

PRODUCT INFORMATION PACKET

rotor nl®

Model No: 6RN132M02E37U46B2181-A

Catalog No: 6RN132M02E37U46B@2181-A

15.00 kW General Purpose Low Voltage IEC Motor IE3, 3 phase, 3000 rpm, D400/Y690V 50Hz,
132M Frame B34, IC411



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Nameplate Specifications

Output HP	20 Hp	Output KW	15.0 kW
Frequency	50 Hz	Voltage	D400/Y690 V
Current	27.00 A	Speed	2955 rpm
Service Factor	1	Phase	3
Efficiency	91.9 %	Power Factor	0.87
Duty	S1	Insulation Class	F
Frame	132M	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	IE3

Technical Specifications

Electrical Type	Squirrel Cage	Starting Method	Direct On Line
Poles	2	Rotation	Clockwise Shaft End
Mounting	B34	Motor Orientation	Any
Frame Material	Cast iron	Shaft Type	Keyed

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Datasheet



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Model No. 2-Pole cage motor 6RN 132M 15kW D400V 50Hz IM2181-FT165

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	15	20	27	2955	48	IE3	91,9			0,87			8,40	2,20	4,80
690	Y				15,6												

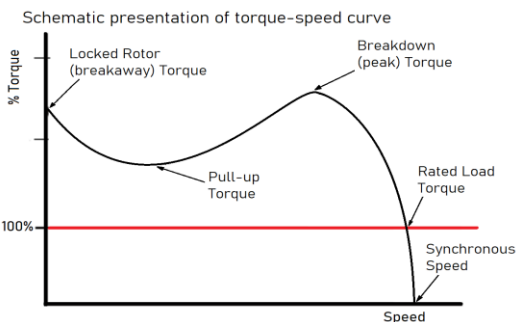
Motor type	6RN132M02E37
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	132M
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	15 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. B (80K)
Temperature rise surface	
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Degree of protection	IP55
Mounting type	IM2181-FT165
Cooling method	IC411
Motor weight - approx.	83 kg
Gross weight - approx.	85 kg
Motor inertia	0,0330 kgm²
Vibration level	according IEC60034-14

Direction of rotation	cw / ccw
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Rotor type	Cage motor
Bearing type	6308-2Z/C3WT
Type of grease	Unirex N3
Country of origin	CZ

Locked rotor Torque [% nom]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
220%	837%		480%	



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



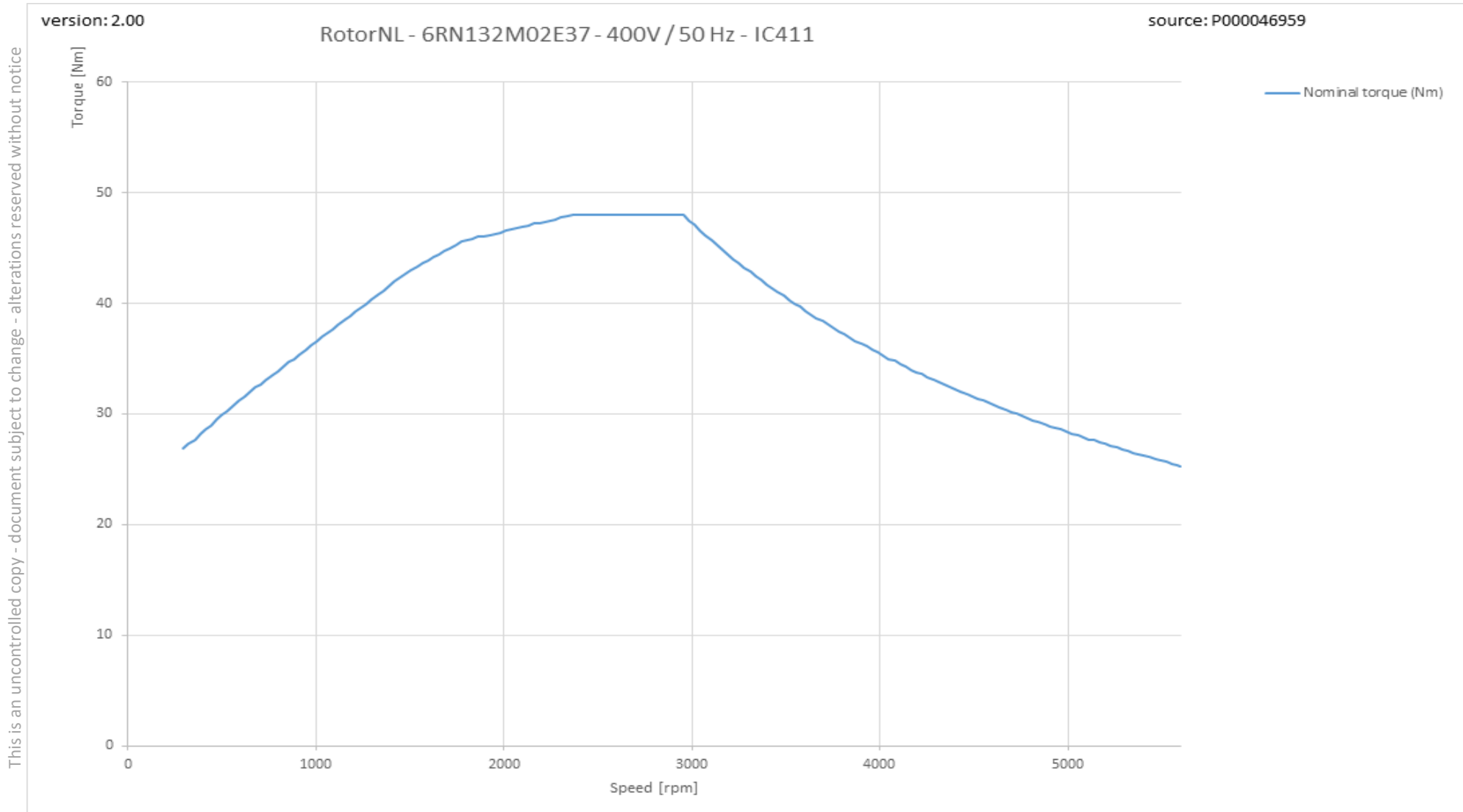
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6RN132M02E37 2-pole 15,00kW D/Y 400/690V 50Hz S1 IC411 IE3



Torque versus Speed curve with variable frequency drive



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