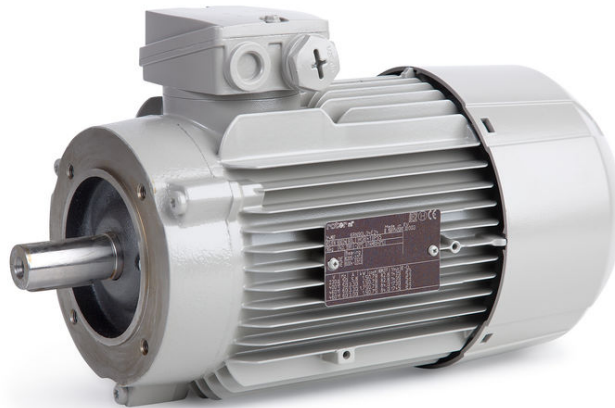


PRODUCT INFORMATION PACKET

rotor nl[®]

Model No: 6RN80M04E36U24B3641-A
Catalog No: 6RN80M04E36U24B@3641-A

1.10 kW General Purpose Low Voltage IEC Motor IE3, 3 phase, 1500 rpm, D230/Y400V 50Hz,
80 Frame B14, IC411



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Nameplate Specifications

Technical Specifications

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Datasheet



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

Model No. 4-Pole cage motor 6RN 80 1,1kW D230V 50Hz IM3641-FT100

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	1,1	1 1/2	4,2	1445	7,3	IE3	84,1			0,78			7,00	3,00	3,50
400	Y				2,4												
265	D	60	1,27	1,702	4,08	1745	6,96	IE3	86,5			0,79			7,75	3,00	3,75
460	Y				2,35												

Motor type	6RN80M04E36
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Aluminum
Frame size	80
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 surface	
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

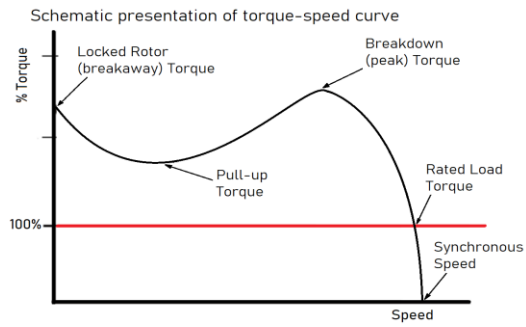
Degree of protection	IP55
Mounting type	IM3641-FT100
Cooling method	IC411
Motor weight - approx.	16 kg
Gross weight - approx.	16 kg
Vibration level	according IEC60034-14
Direction of rotation	cw / ccw

Rotor type	Cage motor
Bearing type	6004-2Z/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	300%	700%		350%	
@ D 265V 60Hz	300%	774%		375%	2,11 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



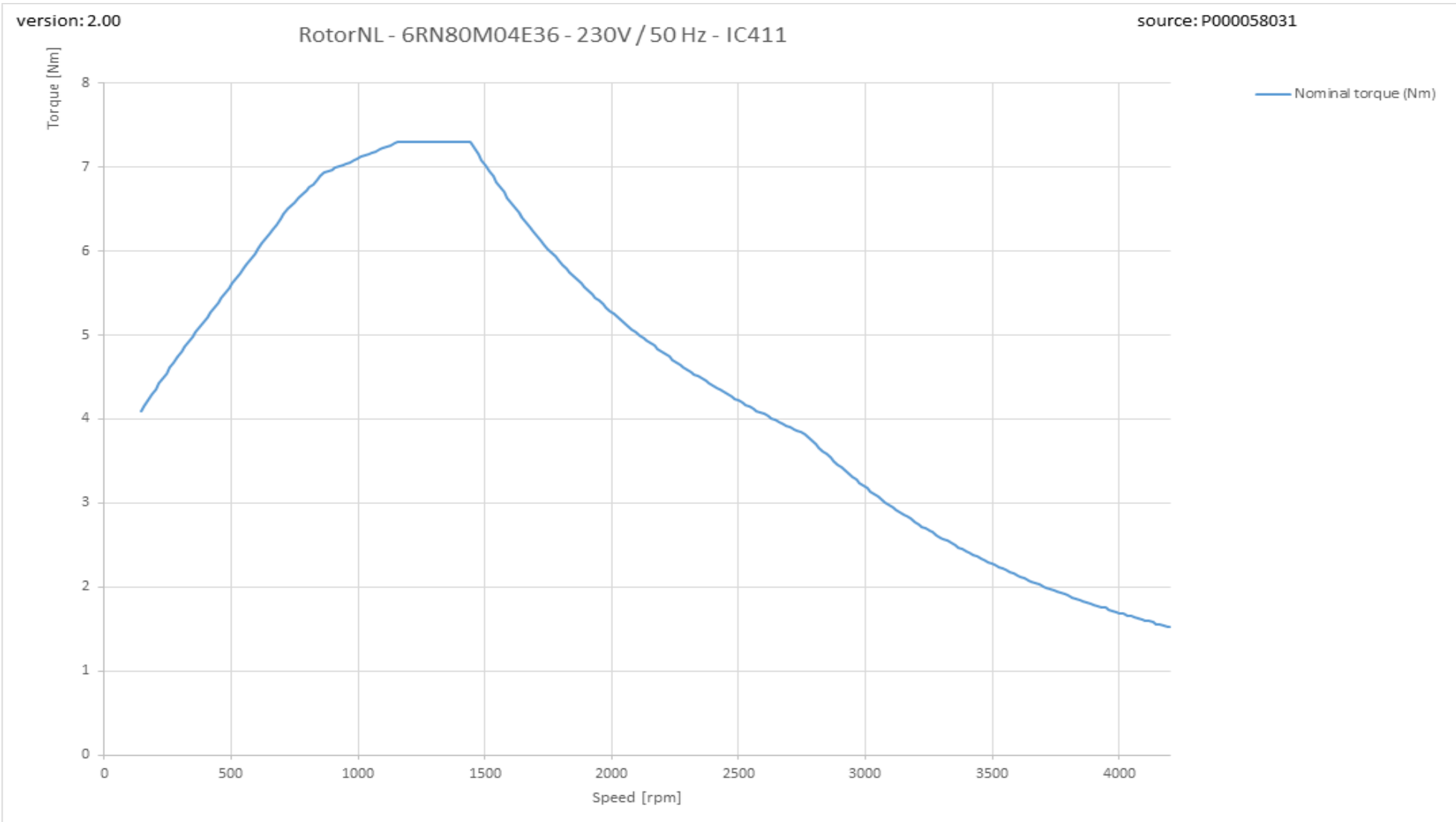
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6RN80M04E36 4-pole 1,10kW D/Y 230/400V 50Hz S1 IC411 IE3



Torque versus Speed curve with variable frequency drive



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