

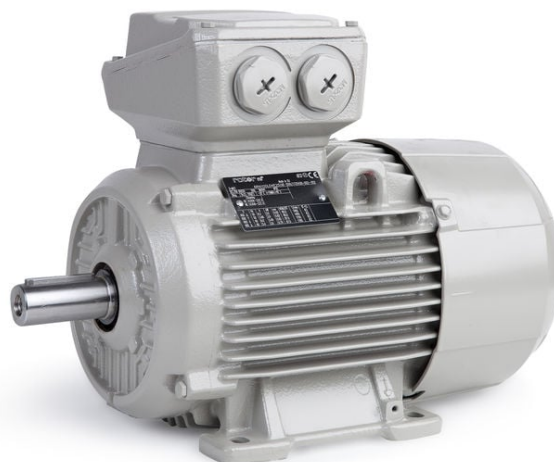
PRODUCT INFORMATION PACKET



Model No: 6RN100L08E35U241081

Catalog No: 6RN100L08E35U24@1081

1.10 kW General Purpose Low Voltage IEC Motor IE3, 3 phase, 750 rpm, D230/Y400V 50Hz, 100 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®

rotor B.V.

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

Model No. 8-Pole cage motor 6RN 100 1,1kW 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	1,1	1 1/2	5,3	705	14,8	IE3	78,2	0,67	4,12	1,95	2,50
400	Y				3								
265	D	60	1,27	1,702	5,1	860	14	IE3	80,9	0,68	4,39	1,93	2,59
460	Y				3								

Motor type	6RN100L08E35
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	100
Duty	S1
Voltage	230 V
Frequency	50 Hz
Power output	1,1 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. B (80K)
Temperature rise winding	43 K
Temperature rise surface	31 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Rotor type	Cage motor
Bearing type	6306-2Z/C3WT

Type of grease	Unirex N3
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Phase resistance at 20°C	6,2222 Ohm
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	195%	409%		250%	3,55 A
@ D 265V 60Hz	193%	443%		259%	3,32 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

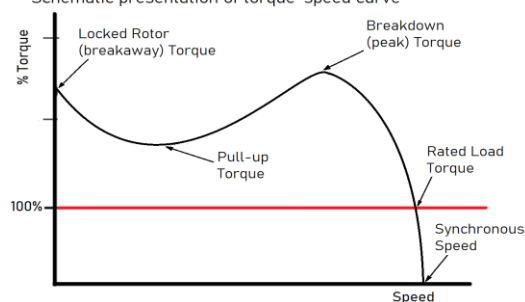
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Degree of protection	IP55
Mounting type	IM1081
Cooling method	IC411
Motor weight - approx.	40 kg
Gross weight - approx.	41 kg

Vibration level	according IEC60034-14
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Direction of rotation	cw / ccw
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Schematic presentation of torque-speed curve



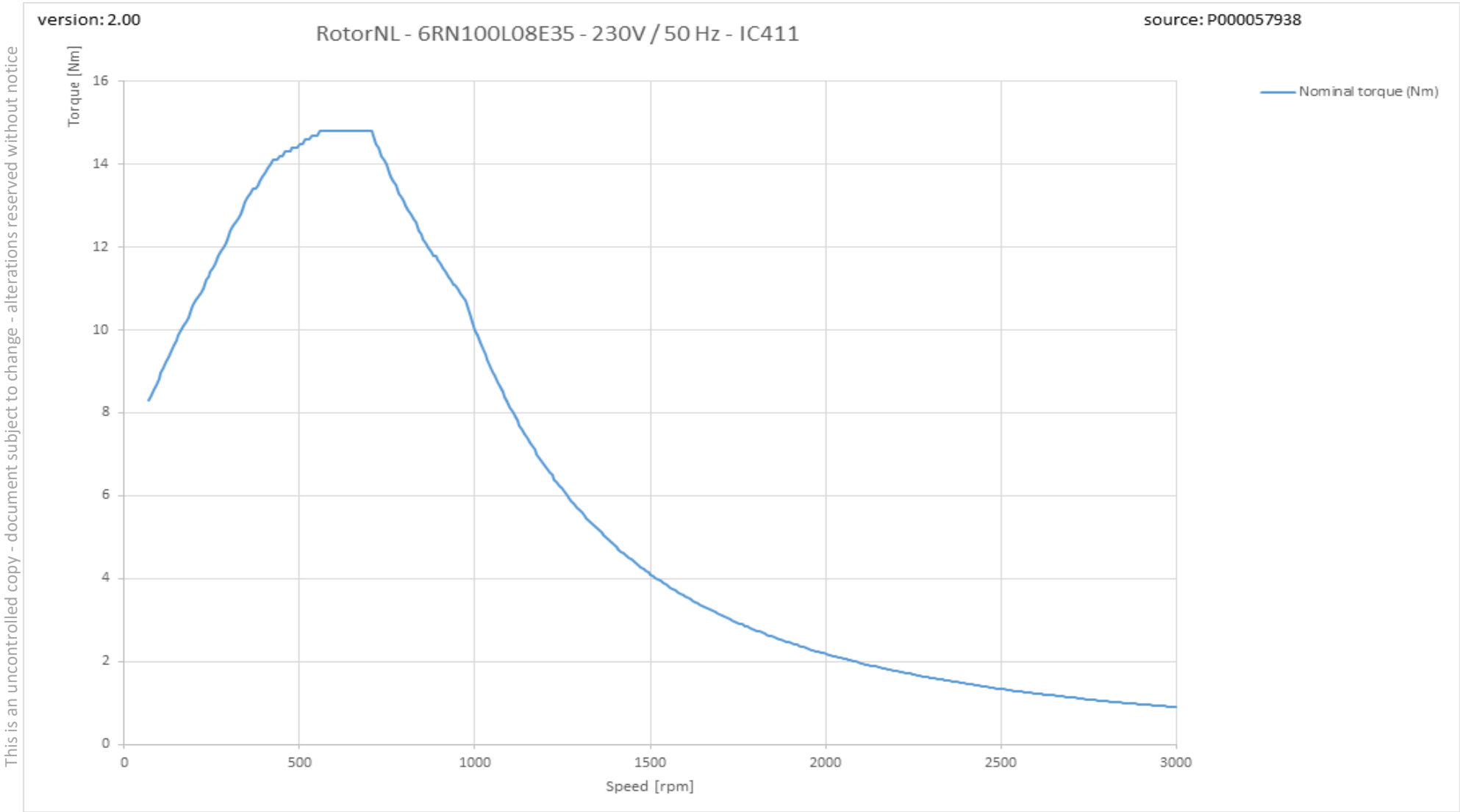
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6RN100L08E35 8-pole 1,10kW D/Y 230/400V 50Hz S1 IC411 IE3

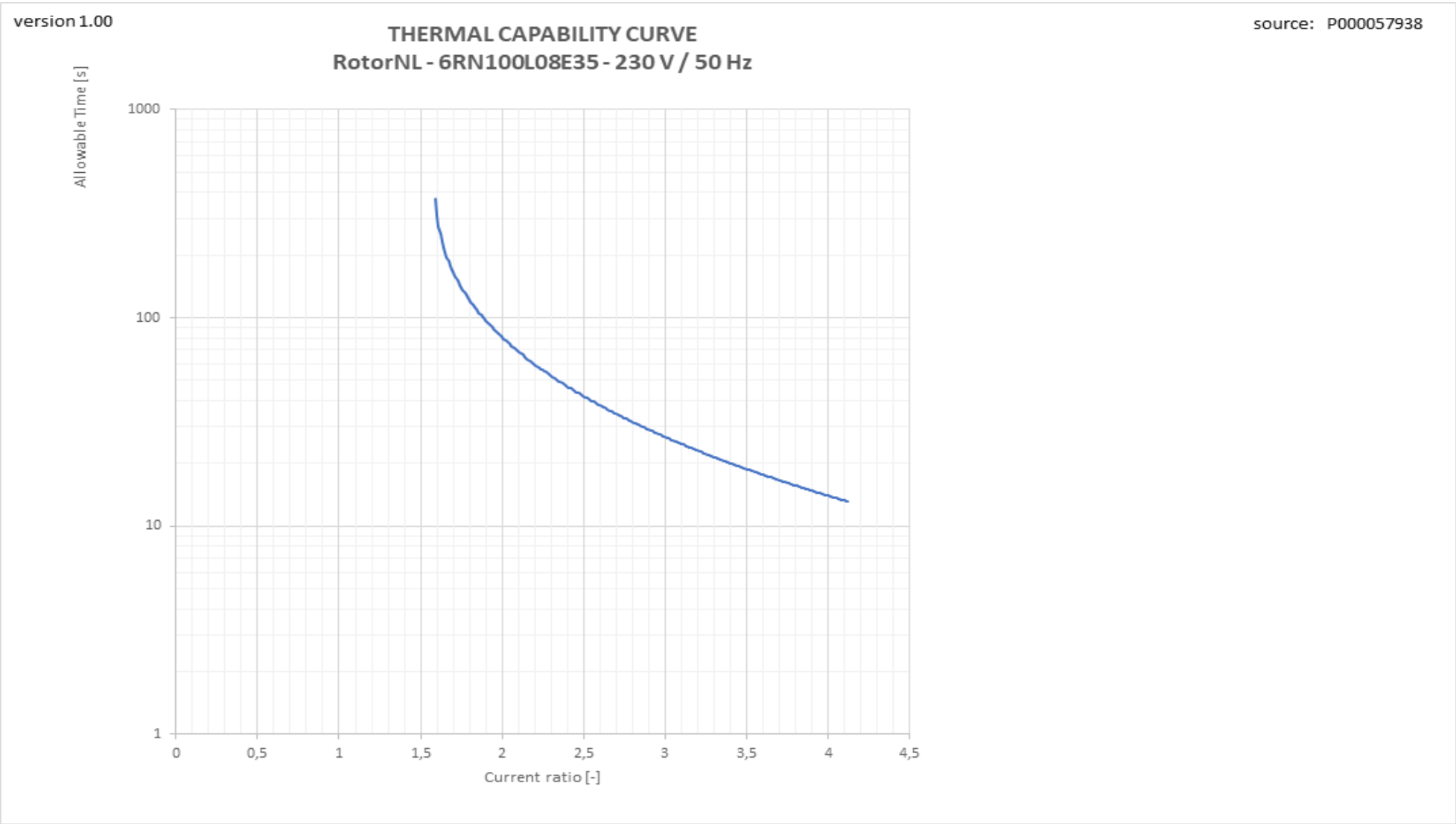


Torque versus Speed curve with variable frequency drive



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Therm_VSD graph



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