

# PRODUCT INFORMATION PACKET

rotor nl<sup>®</sup>

Model No: 6RN132S08E30U46B2081

Catalog No: 6RN132S08E30U46B@2081

2.20 kW General Purpose Low Voltage IEC Motor IE3, 3 phase, 750 rpm, D400/Y690V 50Hz,  
132S Frame B35, IC411



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### Nameplate Specifications

Output HP	<b>3 Hp</b>	Output KW	<b>2.2 kW</b>
Frequency	<b>50 Hz</b>	Voltage	<b>D400/Y690 V</b>
Current	<b>6.18 A</b>	Speed	<b>725 rpm</b>
Service Factor	<b>1</b>	Phase	<b>3</b>
Efficiency	<b>81.9 %</b>	Power Factor	<b>0.00</b>
Duty	<b>S1</b>	Insulation Class	<b>F</b>
Frame	<b>132S</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>No Protection</b>	Ambient Temperature	<b>40 °C</b>
Drive End Bearing Size	<b>6308-2Z/C3WT (-40°C/+160°C)</b>	Opp Drive End Bearing Size	<b>6308-2Z/C3WT (-40°C/+160°C)</b>
UL	<b>No</b>	CSA	<b>Optional</b>
CE	<b>Yes</b>	IP Code	<b>IP55</b>
Number of Speeds	<b>1</b>	Efficiency Class	<b>IE3</b>

### Technical Specifications

Electrical Type	<b>Squirrel Cage</b>	Starting Method	<b>Direct On Line</b>
Poles	<b>8</b>	Rotation	<b>Clockwise Shaft End</b>
Mounting	<b>B35</b>	Motor Orientation	<b>Any</b>
Frame Material	<b>Cast iron</b>	Shaft Type	<b>Keyed</b>
Outline Drawing	<b>6RN132S08E30_2041</b>		

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## Datasheet

rotor ni®

rotor B.V.

Mors 1-5, 7151 MX Eibergen NL  
 www.rotor.nl tel.: +31 545 464640  
 sales@rotor.nl tel.: +31 545 464646

Model No. 8-Pole cage motor 6RN 132S 2,2kW D400V 50Hz IM2081-FF265

U (V)	$\Delta$ / Y Conn	f [Hz]	P		I [A]	n [RPM]	T [Nm]	IE Class	% EFF at __ load			PF at __load			I <sub>A</sub> /I <sub>N</sub> [pu]	T <sub>A</sub> /T <sub>N</sub> [pu]	T <sub>R</sub> /T <sub>N</sub> [pu]
			[kW]	[hp]					FL	3/4FL	1/2FL	FL	3/4FL	1/2FL			
400	D	50	2,2	3	6,2	725	29	IE3						3,60	1,40	1,80	
690	Y				3,6												
460	D	60	2,55	3,418	5,6	875	27,8	IE2	83,3			0,63		3,70	1,40	1,80	

Motor type	6RN132S08E30
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	132S
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	2,2 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

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

Country of origin	CZ
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Voltage/Freq	Locked rotor Torque [% nom]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 400V 50Hz	140%	359%		180%	
@ D 460V 60Hz	140%	369%		180%	

## 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.

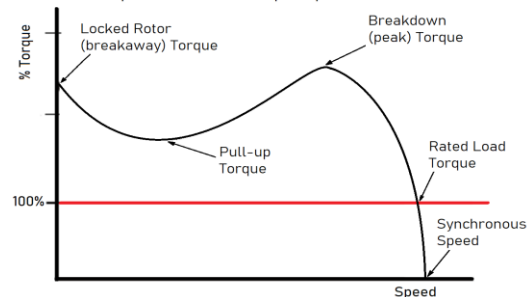
Efficiency	Europe	Global IEC
Standards	EN-IEC: 60034-30	IEC: 60034-30

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Degree of protection	IP55
Mounting type	IM2081-FF265
Cooling method	IC411
Motor weight - approx.	54 kg
Gross weight - approx.	56 kg
Motor inertia	0,0380 kgm <sup>2</sup>
Vibration level	according IEC60034-14
Noise level (pressure) acc 60034-9	64 dB(A)

Direction of rotation	cw / ccw
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Schematic presentation of torque-speed curve



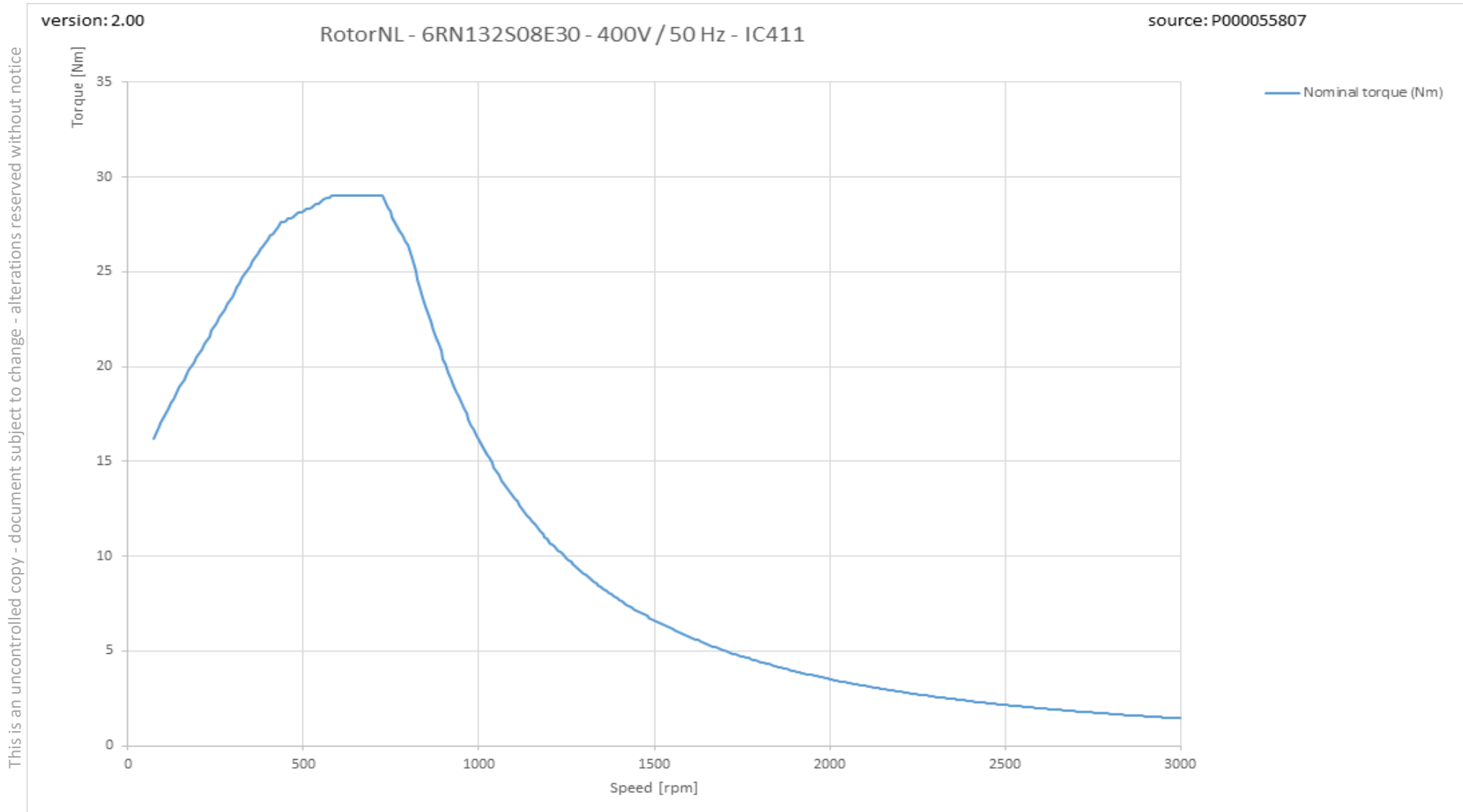
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6RN132S08E30 8-pole 2,20kW D/Y 400/690V 50Hz S1 IC411 IE3



Torque versus Speed curve with variable frequency drive



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