

PRODUCT INFORMATION PACKET

rotor nl®

Model No: 6RN132S02E40U241081

Catalog No: 6RN132S02E40U24@1081

5.50 kW General Purpose Low Voltage IEC Motor IE4, 3 phase, 3000 rpm, D230/Y400V 50Hz,
132S Frame B3, IC411

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Nameplate Specifications

Technical Specifications

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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. 2-Pole cage motor 6RN 132S 5,5kW D230V 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 _R /T _N [pu]
			[kW]	[hp]					FL	3/4FL	1/2FL	FL	3/4FL	1/2FL			
230	D	50	5,5	7 1/3	18,2	2959	17,7	IE4	91,1			0,84			9,80	2,08	4,61
400	Y				10,5												

Motor type	6RN132S02E40	Degree of protection	IP55
Enclosure	Totally Enclosed Fan Cooling	Mounting type	IM1081
Frame Material	Cast iron	Cooling method	IC411
Frame size	132S	Motor weight - approx.	59 kg
Duty	S1	Gross weight - approx.	61 kg
Voltage	230 V	Motor inertia	0,0240 kgm²
Frequency	50 Hz	Vibration level	according IEC60034-14
Power output	5,5 kW		
Insulation class	F		
Ambient temperature	-20 till 40 °C		
Temperature rise	temp.rise acc. B (80K)		
Temperature rise winding	41 K		
Temperature rise surface			
Altitude above sea level	1000 mtr	Direction of rotation	cw / ccw
Hazardous area classification	Safe area		

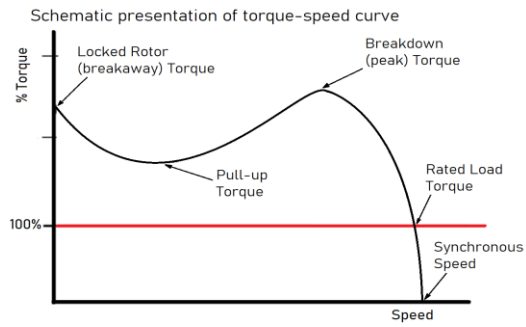
Rotor type	Cage motor
Bearing type	6308-2Z/C3WT
Type of grease	Unirex N3

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	208%	978%	240%	461%	8,77 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



V2.07

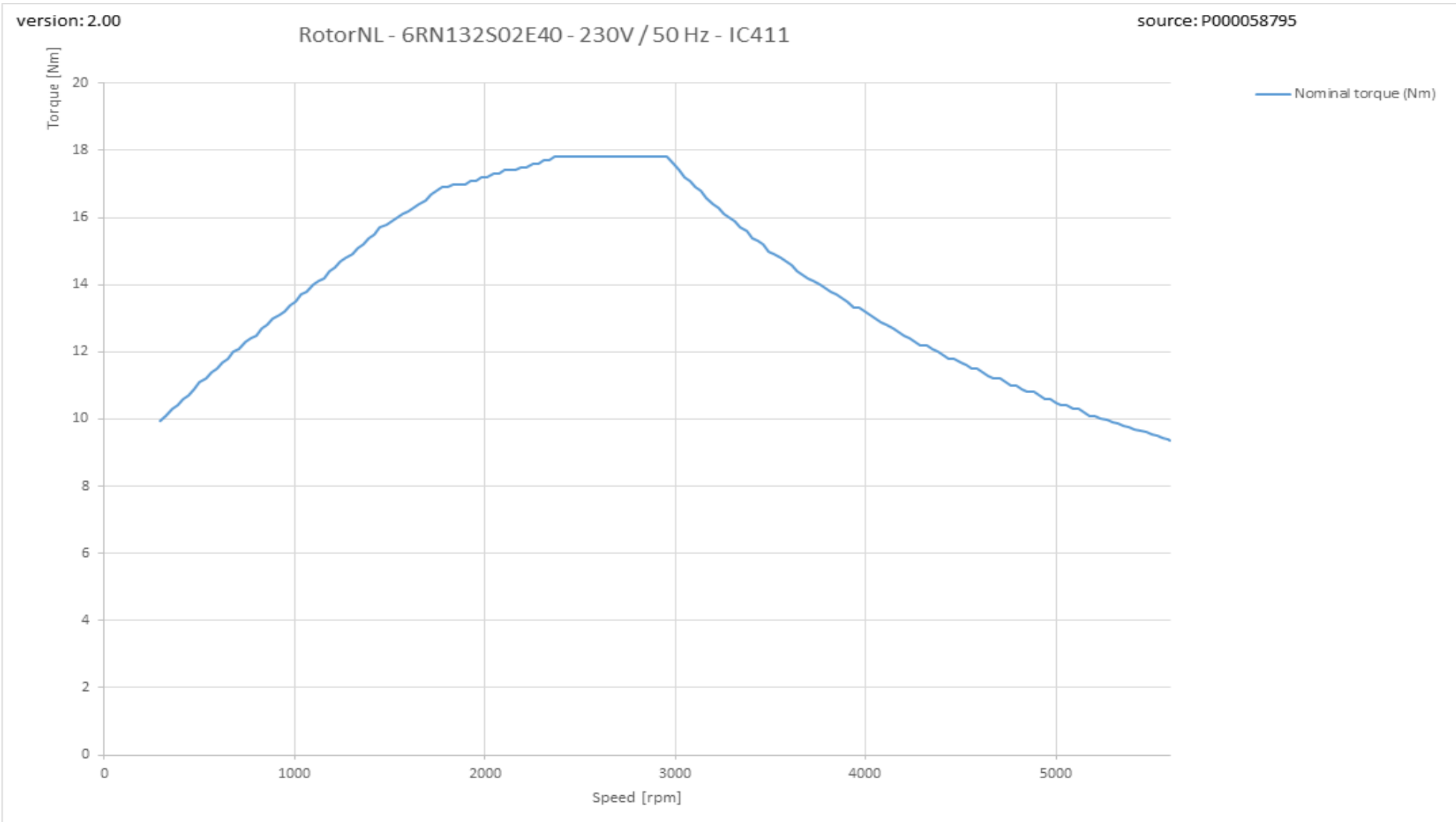
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6RN132S02E40 2-pole 5,50kW D/Y 230/400V 50Hz S1 IC411 IE4



Torque versus Speed curve with variable frequency drive



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Therm_VSD graph

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