

PRODUCT INFORMATION PACKET

rotor nl[®]

Model No: 6RN200L02E34U243021

Catalog No: 6RN200L02E34U24@3021

30.00 kW General Purpose Low Voltage IEC Motor IE3, 3 phase, 3000 rpm, D230/Y400V 50Hz,
200L Frame B5, IC411



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Nameplate Specifications

Efficiency Class

IE3

Technical Specifications

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Datasheet



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

Model No. 2-Pole cage motor 6RN 200L 30kW D230V 50Hz IM3021-FF350

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			
230	D	50	30	40	92,3	2955	96,8	IE3	94,5	94,8	94,5	0,87	0,83	0,75	7,06	2,38	3,25
400	Y				53,3												

Motor type	6RN200L02E34	Degree of protection	IP55
Enclosure	Totally Enclosed Fan Cooling	Mounting type	IM3021-FF350
Frame Material	Cast iron	Cooling method	IC411
Frame size	200L	Motor weight - approx.	225 kg
Duty	S1	Gross weight - approx.	232 kg
Voltage	230 V	Motor inertia	0,1300 kgm²
Frequency	50 Hz	Vibration level	according IEC60034-14
Power output	30 kW	Noise level (pressure) acc 60034-9	73,3 dB(A)
Insulation class	F		
Ambient temperature	-20 till 40 °C		
Temperature rise	temp.rise acc. B (80K)		
Temperature rise winding	57 K		
Temperature rise surface	25 K		
Altitude above sea level	1000 mtr	Direction of rotation	cw / ccw
Hazardous area classification	Safe area		

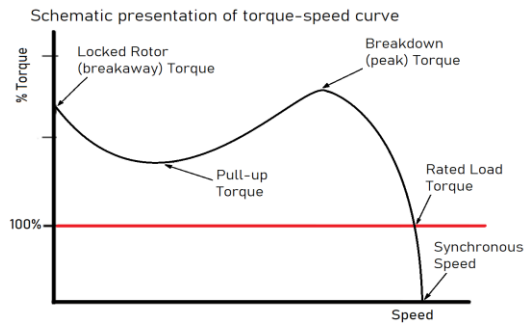
Rotor type	Cage motor
Bearing type	6312-2Z/C3WT
Type of grease	Unirex N3
Country of origin	CZ

Voltage/Freq	Locked rotor Torque [nom] [%]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 230V 50Hz	238%	705%	210%	325%	30,2 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



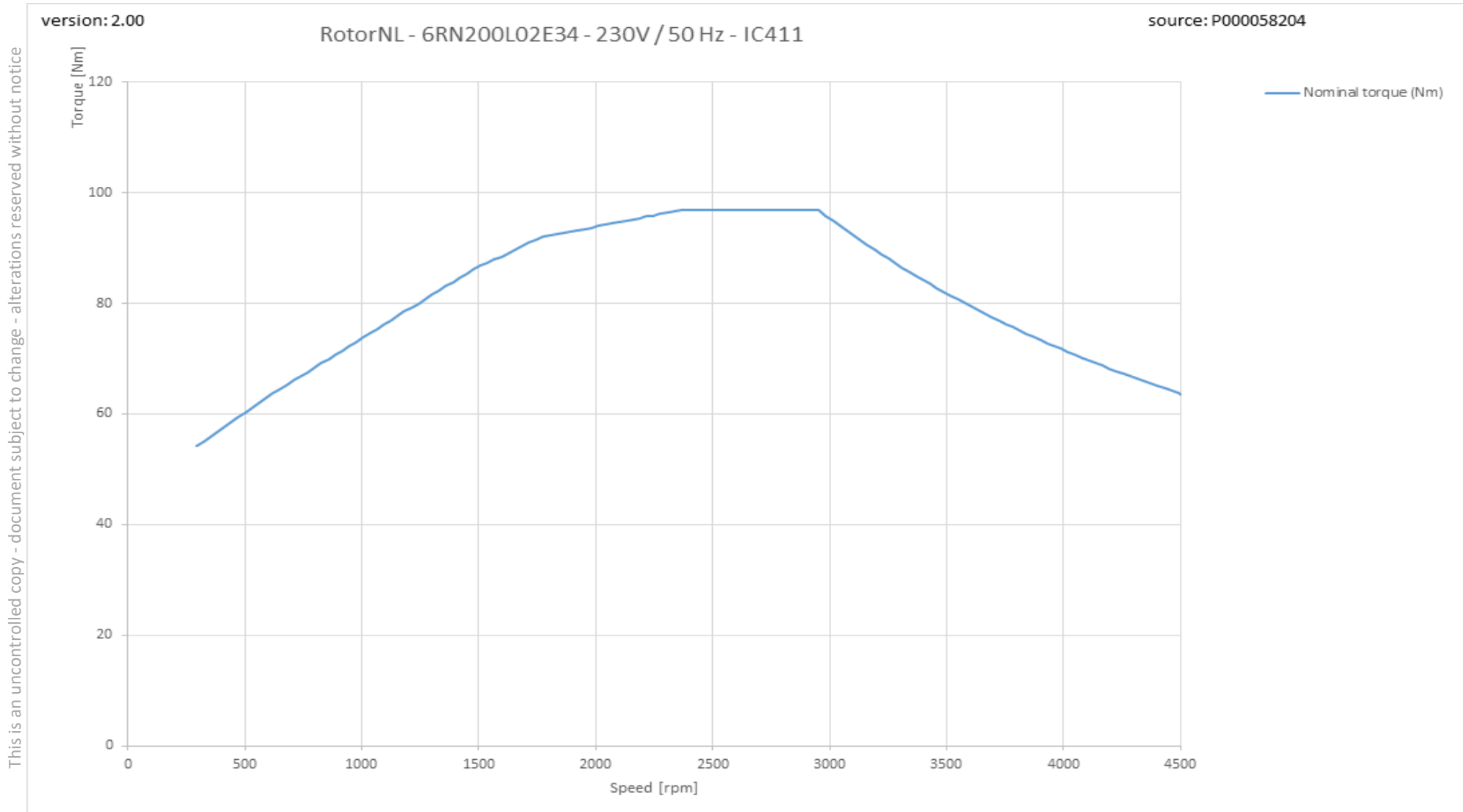
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6RN200L02E34 2-pole 30,00kW D/Y 230/400V 50Hz S1 IC411 IE3



Torque versus Speed curve with variable frequency drive



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Therm_VSD graph

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