

PRODUCT INFORMATION PACKET

rotor nl®

Model No: 6RN132M06E33U241081

Catalog No: 6RN132M06E33U24@1081

5.50 kW General Purpose Low Voltage IEC Motor IE3, 3 phase, 1000 rpm, D230/Y400V 50Hz,
132M Frame B3, IC411



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Nameplate Specifications

Efficiency Class	IE3
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Technical Specifications

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Datasheet

rotor nl®

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Model No. 6-Pole cage motor 6RN 132M 5,5kW D230V 50Hz IM1081

U (V)	Δ / Y Conn	f [Hz]	P [kW]	P [hp]	I [A]	n [RPM]	T [Nm]	IE Class	% EFF at __ load FL 3/4FL 1/2FL	PF at __load FL 3/4FL 1/2FL	I _A /I _N [pu]	T _A /T _N [pu]	T _K /T _N [pu]
230	D	50	5,5	7 1/3	20	970	54	IE3	88,0	0,78	6,33	1,88	2,93
400	Y				11,6								
265	D	60	6,3	8,445	20,5	1171	51,4	IE2	89,2	0,79	6,18	1,80	2,91

Motor type	6RN132M06E33
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	132M
Duty	S1
Voltage	230 V
Frequency	50 Hz
Power output	5,5 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. B (80K)
Temperature rise winding	56 K
Temperature rise surface	35 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Rotor type	Cage motor
Bearing type	6308-2Z/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	188%	630%	145%	293%	9,3 A
@ D 265V 60Hz	180%	614%	136%	291%	8,26 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

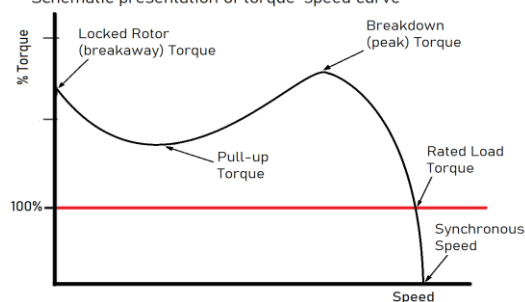
Technical data are subject to change. There may be discrepancies between calculated and name plate values.

Efficiency	Europe	Global IEC
Standards	EN-IEC: 60034-30	IEC: 60034-30

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Degree of protection	IP55
Mounting type	IM1081
Cooling method	IC411
Motor weight - approx.	68 kg
Gross weight - approx.	70 kg
Motor inertia	0,0460 kgm ²
Vibration level	according IEC60034-14
Direction of rotation	cw / ccw

Schematic presentation of torque-speed curve



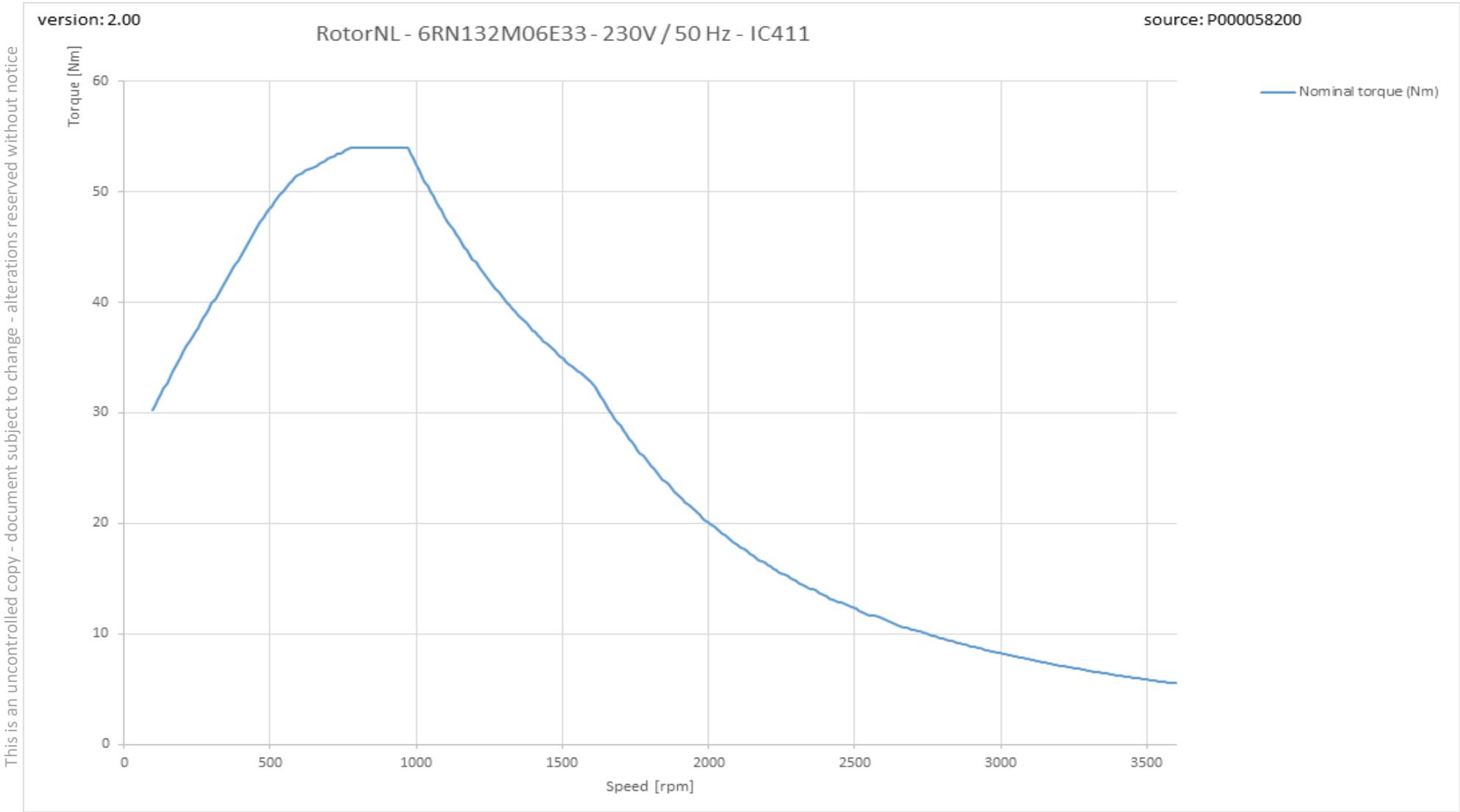
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6RN132M06E33 6-pole 5,5kW D/Y 230/400V 50Hz S1 IC411 IE3

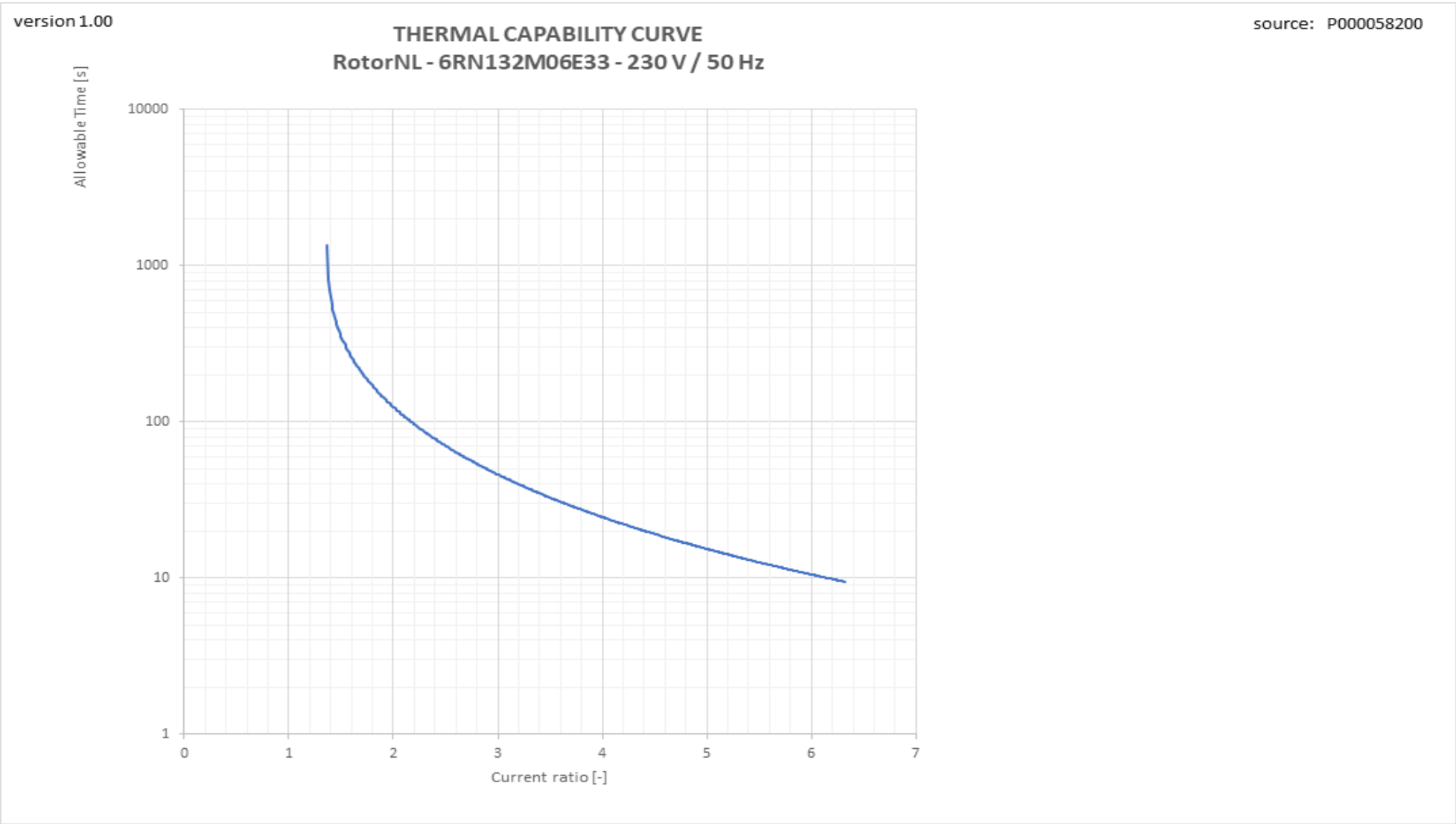


Torque versus Speed curve with variable frequency drive



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Therm_VSD graph



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