

PRODUCT INFORMATION PACKET



Model No: 6RN200L06E34U241041

Catalog No: 6RN200L06E34U24@1041

18.50 kW General Purpose Low Voltage IEC Motor IE3, 3 phase, 1000 rpm, D230/Y400V 50Hz,
200L Frame B3, IC411



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Nameplate Specifications

Efficiency Class	IE3
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Technical Specifications

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Datasheet

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Model No. 6-Pole cage motor 6RN 200L 18,5kW D230V 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			
230	D	50	18,5	24,8	64,2	978	181	IE3	92,2	93,0	92,9	0,79	0,74	0,63	5,70	2,50	2,60
400	Y				37,1												
265	D	60	22	30	65,1	1175	178	IE2	92,4	93,2	93,1	0,80	0,76	0,65	5,76	2,28	2,40
	Y				37,6												

Motor type	6RN200L06E34
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	200L
Duty	S1
Voltage	230 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 winding	52 K
Temperature rise surface	26 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Rotor type	Cage motor
Bearing type	6312-2Z/C3WT

Type of grease	Unirex N3
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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 230V 50Hz	250%	571%	210%	260%	28 A
@ D 265V 60Hz	228%	574%	190%	240%	25,6 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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Degree of protection	IP55
Mounting type	IM1041
Cooling method	IC411
Motor weight - approx.	215 kg
Gross weight - approx.	221 kg
Motor inertia	0,2800 kgm ²
Vibration level	according IEC60034-14
Noise level (pressure) acc 60034-9	57 dB(A)

Direction of rotation	cw / ccw
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Schematic presentation of torque-speed curve



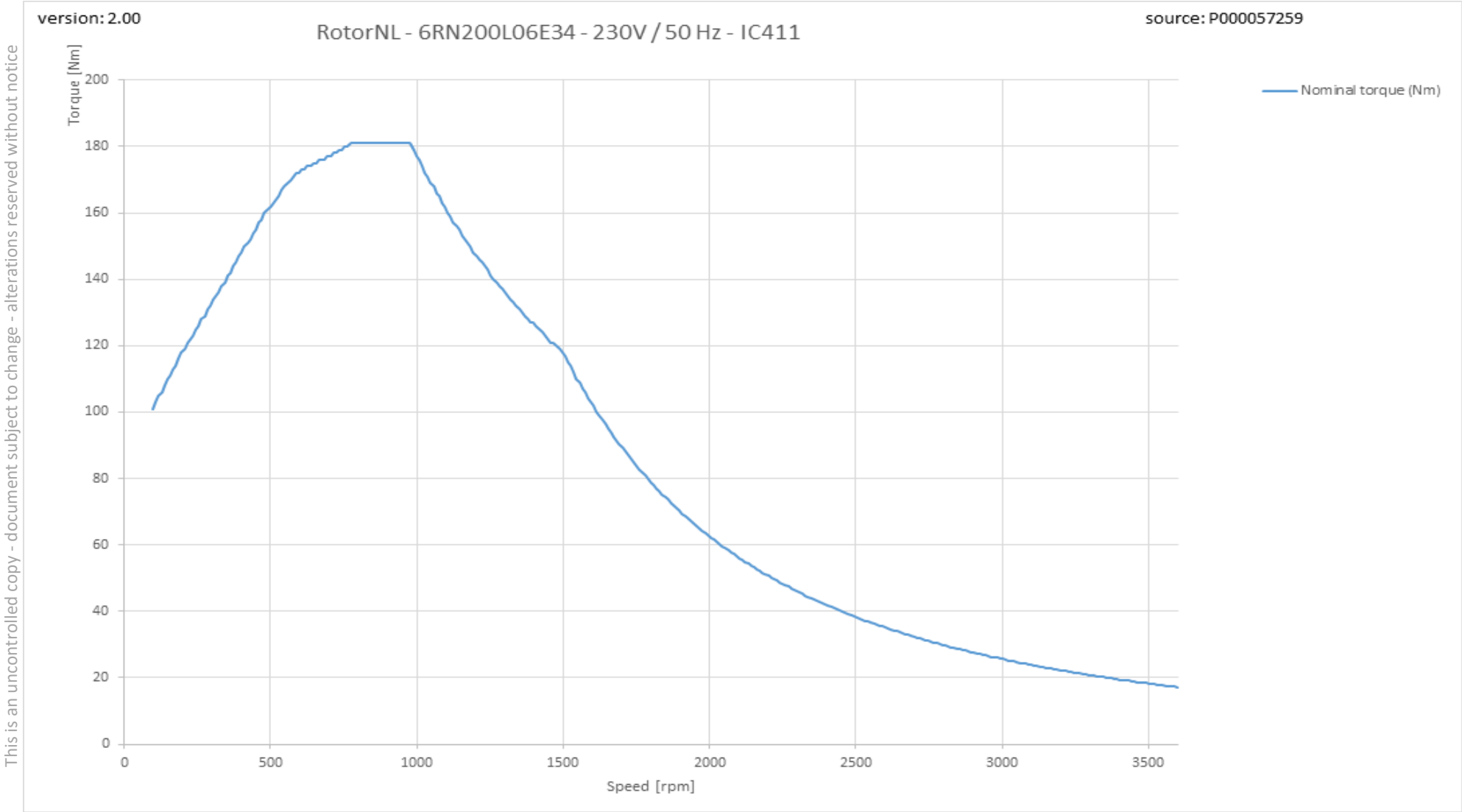
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6RN200L06E34 6-pole 18,50kW D/Y 230/400V 50Hz S1 IC411 IE3

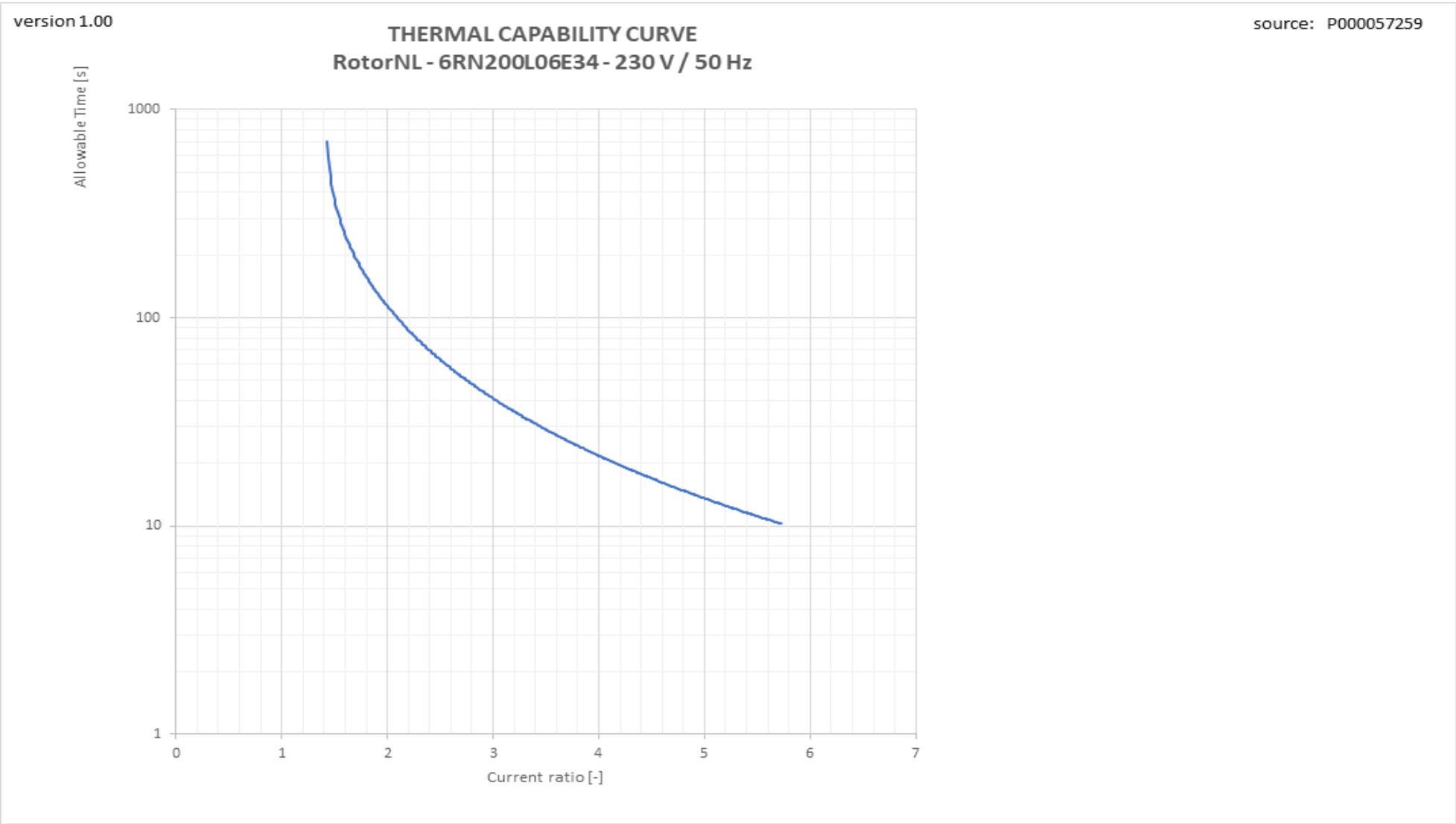


Torque versus Speed curve with variable frequency drive



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Therm_VSD graph



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