

PRODUCT INFORMATION PACKET

rotor nl®

Model No: 6RN132M08E32U46B2081

Catalog No: 6RN132M08E32U46B@2081

3.00 kW General Purpose Low Voltage IEC Motor IE3, 3 phase, 750 rpm, D400/Y690V 50Hz,
132 Frame B35, IC411



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Nameplate Specifications

Efficiency Class

IE3

Technical Specifications

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Datasheet



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Model No. 8-Pole cage motor 6RN 132 3kW D400V 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			
400	D	50	3	4	8,5	725	39,5	IE3	83,7			0,61			3,75	1,45	2,02
690	Y				4,9												
460	D	60	3	4	6,3	880	32,5	IE3	85,5			0,73			6,00	2,20	3,00

Motor type	6RN132M08E32
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	132
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	3 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	27 K
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.	78 kg
Gross weight - approx.	80 kg

Vibration level **according IEC60034-14**

Direction of rotation **cw / ccw**

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

Type of grease **Unirex N3**

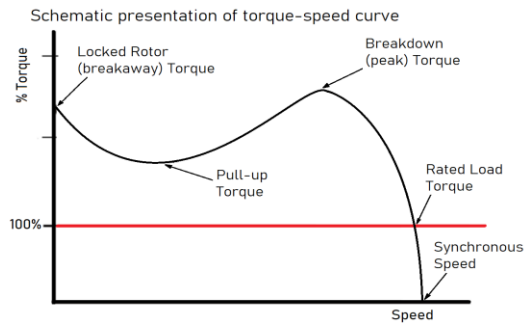
Phase resistance at 20°C	5,0427 Ohm
Country of origin	CZ

Voltage/Freq	Locked rotor Torque [nom] [%]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 400V 50Hz	145%	375%		202%	5,33 A
@ D 460V 60Hz	220%	600%		300%	

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



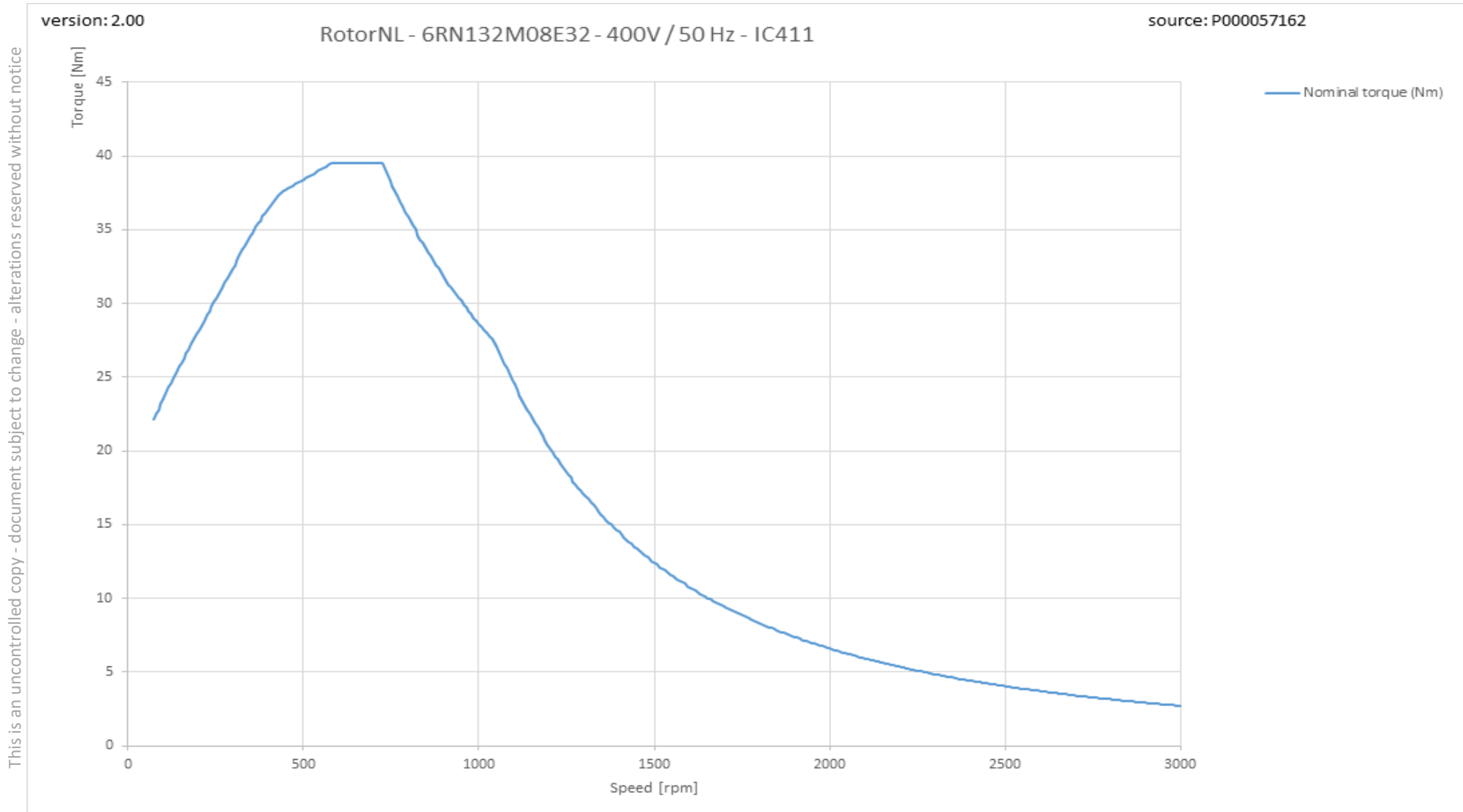
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6RN132M08E32 8-pole 3,00kW D/Y 400/690V 50Hz S1 IC411 IE3

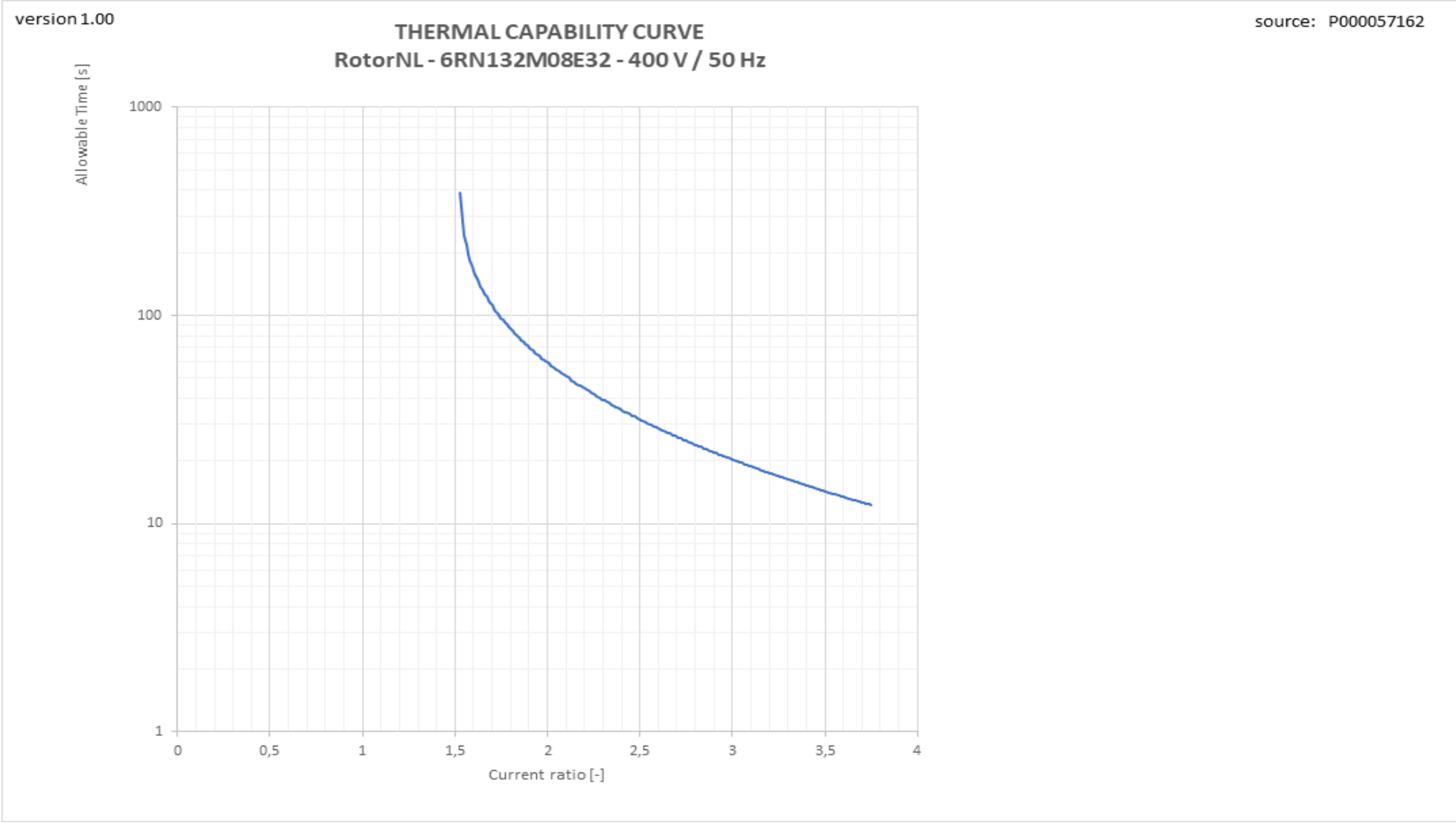


Torque versus Speed curve with variable frequency drive



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Therm_VSD graph



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