

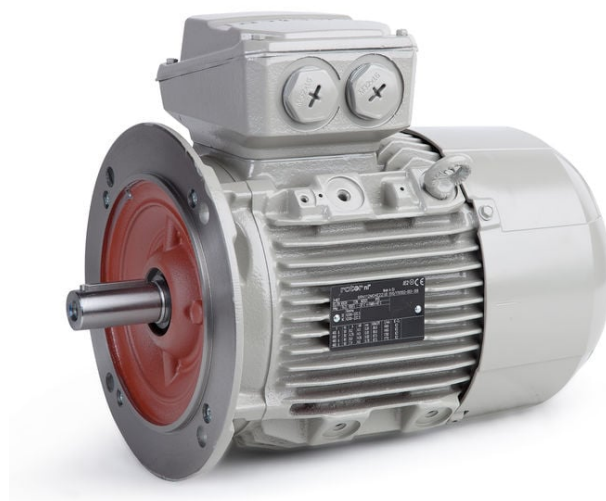
# PRODUCT INFORMATION PACKET



Model No: 6RN112M08E32U243041

Catalog No: 6RN112M08E32U24@3041

1.50 kW General Purpose Low Voltage IEC Motor IE3, 3 phase, 750 rpm, D230/Y400V 50Hz, 112 Frame B5, IC411



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## Nameplate Specifications

Efficiency Class

IE3

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## Technical Specifications

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Datasheet



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**Model No.** 8-Pole cage motor 6RN 112 1,5kW D230V 50Hz IM3041-FF215

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 <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]
									FL	3/4FL	1/2FL	FL	3/4FL	1/2FL			
230	D	50	1,5	2	7,5	720	19,9	IE3	79,7			0,63			5,10	2,60	3,10
400	Y				4,15												
265	D	60	1,5	2	6,5	875	16,3	IE3	84,0			0,59			5,79	2,90	3,60
460	Y				3,8												

Motor type	<b>6RN112M08E32</b>
Enclosure	<b>Totally Enclosed Fan Cooling</b>
Frame Material	<b>Cast iron</b>
Frame size	<b>112</b>
Duty	<b>S1</b>
Voltage	<b>230 V</b>
Frequency	<b>50 Hz</b>
Power output	<b>1,5 kW</b>
Insulation class	<b>F</b>
Ambient temperature	<b>-20 till 40 °C</b>
Temperature rise	<b>temp.rise acc. B (80K)</b>
Temperature rise surface	
Altitude above sea level	<b>1000 mtr</b>
Hazardous area classification	<b>Safe area</b>
Rotor type	<b>Cage motor</b>
Bearing type	<b>6306-2Z/C3WT</b>
Type of grease	<b>Unirex N3</b>
Phase resistance at 20°C	<b>3,4846 Ohm</b>
Country of origin	<b>CZ</b>

Voltage/Freq	Locked rotor Torque [nom]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 230V 50Hz	260%	510%		310%	
@ D 265V 60Hz	290%	583%		360%	4,75 A

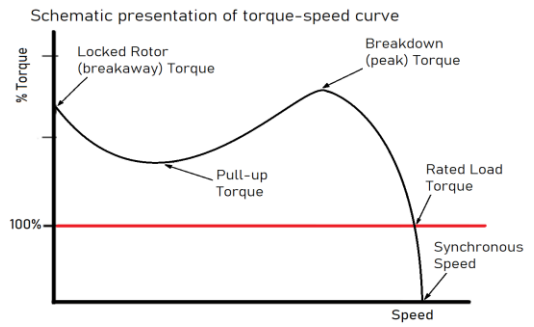
**NOTE**

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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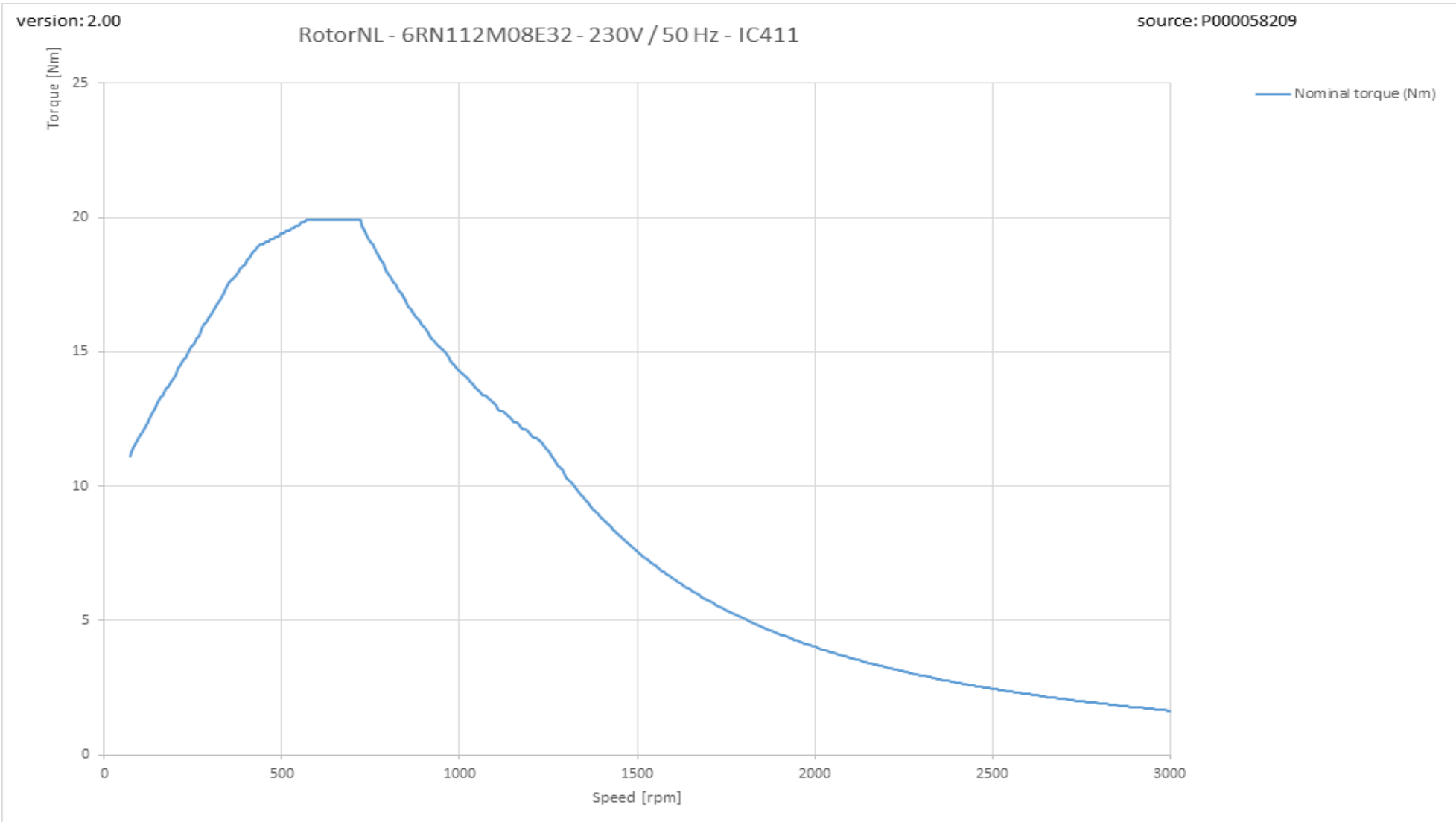
Degree of protection	<b>IP55</b>
Mounting type	<b>IM3041-FF215</b>
Cooling method	<b>IC411</b>
Motor weight - approx.	<b>48 kg</b>
Gross weight - approx.	<b>49 kg</b>
Vibration level	<b>according IEC60034-14</b>
Direction of rotation	<b>cw / ccw</b>



6RN112M08E32 8-pole 1,50kW D/Y 230/400V 50Hz S1 IC411 IE3



Torque versus Speed curve with variable frequency drive



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