

PRODUCT INFORMATION PACKET



Model No: 6RN132S02E41U241081

Catalog No: 6RN132S02E41U24@1081

7.50 kW General Purpose Low Voltage IEC Motor IE4, 3 phase, 3000 rpm, D230/Y400V 50Hz,
1322 Frame B3, IC411

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Nameplate Specifications

Technical Specifications

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Datasheet



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Model No. 2-Pole cage motor 6RN 1322 7,5kW D230V 50Hz IM1081

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 _A /I _N [pu]	T _A /T _N [pu]	T _R /T _N [pu]
									FL	3/4FL	1/2FL	FL	3/4FL	1/2FL			
230	D	50	7,5	10	22,5	2958	24,2	IE4	92,1			0,91			10,00	2,18	4,24
400	Y				13												

Motor type	6RN132S02E41	Degree of protection	IP55
Enclosure	Totally Enclosed Fan Cooling	Mounting type	IM1081
Frame Material	Cast iron	Cooling method	IC411
Frame size	1322	Motor weight - approx.	73 kg
Duty	S1	Gross weight - approx.	75 kg
Voltage	230 V	Motor inertia	0,0390 kgm²
Frequency	50 Hz	Vibration level	according IEC60034-14
Power output	7,5 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

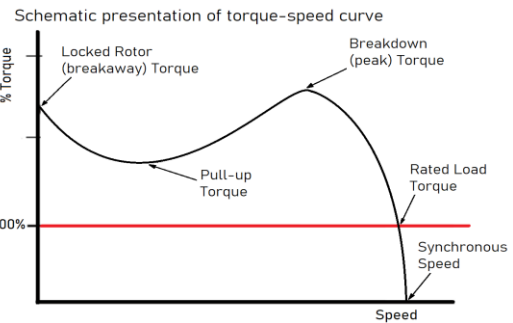
Voltage/Freq	Locked rotor Torque [% nom]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 230V 50Hz	218%	1008%	220%	424%	7,06 A

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

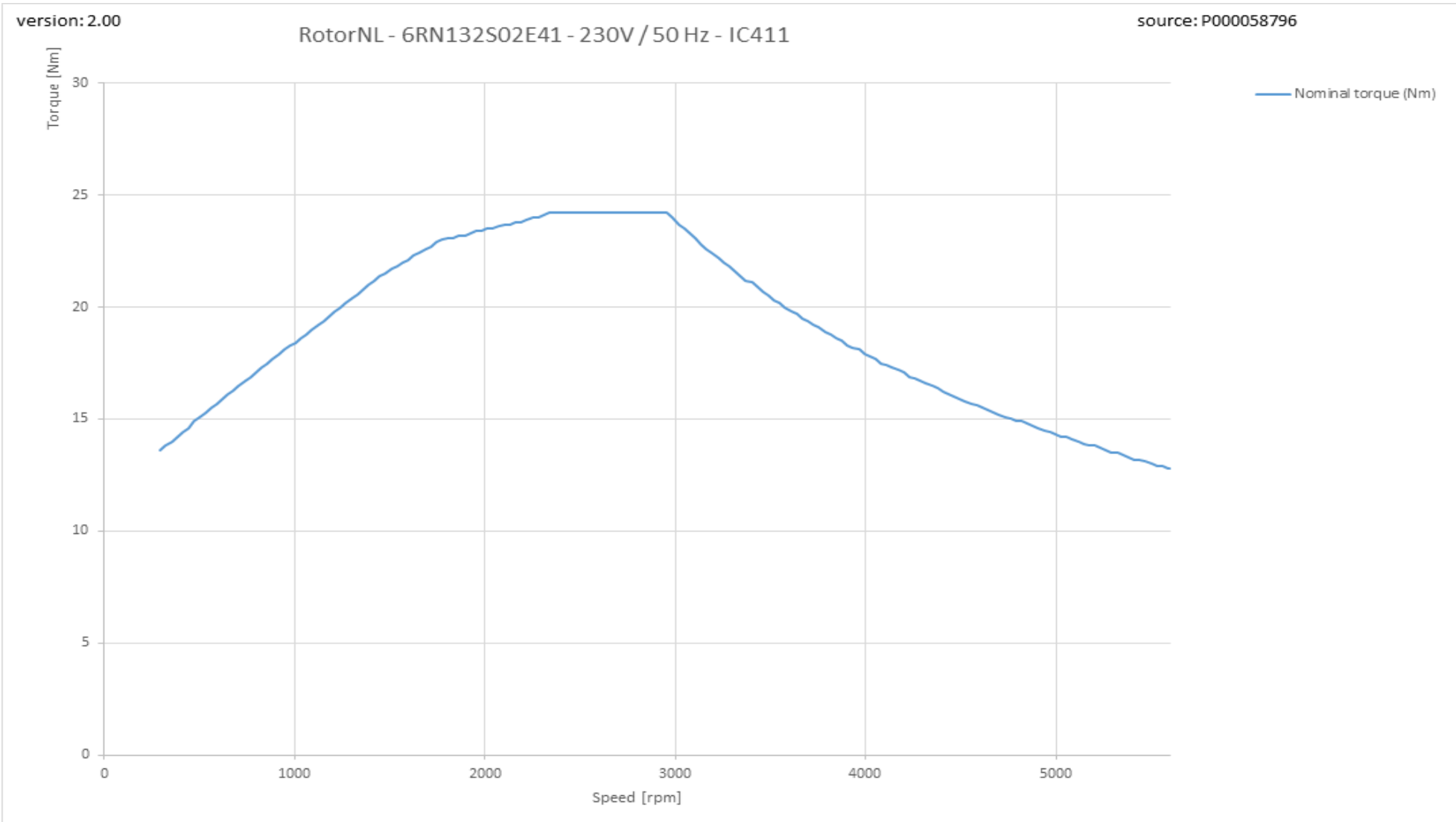
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6RN132S02E41 2-pole 7,50kW D/Y 230/400V 50Hz S1 IC411 IE4



Torque versus Speed curve with variable frequency drive



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Therm_VSD graph

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