

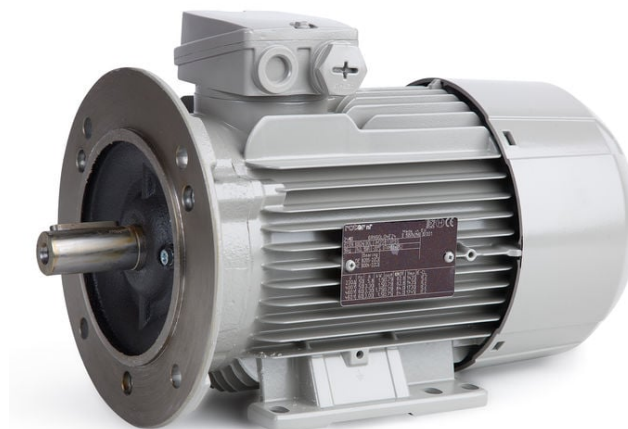
PRODUCT INFORMATION PACKET

rotor nl[®]

Model No: 6RN250M08E32U46B2021-Uni

Catalog No: 6RN250M08E32U46B@2021-Uni

30.00 kW General Purpose Low Voltage IEC Motor IE3, 3 phase, 750 rpm, D400/Y690V 50Hz,
250M Frame B35, IC411



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Nameplate Specifications

Output HP	40.00 Hp	Output KW	30.0 kW
Frequency	50 Hz	Voltage	D400/Y690 V
Current	60.00 A	Speed	735 rpm
Service Factor	1	Phase	3
Efficiency	91.3 %	Power Factor	0.79
Duty	S1	Insulation Class	F
Frame	250M	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6315/C3	Opp Drive End Bearing Size	6315/C3
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	8	Rotation	Clockwise Shaft End
Mounting	B35	Motor Orientation	Any
Frame Material	Cast iron	Shaft Type	Keyed

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Model No. 8-Pole cage motor 6RN 250M 30kW D400V 50Hz IM2021-FF500

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 _K /T _N [pu]
			[kW]	[hp]					FL	3/4FL	1/2FL	FL	3/4FL	1/2FL			
400	D	50	30	40	60	735	390	IE3	91,3	91,8	91,5	0,79	0,73	0,62	6,10	2,60	3,00
690	Y		34,6														

Motor type	6RN250M08E32
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	250M
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	30 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	IM2021-FF500
Cooling method	IC411
Motor weight - approx.	420 kg
Gross weight - approx.	430 kg
Motor inertia	0,8400 kgm²
Vibration level	according IEC60034-14
Direction of rotation	cw / ccw

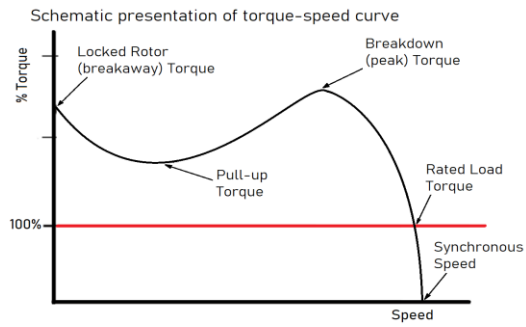
Rotor type	Cage motor
Bearing type	6315/C3 - 6315/C3
Lubrication method	25gr/8000hrs
Type of grease	Unirex N3

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 400V 50Hz	260%	610%		300%	

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



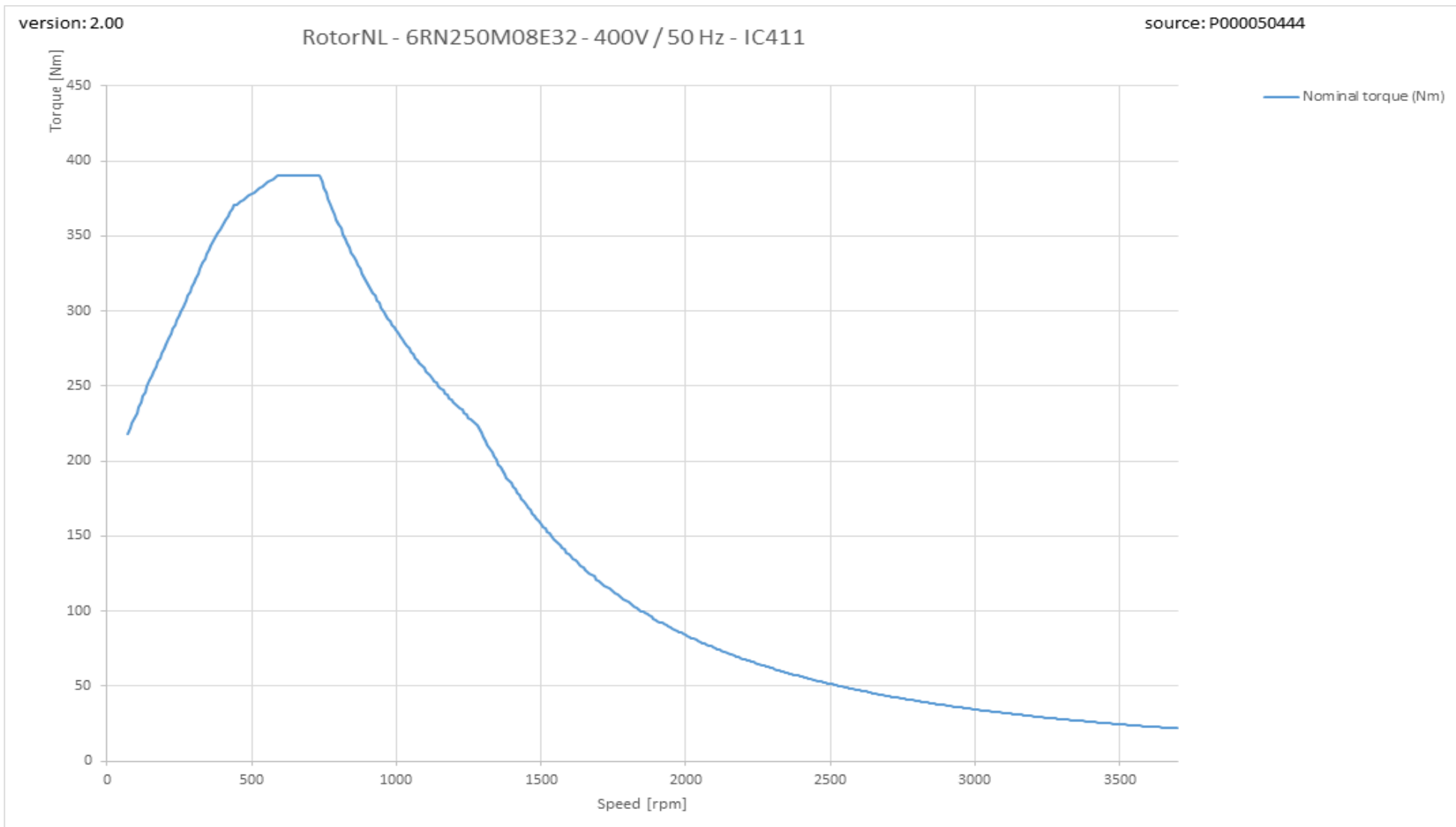
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6RN250M08E32 8-pole 30,00kW D/Y 400/690V 50Hz S1 IC411 IE3



Torque versus Speed curve with variable frequency drive



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