

PRODUCT INFORMATION PACKET



Model No: 6RN160L04E44U241081

Catalog No: 6RN160L04E44U24@1081

15.00 kW General Purpose Low Voltage IEC Motor IE4, 3 phase, 1500 rpm, D230/Y400V 50Hz,
160L Frame B3, IC411

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Nameplate Specifications

Technical Specifications

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Datasheet



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Model No. 4-Pole cage motor 6RN 160L 15kW D230V 50Hz IM1081

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	15	20	50,5	1478	96,8	IE3	93,7			0,80			9,13	3,66	4,31
400	Y				29,2												

Motor type	6RN160L04E44	Degree of protection	IP55
Enclosure	Totally Enclosed Fan Cooling	Mounting type	IM1081
Frame Material	Cast iron	Cooling method	IC411
Frame size	160L	Motor weight - approx.	138 kg
Duty	S1	Gross weight - approx.	142 kg
Voltage	230 V	Motor inertia	0,1100 kgm²
Frequency	50 Hz	Vibration level	according IEC60034-14
Power output	15 kW	Noise level (pressure) acc 60034-9	63 dB(A)
Insulation class	F		
Ambient temperature	-20 till 40 °C		
Temperature rise	temp.rise acc. B (80K)		
Temperature rise winding	42 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	6309-2Z/C3WT
Type of grease	Unirex N3
Country of origin	CZ

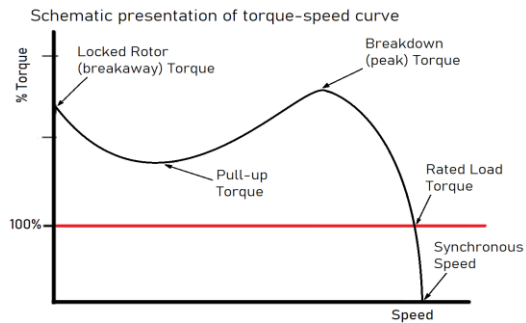
Voltage/Freq	Locked rotor Torque [% nom]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 230V 50Hz	366%	914%	297%	431%	26 A

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

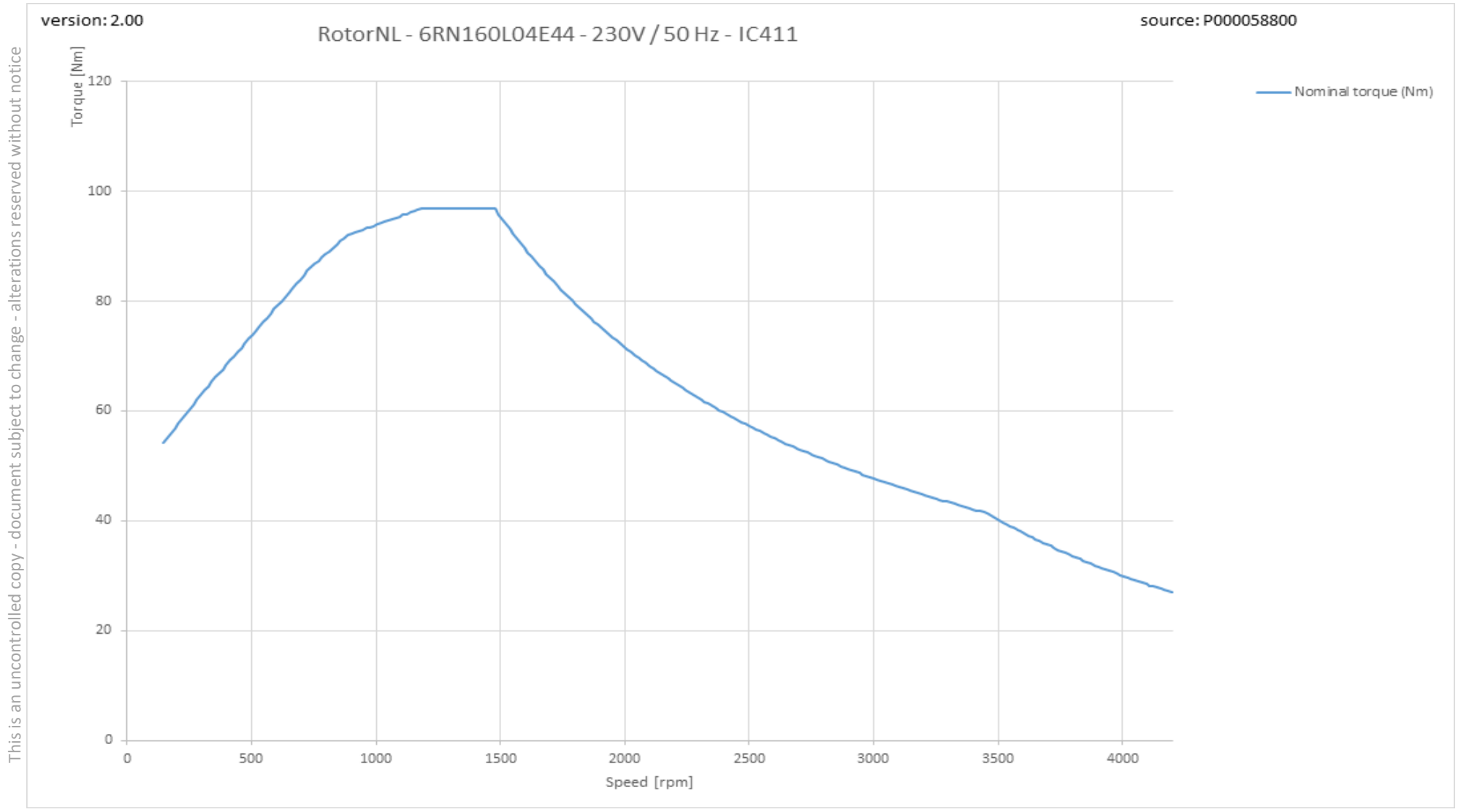
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6RN160L04E44 4-pole 15,00kW D/Y 230/400V 50Hz S1 IC411 IE3

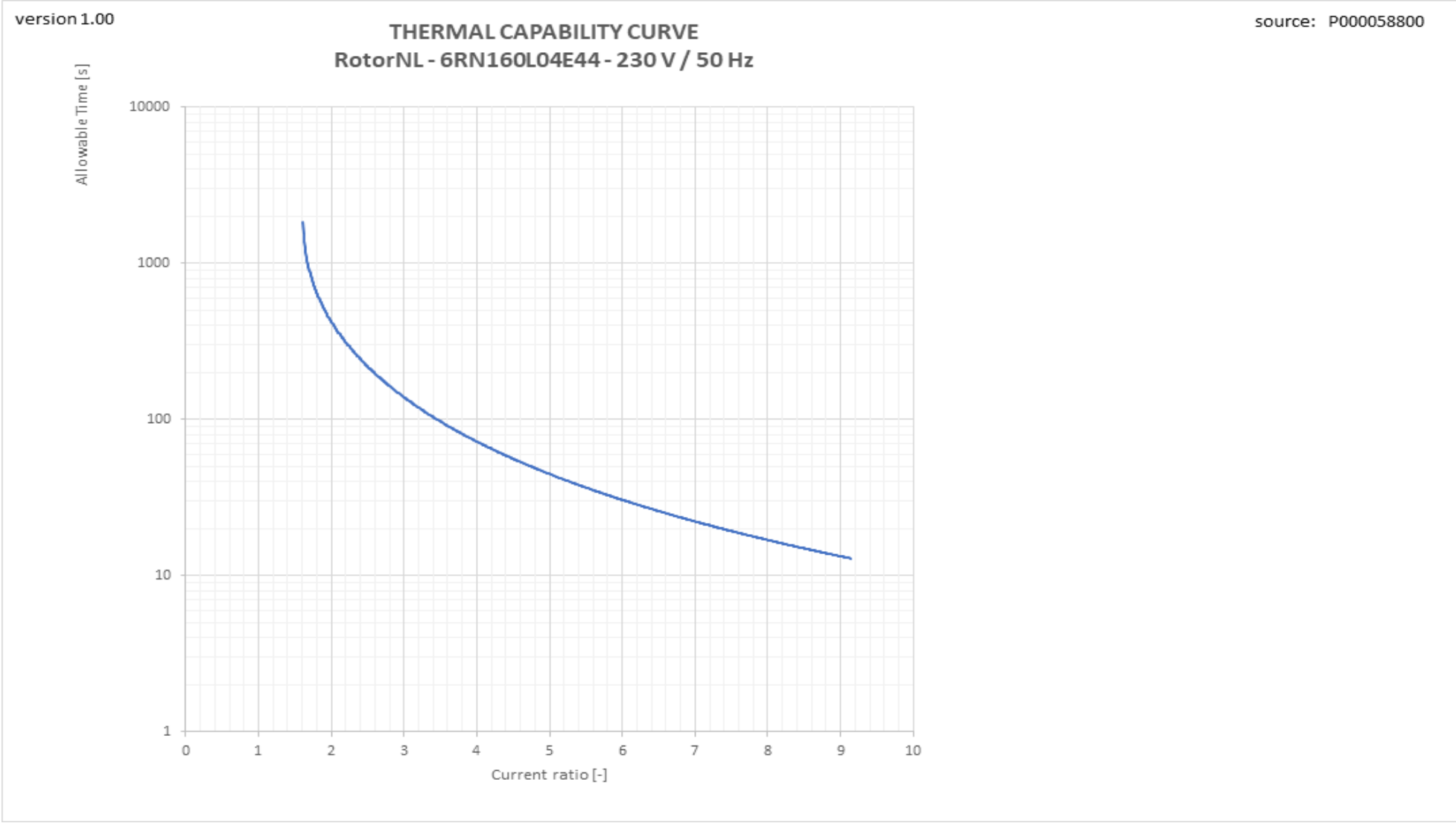


Torque versus Speed curve with variable frequency drive



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Therm_VSD graph



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