

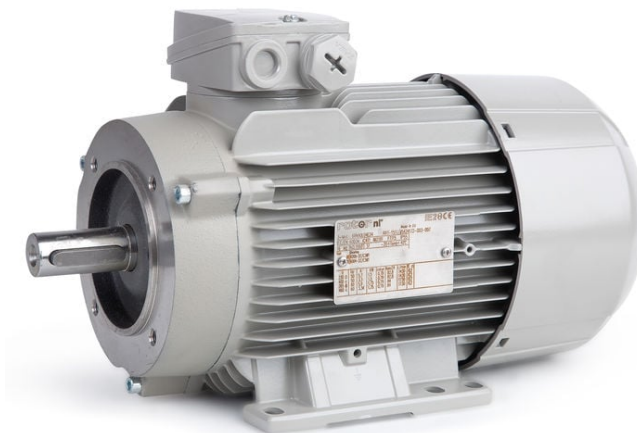
PRODUCT INFORMATION PACKET



Model No: 6RN132M08E32U46B2181-A

Catalog No: 6RN132M08E32U46B@2181-A

3.00 kW General Purpose Low Voltage IEC Motor IE3, 3 phase, 750 rpm, D400/Y690V 50Hz,
132 Frame B34, 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. 8-Pole cage motor 6RN 132 3kW D400V 50Hz IM2181-FT165

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]
400	D	50	3	4	8,5	725	39,5	IE3	83,7	0,61	3,75	1,45	2,02
690	Y				4,9								
460	D	60	3	4	6,3	880	32,5	IE3	85,5	0,73	6,00	2,20	3,00

Motor type	6RN132M08E32
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	132
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	3 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. B (80K)
Temperature rise winding	47 K
Temperature rise surface	27 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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Phase resistance at 20°C	5,0427 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 400V 50Hz	145%	375%		202%	5,33 A
@ D 460V 60Hz	220%	600%		300%	

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

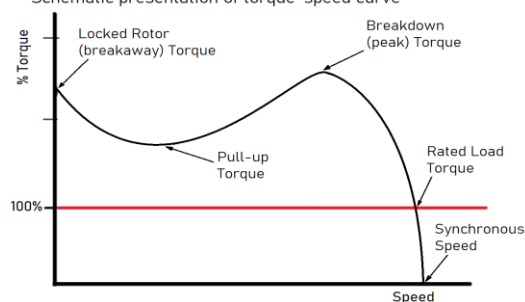
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Degree of protection	IP55
Mounting type	IM2181-FT165
Cooling method	IC411
Motor weight - approx.	78 kg
Gross weight - approx.	80 kg

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



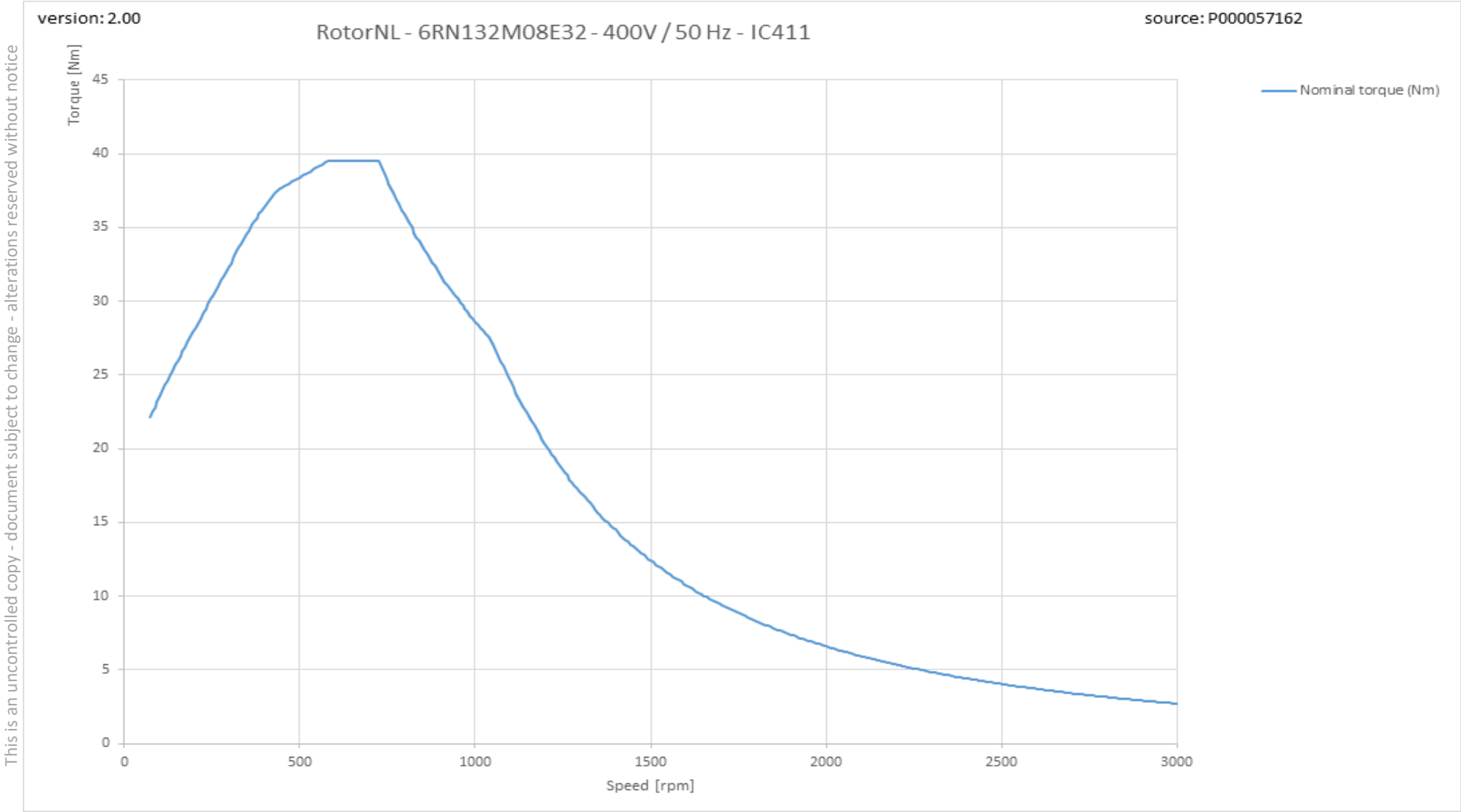
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6RN132M08E32 8-pole 3,00kW D/Y 400/690V 50Hz S1 IC411 IE3

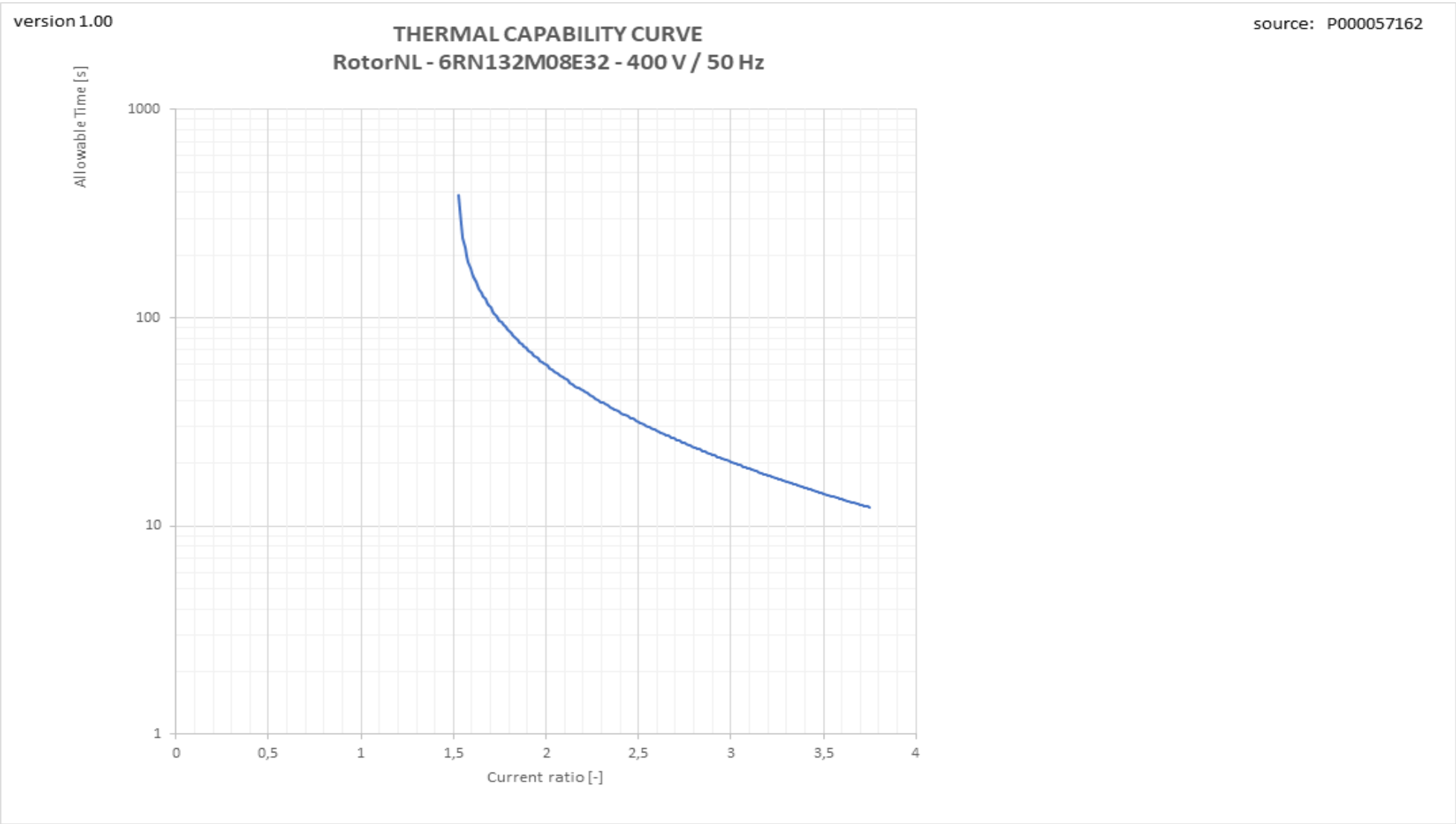


Torque versus Speed curve with variable frequency drive



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Therm_VSD graph



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