

PRODUCT INFORMATION PACKET

rotor nl[®]

Model No: 6RN132S04E40U243041

Catalog No: 6RN132S04E40U24@3041

5.50 kW General Purpose Low Voltage IEC Motor IE4, 3 phase, 1500 rpm, D230/Y400V 50Hz,
132S Frame B5, IC411

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Nameplate Specifications

Technical Specifications

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Datasheet



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Model No. 4-Pole cage motor 6RN 132S 5,5kW D230V 50Hz IM3041-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	5,5	7 1/3	18	1467	35,7	IE3	91,7			0,84			8,66	2,61	3,54
400	Y				10,4												

Motor type	6RN132S04E40	Degree of protection	IP55
Enclosure	Totally Enclosed Fan Cooling	Mounting type	IM3041-FF265
Frame Material	Cast iron	Cooling method	IC411
Frame size	132S	Motor weight - approx.	77 kg
Duty	S1	Gross weight - approx.	79 kg
Voltage	230 V	Motor inertia	0,0460 kgm²
Frequency	50 Hz	Vibration level	according IEC60034-14
Power output	5,5 kW	Noise level (pressure) acc 60034-9	56 dB(A)
Insulation class	F		
Ambient temperature	-20 till 40 °C		
Temperature rise	temp.rise acc. B (80K)		
Temperature rise winding	37 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
Type of grease	Unirex N3
Country of origin	CZ

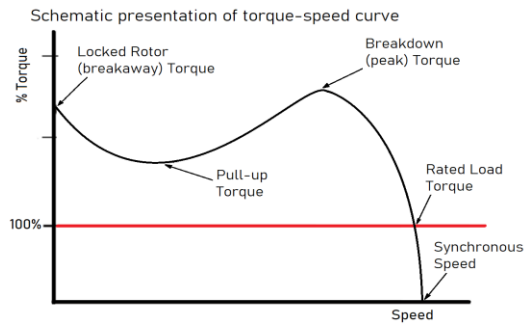
Voltage/Freq	Locked rotor Torque [% nom]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 230V 50Hz	261%	866%	174%	354%	7,55 A

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

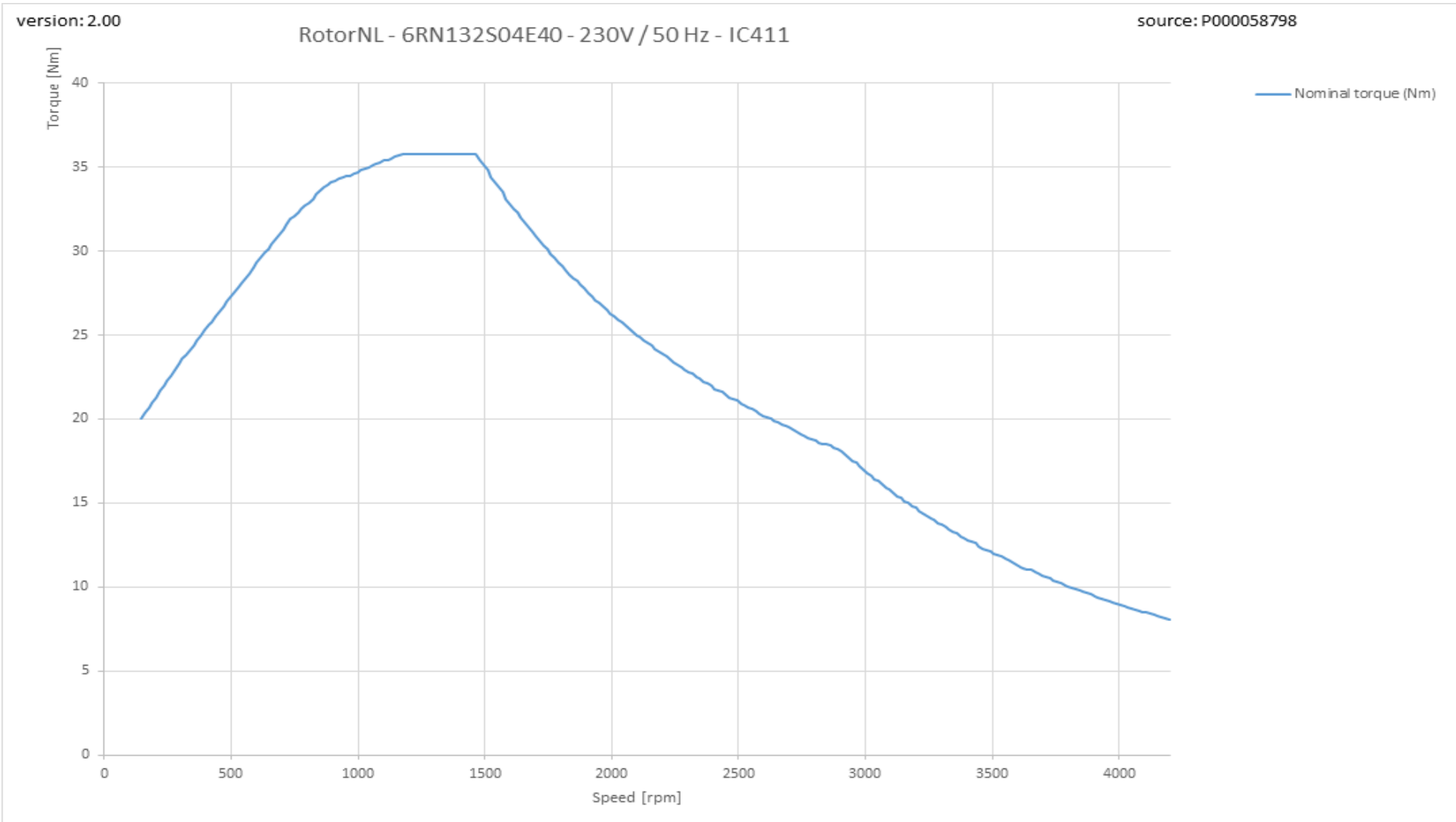
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6RN132S04E40 4-pole 5,50kW D/Y 230/400V 50Hz S1 IC411 IE3

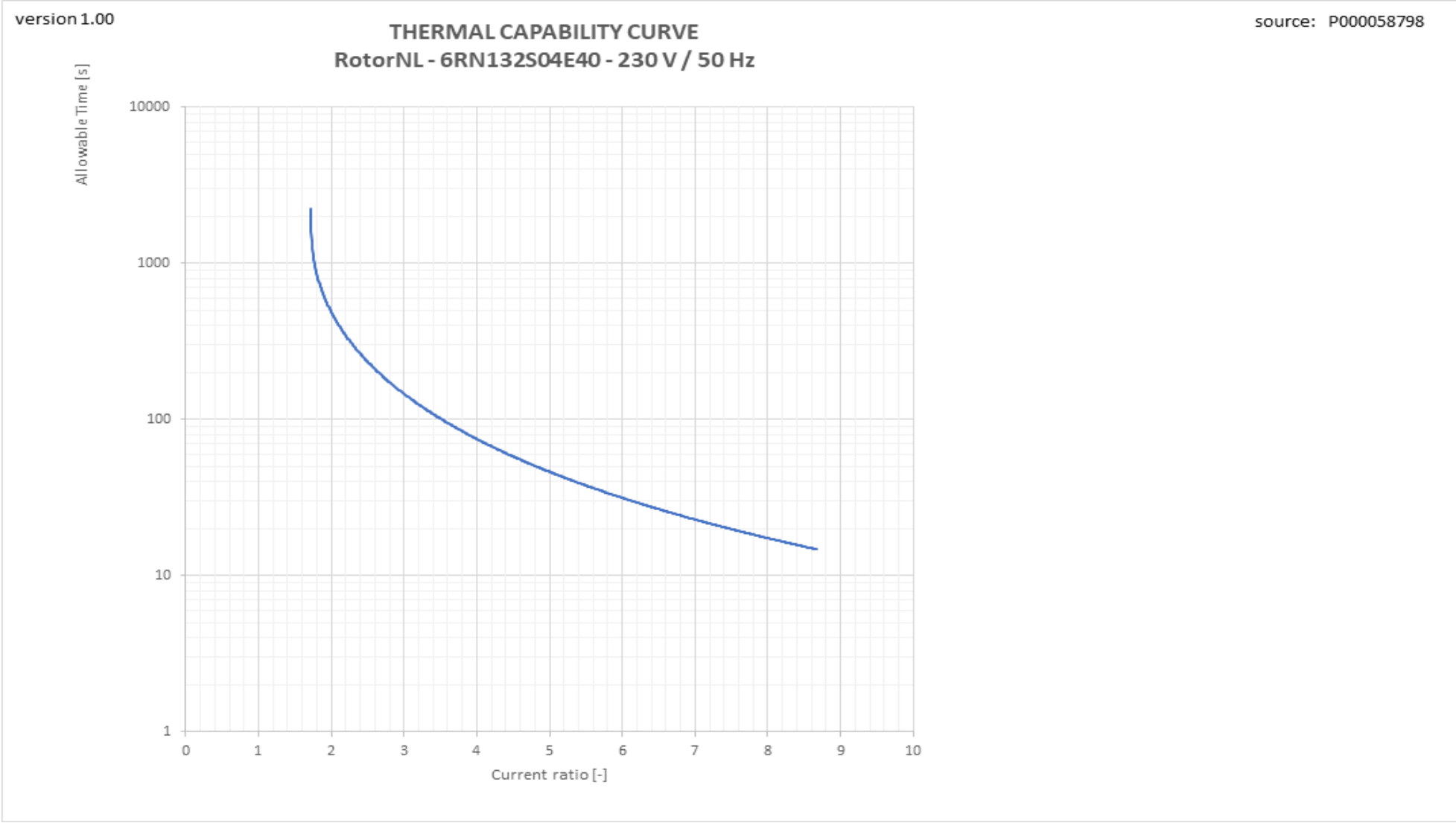


Torque versus Speed curve with variable frequency drive



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Therm_VSD graph



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