

PRODUCT INFORMATION PACKET

rotor nl[®]

Model No: 6RN200L02E44U243021

Catalog No: 6RN200L02E44U24@3021

30.00 kW General Purpose Low Voltage IEC Motor IE4, 3 phase, 3000 rpm, D230/Y400V 50Hz,
200L Frame B5, IC411

Regal and Rotor nl are trademarks of Regal Rexnord Corporation or one of its affiliated companies.
©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E

RegalRexnord



Nameplate Specifications

Technical Specifications

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:01/19/2023

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	94,1	2951	97	IE3	94,2			0,86			7,95	2,73	3,93
400	Y				54,3												

Motor type	6RN200L02E44	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.	222 kg
Duty	S1	Gross weight - approx.	229 kg
Voltage	230 V	Motor inertia	0,1300 kgm ²
Frequency	50 Hz	Vibration level	according IEC60034-14
Power output	30 kW	Noise level (pressure) acc 60034-9	71 dB(A)
Insulation class	F		
Ambient temperature	-20 till 40 °C		
Temperature rise	temp.rise acc. B (80K)		
Temperature rise winding	56 K		
Temperature rise surface			
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

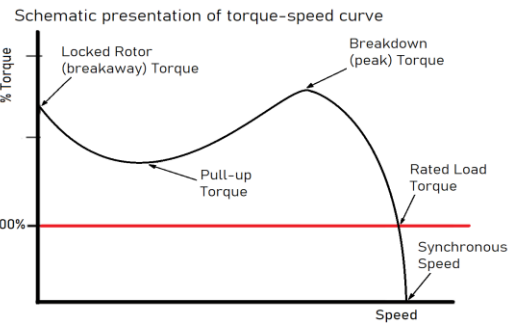
Voltage/Freq	Locked rotor Torque [nom] [%]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 230V 50Hz	273%	794%	250%	393%	35,7 A

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

This is an uncontrolled copy, data can be changed anytime.

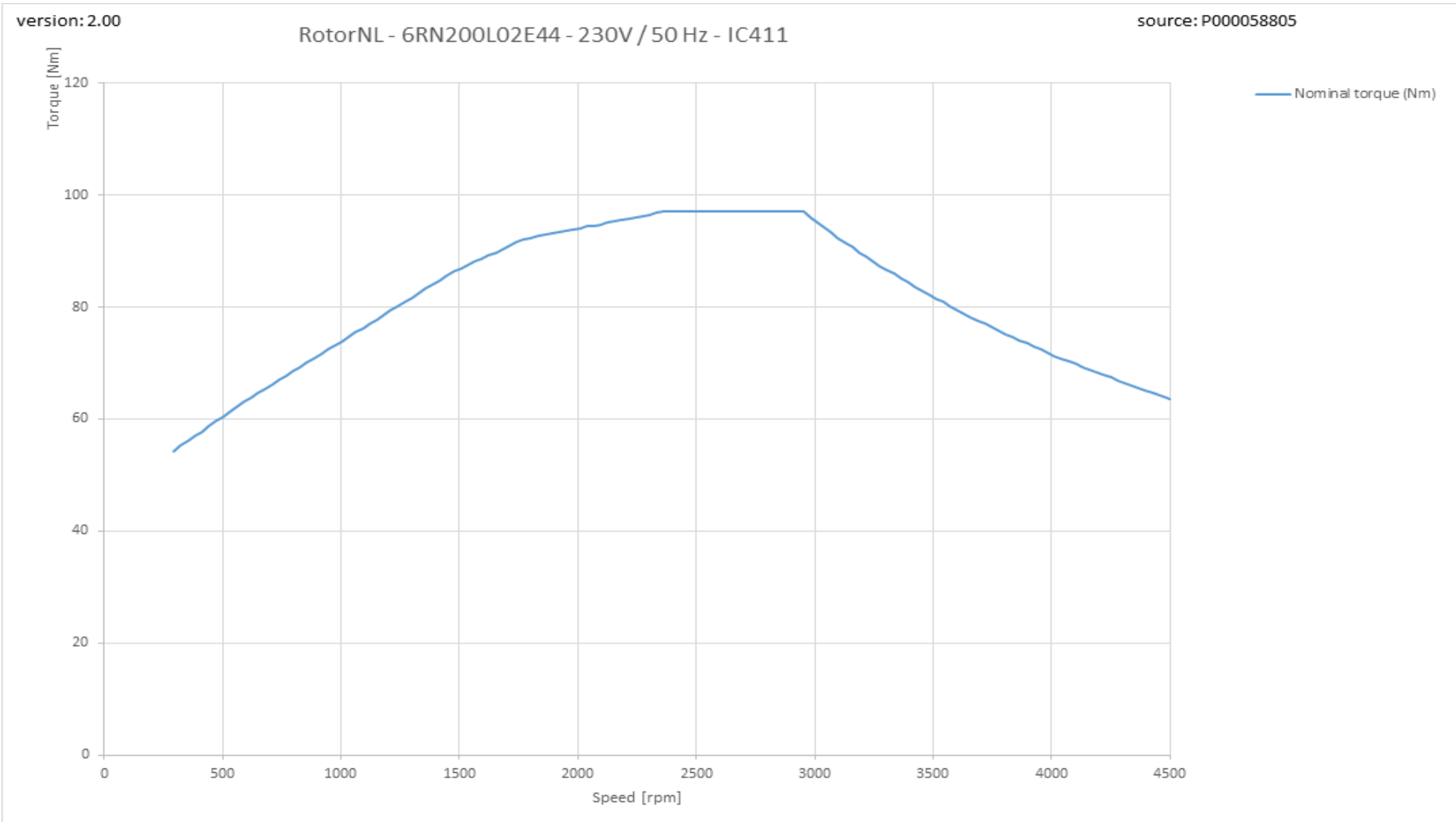


6RN200L02E44 2-pole 30,00kW D/Y 230/400V 50Hz S1 IC411 IE3

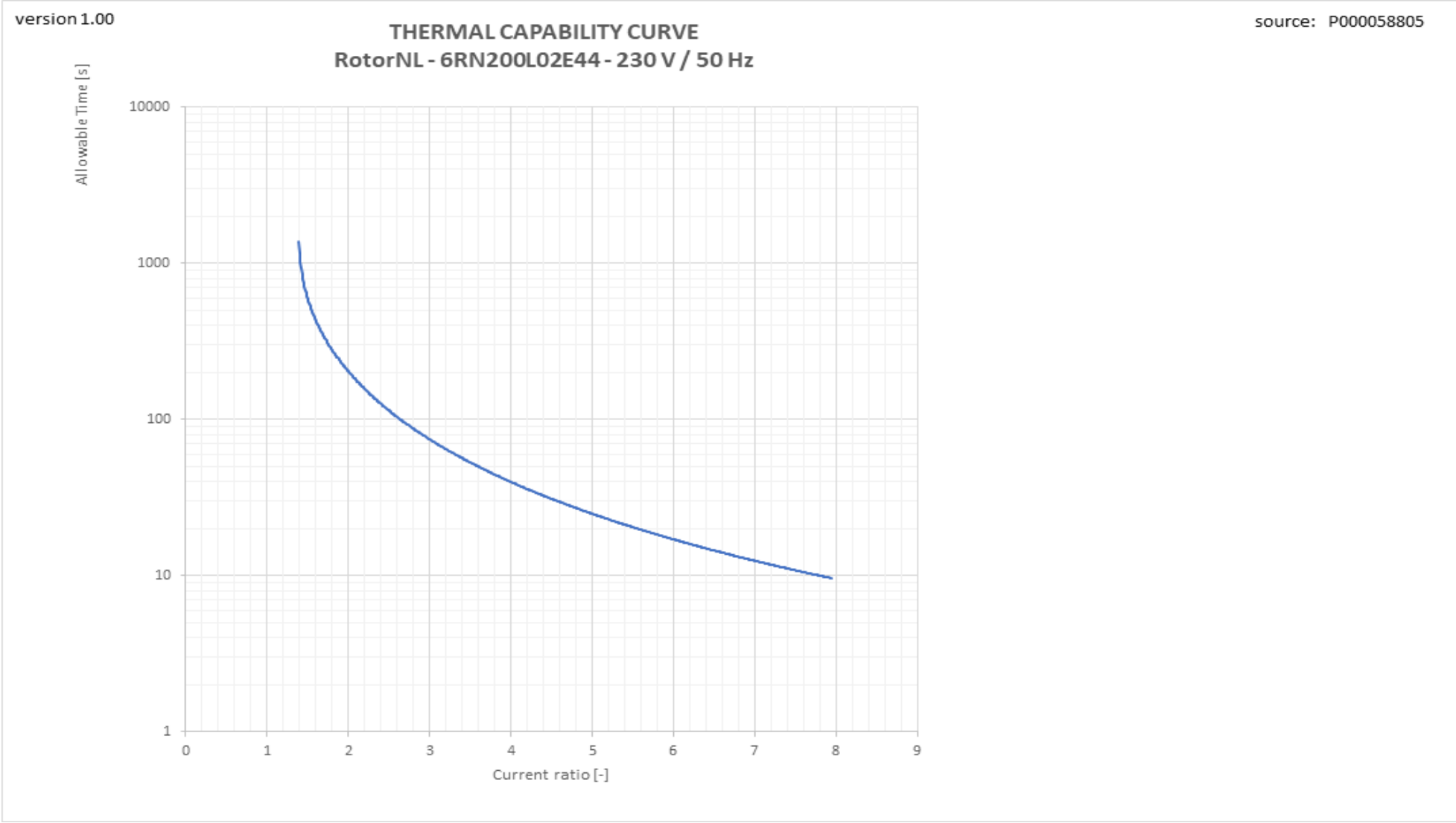


Torque versus Speed curve with variable frequency drive

This is an uncontrolled copy - document subject to change - alterations reserved without notice



Therm_VSD graph



This is an uncontrolled copy - document subject to change - alterations reserved without notice