

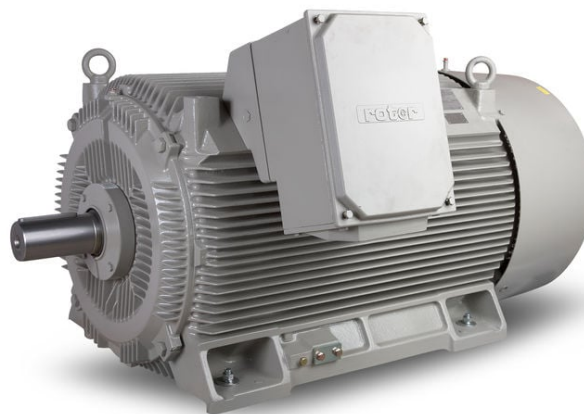
PRODUCT INFORMATION PACKET



Model No: 6RN225S08E30U461041

Catalog No: 6RN225S08E30U46@1041

18.50 kW General Purpose Low Voltage IEC Motor IE3, 3 phase, 750 rpm, D400/Y690V 50Hz,
225S Frame B3, IC411



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Nameplate Specifications

Output HP	25.00 Hp	Output KW	18.5 kW
Frequency	50 Hz	Voltage	D400/Y690 V
Current	39.50 A	Speed	732 rpm
Service Factor	1	Phase	3
Efficiency	90.1 %	Power Factor	0.75
Duty	S1	Insulation Class	F
Frame	225S	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6313/C3	Opp Drive End Bearing Size	6313/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	B3	Motor Orientation	Any
Frame Material	Cast iron	Shaft Type	Keyed

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Model No. 8-Pole cage motor 6RN 225S 18,5kW D400V 50Hz IM1041

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 _A /I _N [pu]	T _A /T _N [pu]	T _K /T _N [pu]
FL	3/4FL	1/2FL	FL	3/4FL	1/2FL												
400	D	50	18,5	24,8	39,5	732	241	IE3	90,1	90,6	90,0	0,75	0,68	0,56	5,90	2,50	3,00
690	Y																

Motor type	6RN225S08E30
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	225S
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	18,5 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	6313/C3
Lubrication method	22gr/16000hrs
Type of grease	Unirex N3

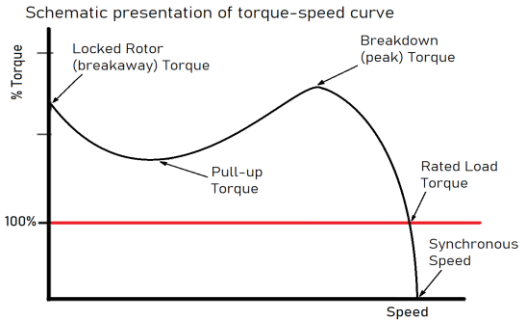
Country of origin	CZ
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Voltage/Freq	Locked rotor Torque [nom] [%]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 400V 50Hz	250%	589%		300%	

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

Degree of protection	IP55
Mounting type	IM1041
Cooling method	IC411
Motor weight - approx.	280 kg
Gross weight - approx.	290 kg
Motor inertia	0,5000 kgm²
Vibration level	according IEC60034-14
Direction of rotation	cw /ccw

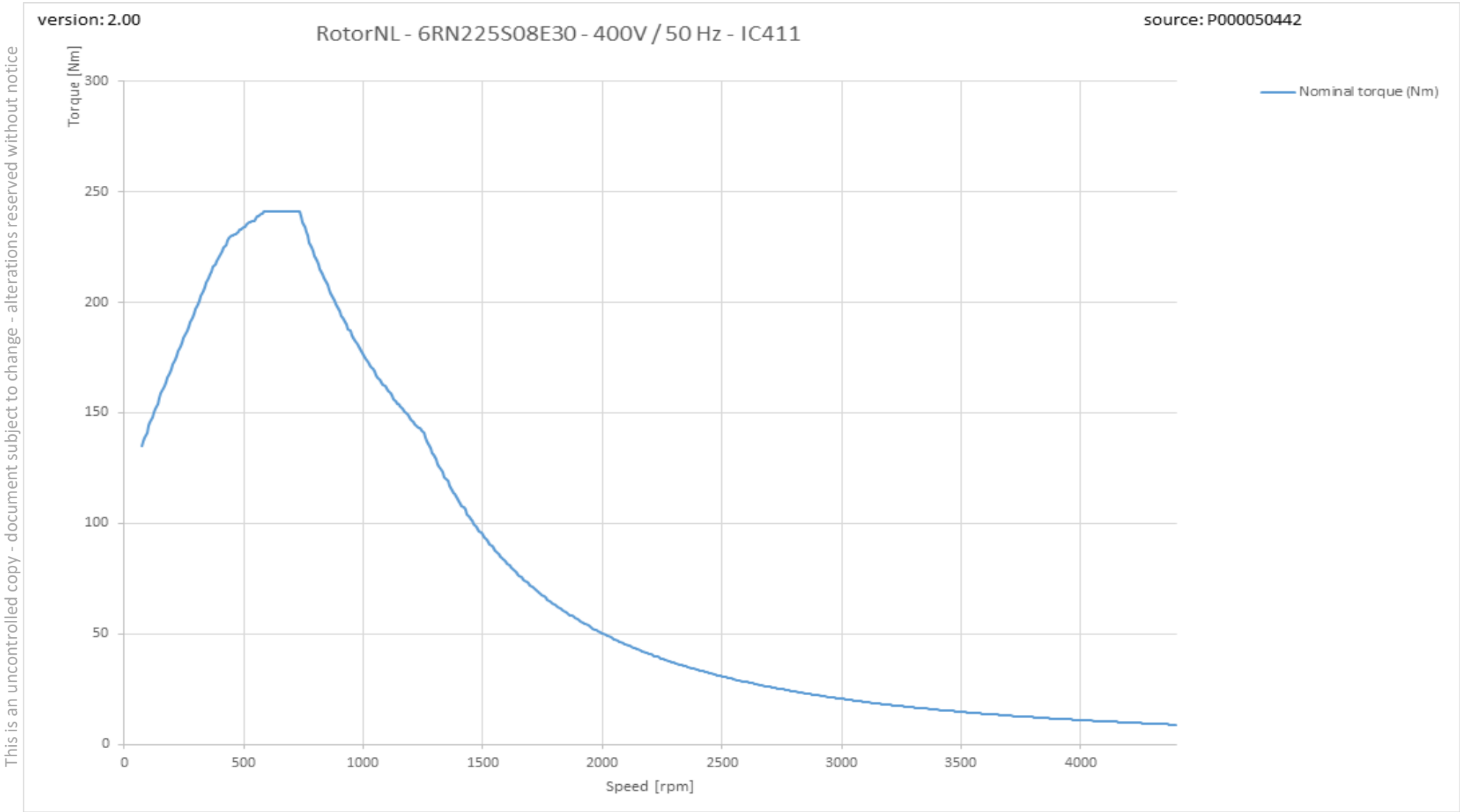


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6RN225S08E30 8-pole 18,50kW D/Y 400/690V 50Hz S1 IC411 IE3



Torque versus Speed curve with variable frequency drive



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