

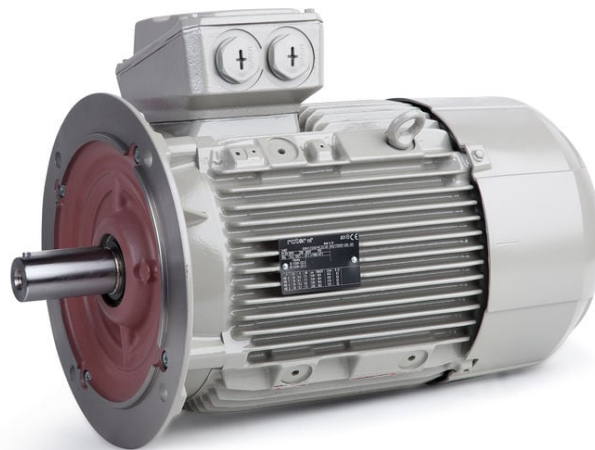
PRODUCT INFORMATION PACKET

rotor nl[®]

Model No: 6RN132M06E33U243041

Catalog No: 6RN132M06E33U24@3041

5.50 kW General Purpose Low Voltage IEC Motor IE3, 3 phase, 1000 rpm, D230/Y400V 50Hz,
132M Frame B5, IC411



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Nameplate Specifications

Efficiency Class

IE3

Technical Specifications

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Datasheet



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Model No. 6-Pole cage motor 6RN 132M 5,5kW D230V 50Hz IM3041-FF265

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	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

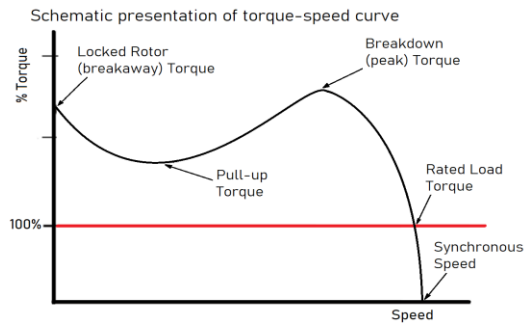
NOTE

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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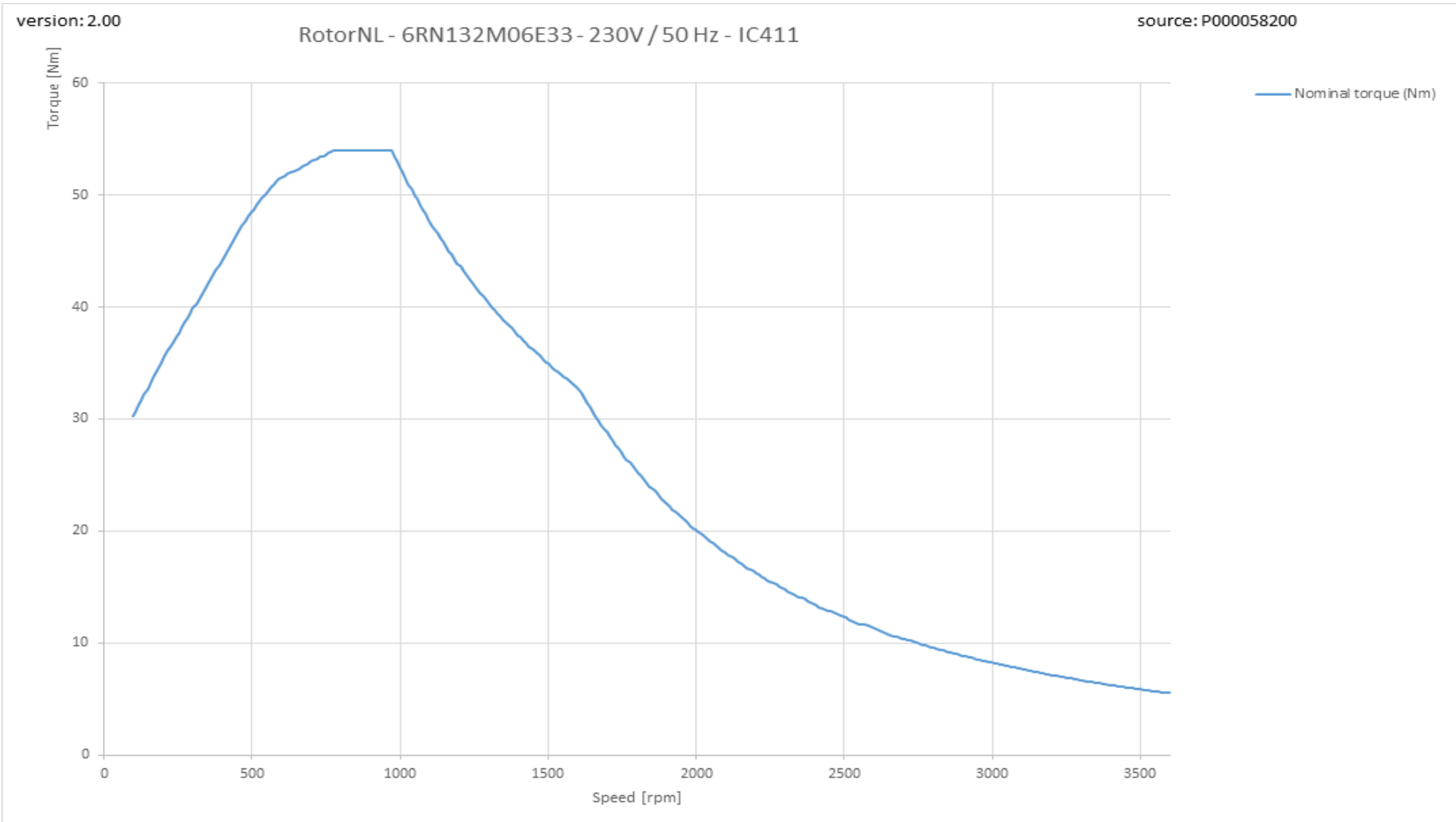
Degree of protection	IP55
Mounting type	IM3041-FF265
Cooling method	IC411
Motor weight - approx.	68 kg
Gross weight - approx.	70 kg
Motor inertia	0,0460 kgm²
Vibration level	according IEC60034-14
Direction of rotation	cw / ccw



6RN132M06E33 6-pole 5,50kW 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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