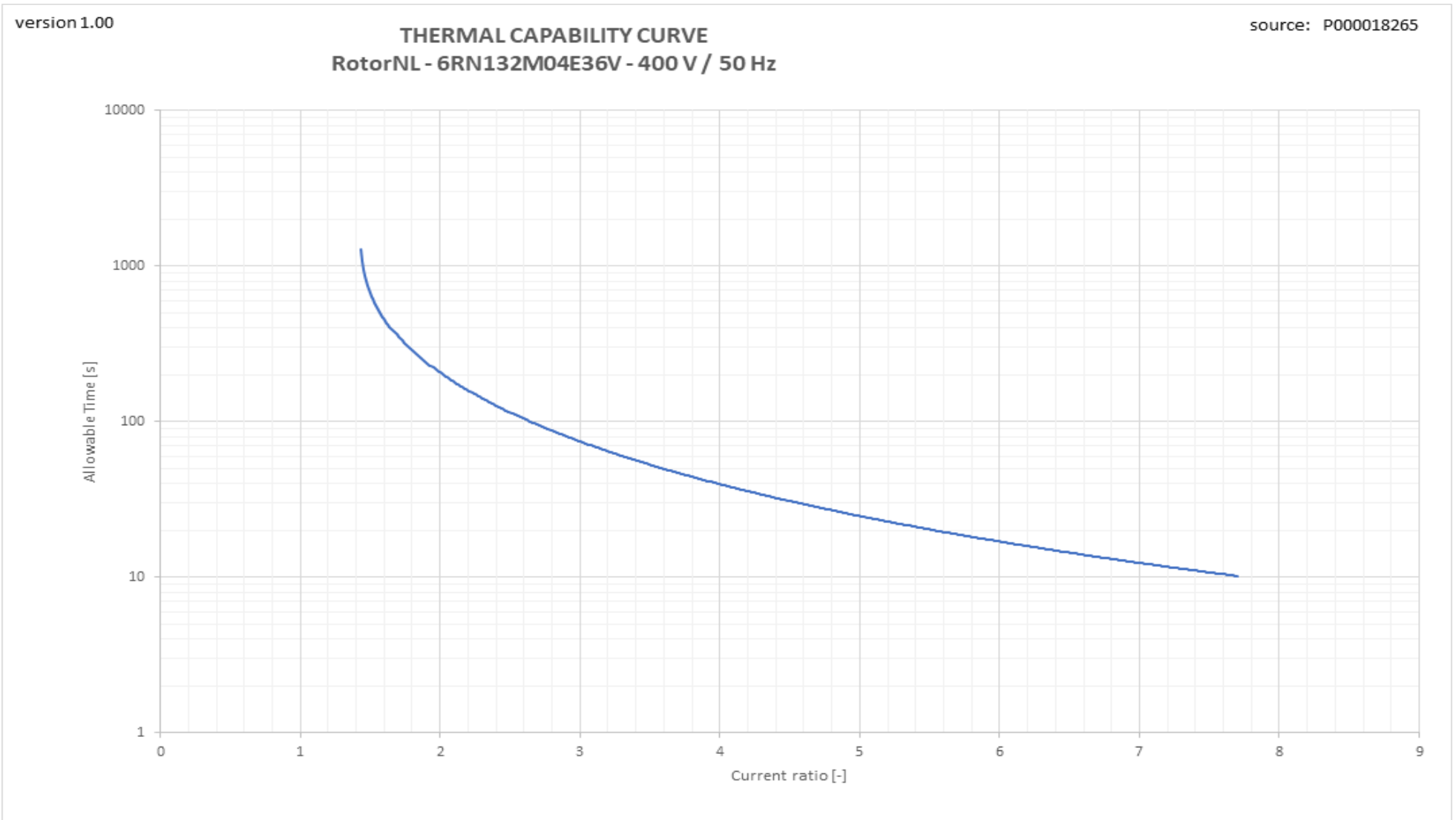
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Torque versus Speed curve with variable frequency drive



Therm_VSD graph



Tn graph

