

# PRODUCT INFORMATION PACKET



Model No: 6RN132M06E42U463041

Catalog No: 6RN132M06E42U46@3041

4.00 kW General Purpose Low Voltage IEC Motor IE4, 3 phase, 1000 rpm, D400/Y690V 50Hz,  
132M Frame B5, IC411

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## Nameplate Specifications

## Technical Specifications

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## Datasheet

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Model No. 6-Pole cage motor 6RN 132M 4kW D400V 50Hz IM3041-FF265

U (V)	Δ / Y Conn	f [Hz]	P [kW]	P [hp]	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>K</sub> /T <sub>N</sub> [pu]
									FL	3/4FL	1/2FL	FL	3/4FL	1/2FL			
400	D	50	4	5 1/3	8,5	980	38,9	IE4	89,5	90,3	89,9	0,76	0,71	0,59	6,67	2,13	2,86
690	Y				4,9												

Motor type	6RN132M06E42
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	132M
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	4 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. B (80K)
Temperature rise winding	30 K
Temperature rise surface	21 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Rotor type	Cage motor
Bearing type	6308-2Z/C3WT

Type of grease	Unirex N3
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Phase resistance at 20°C	2,6941 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	213%	657%		286%	4 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

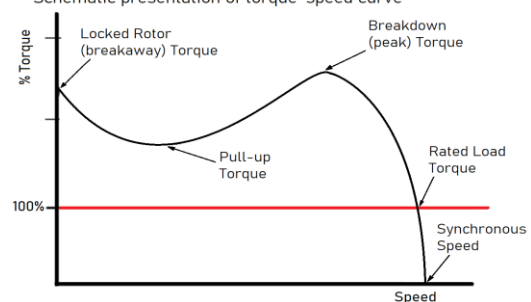
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Degree of protection	IP55
Mounting type	IM3041-FF265
Cooling method	IC411
Motor weight - approx.	81 kg
Gross weight - approx.	83 kg

Vibration level	according IEC60034-14
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Direction of rotation	cw /ccw
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Schematic presentation of torque-speed curve



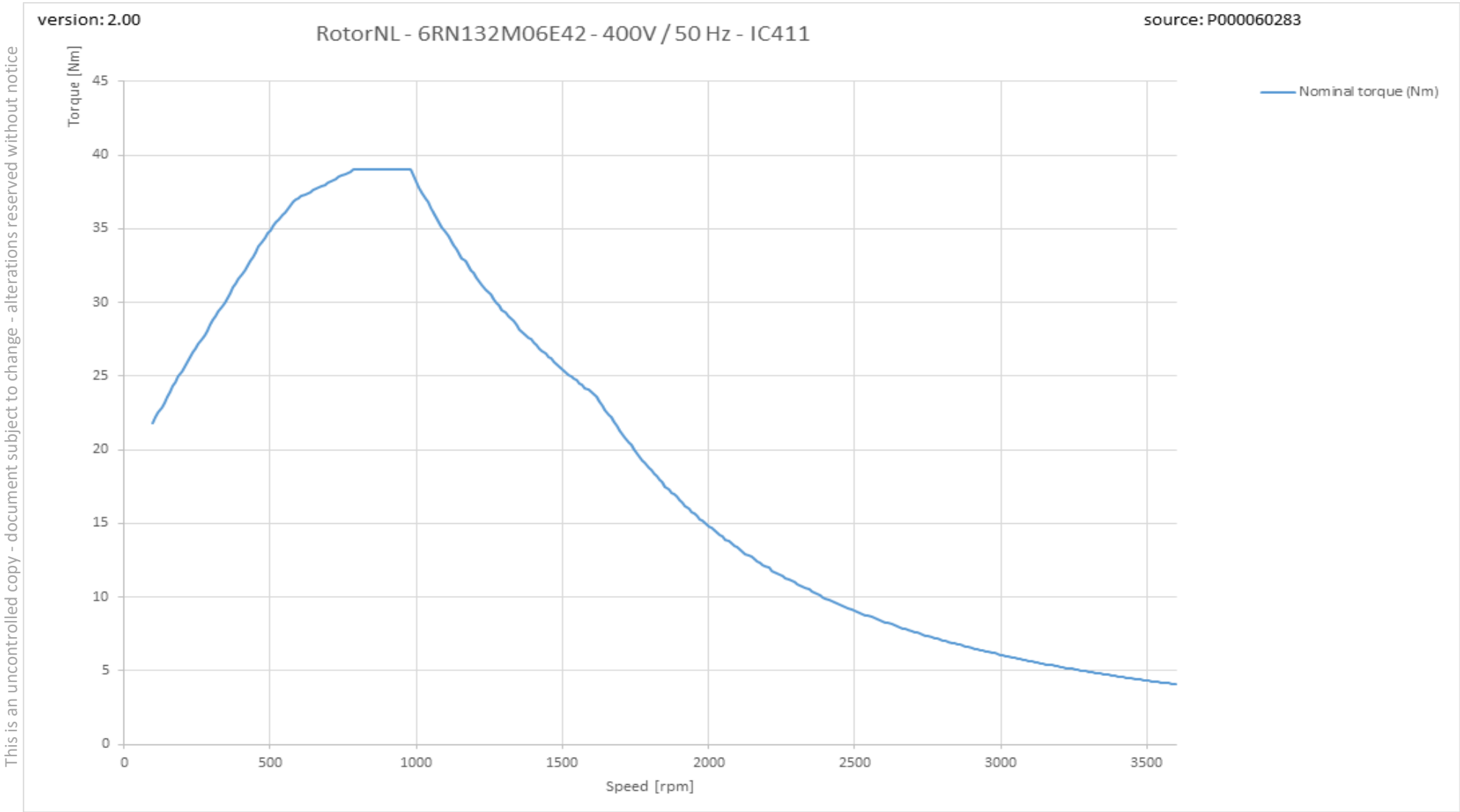
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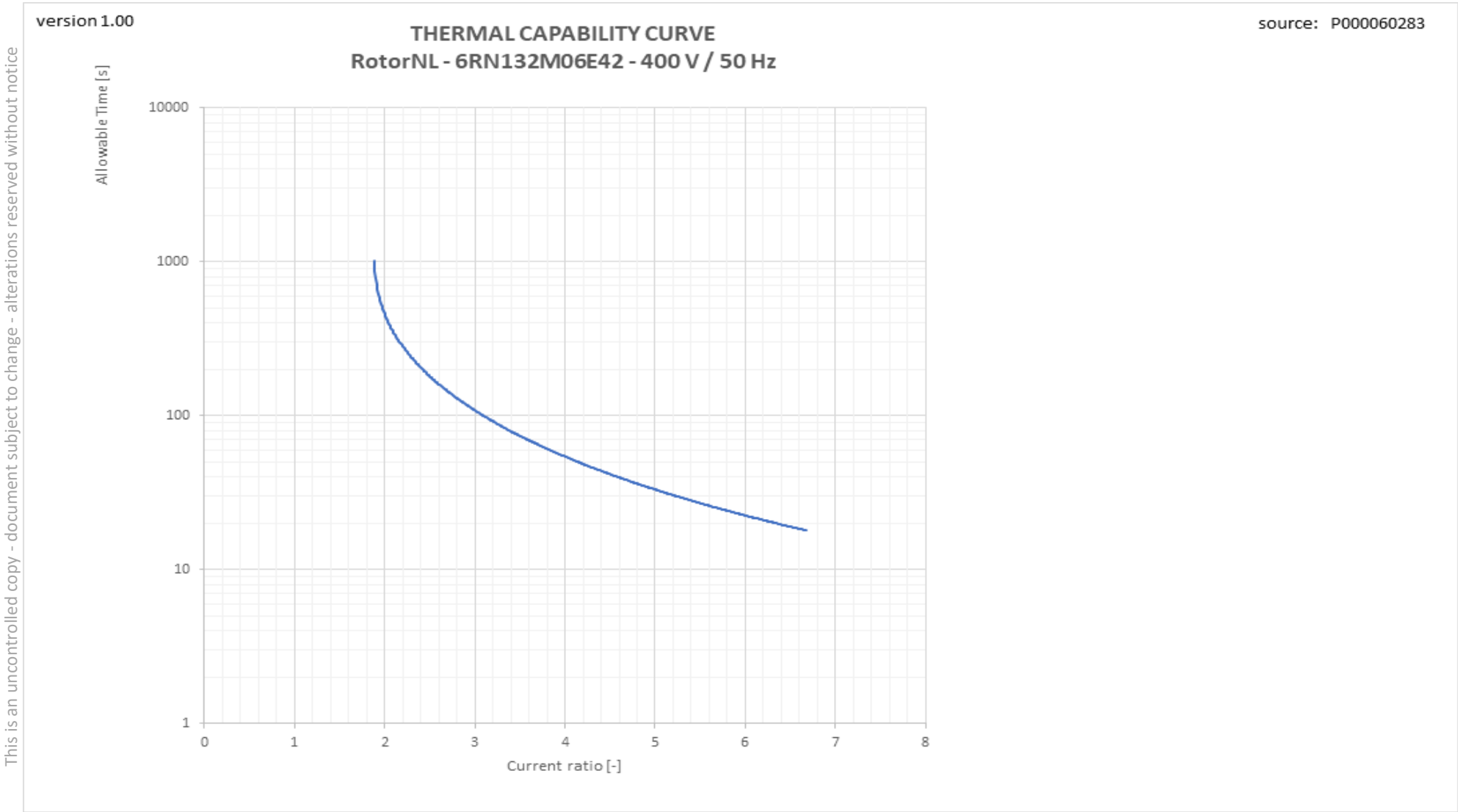
6RN132M06E42 6-pole 4,00kW D/Y 400/690V 50Hz S1 IC411 IE4



Torque versus Speed curve with variable frequency drive



Therm\_VSD graph



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