

PRODUCT INFORMATION PACKET



Model No: 6RN132S06E40U461081

Catalog No: 6RN132S06E40U46@1081

3.00 kW General Purpose Low Voltage IEC Motor IE4, 3 phase, 1000 rpm, D400/Y690V 50Hz,
132S Frame B3, IC411

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Nameplate Specifications

Output HP	4.00 Hp	Output KW	3.0 kW
Frequency	50 Hz	Voltage	D400/Y690 V
Current	6.90 A	Speed	975 rpm
Service Factor	1	Phase	3
Efficiency	85.6 %	Power Factor	0.73
Duty	S1	Insulation Class	F
Frame	132S	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6308-2Z/C3WT (-40°C/+160°C)	Opp Drive End Bearing Size	6308-2Z/C3WT (-40°C/+160°C)
UL	No	CSA	Optional
CE	Yes	IP Code	IP55
Number of Speeds	1	Efficiency Class	IE4

Technical Specifications

Electrical Type	Squirrel Cage	Starting Method	Direct On Line
Poles	6	Rotation	Clockwise Shaft End
Mounting	B3	Motor Orientation	Any
Frame Material	Cast iron	Shaft Type	Keyed

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Datasheet



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Model No. 6-Pole cage motor 6RN 132S 3kW D400V 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			
400	D	50	3	4	6,9	975	29	N/A	58,6	86,7	86,4	0,73	0,68	0,57	6,60	2,30	3,20
690	Y				12												

Motor type	6RN132S06E40	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.	67 kg
Duty	S1	Gross weight - approx.	69 kg
Voltage	400 V		
Frequency	50 Hz		
Power output	3 kW	Vibration level	according IEC60034-14
Insulation class	F		
Ambient temperature	-20 till 40 °C		
Temperature rise	temp.rise acc. B (80K)		
Temperature rise surface		Direction of rotation	cw /ccw
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		
Phase resistance at 20°C	3,7168 Ohm		
Country of origin	CZ		

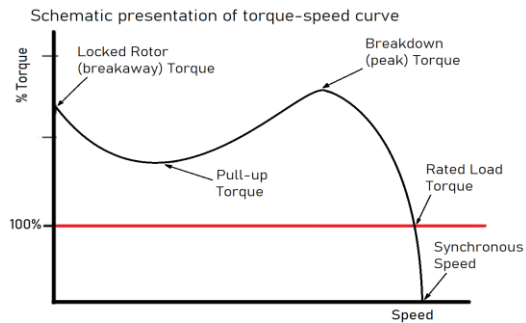
Voltage/Freq	Locked rotor Torque [nom] [%]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 400V 50Hz	230%	659%		320%	

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

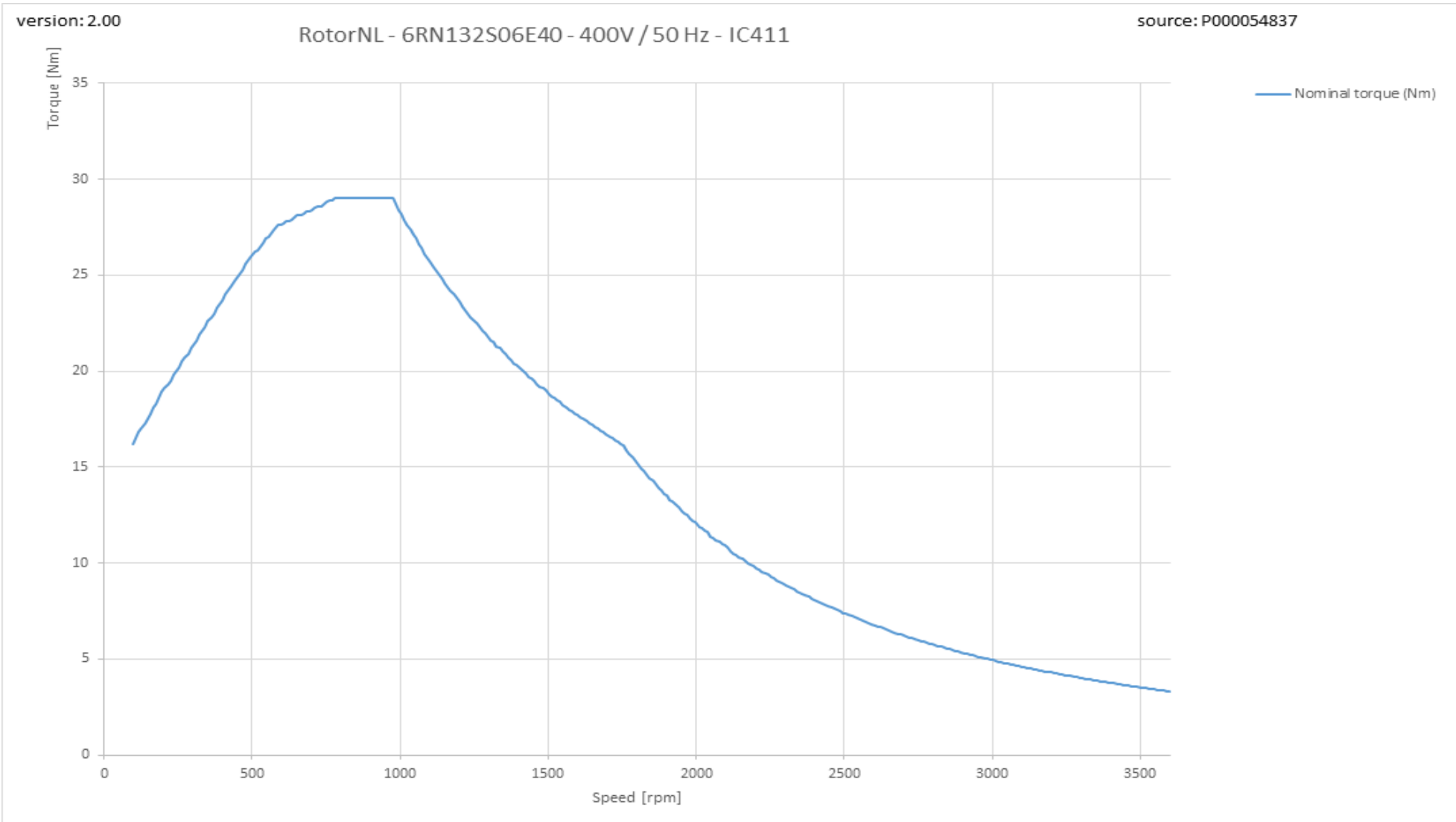
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6RN132S06E40 6-pole 3,00kW D/Y 400/690V 50Hz S1 IC411



Torque versus Speed curve with variable frequency drive



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