

PRODUCT INFORMATION PACKET

rotor nl[®]

Model No: 6RN132M04E36VU24B2081

Catalog No: 6RN132M04E36VU24B@2081

11.00 kW General Purpose Low Voltage IEC Motor IE3, 3 phase, 1500 rpm, D230/Y40V 50Hz,
132M Frame B35, IC411



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Nameplate Specifications

Output HP	15.00 Hp	Output KW	11.0 kW
Frequency	50 Hz	Voltage	D230/Y400 V
Current	37.41 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	6RN132M04E36_1041		

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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 132M 11kW D230V 50Hz IM2081-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			
230	D	50	11	15	37,5	1470	71	IE3	91,4	92,2	92,0	0,80	0,77	0,68	7,70	2,60	3,60
400	Y				21,6												
265	D	60	12,6	16,89	36,5	1765	68	IE3	92,4	93,0	92,7	0,82	0,79	0,71	7,90	2,70	3,60
460	Y				21,1												

Motor type	6RN132M04E36V
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	132M
Duty	S1
Voltage	230 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	IM2081-FF265
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
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Country of origin	CZ
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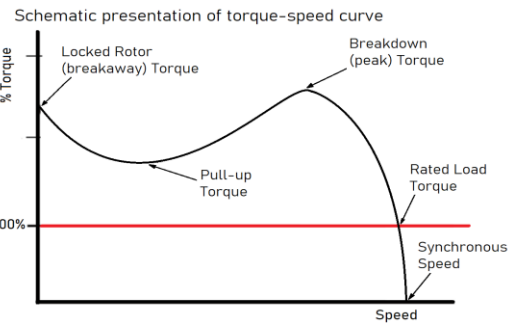
Voltage/Freq	Locked rotor Torque [% nom]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 230V 50Hz	260%	768%	208%	360%	13,9 A
@ D 265V 60Hz	270%	789%	195%	360%	13,9 A

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

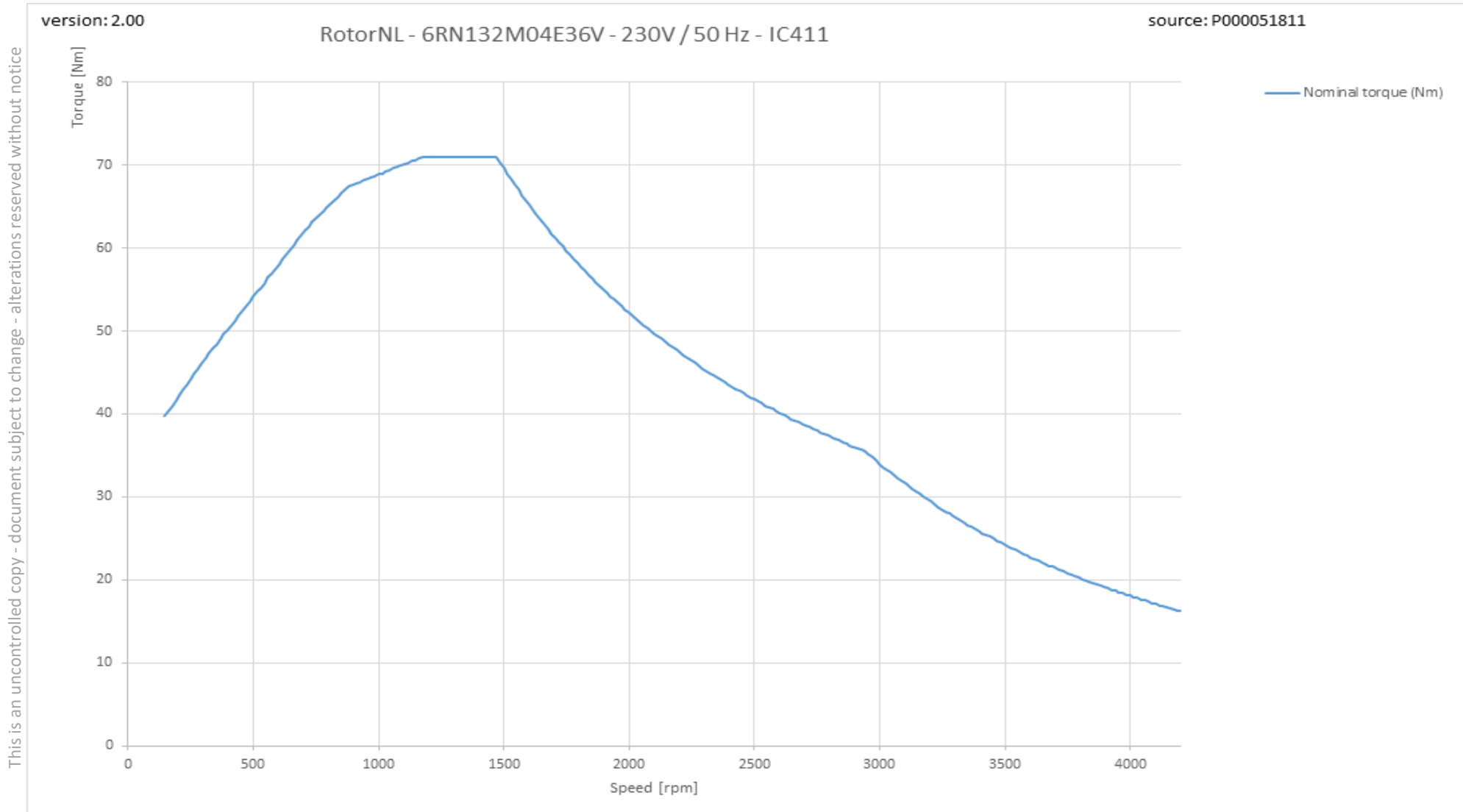
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6RN132M04E36V 4-pole 11,00kW D/Y 230/400V 50Hz S1 IC411 IE3

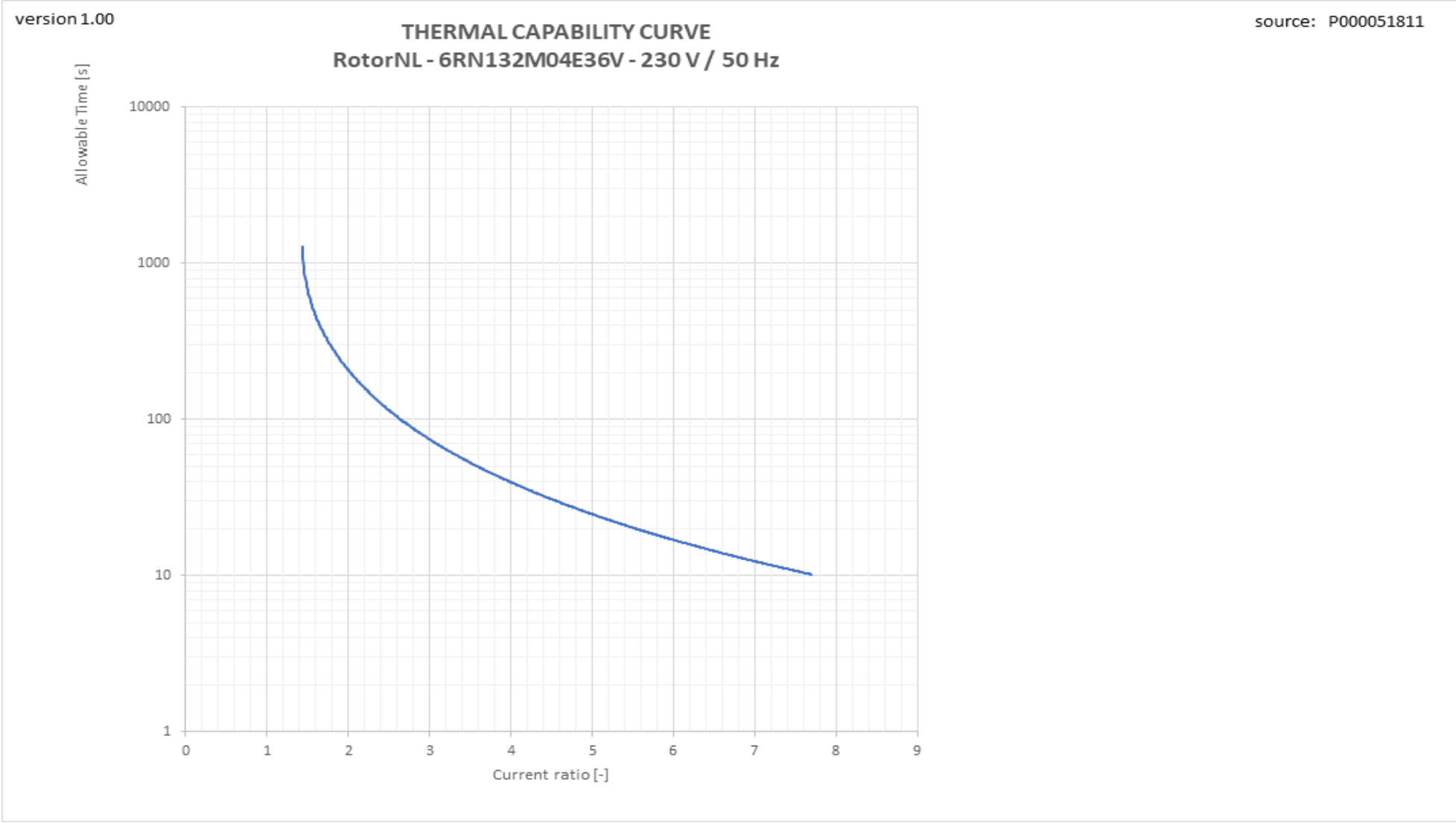


Torque versus Speed curve with variable frequency drive



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Therm_VSD graph



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