

PRODUCT INFORMATION PACKET



Model No: 6RN315L08E36U461041

Catalog No: 6RN315L08E36U46@1041

132.00 kW General Purpose Low Voltage IEC Motor IE3, 3 phase, 750 rpm, D400/Y690V 50Hz,
315L Frame B3, IC411



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Nameplate Specifications

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 315L 132kW D400V 50Hz IM1041

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	132	175	255	741	1700	IE3	94,0	0,79	8,00	3,00	3,30
690	Y				147								
460	D	60	130	174,3	215	892	1400	IE3	95,6	0,79	8,51	3,13	3,68

Motor type	6RN315L08E36
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	315L
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	132 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

Rotor type	Cage motor
Bearing type	6319/C3
Lubrication method	40gr/6000hrs
Type of grease	Unirex N3

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 400V 50Hz	300%	800%		330%	
@ D 460V 60Hz	313%	846%		368%	

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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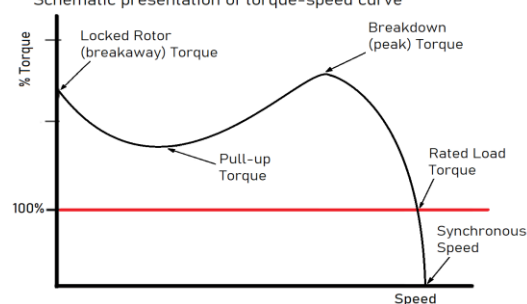
Degree of protection	IP55
Mounting type	IM1041
Cooling method	IC411
Motor weight - approx.	1100 kg
Gross weight - approx.	1130 kg

Vibration level	according IEC60034-14
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Direction of rotation	cw / ccw
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PTC 150°C

Schematic presentation of torque-speed curve



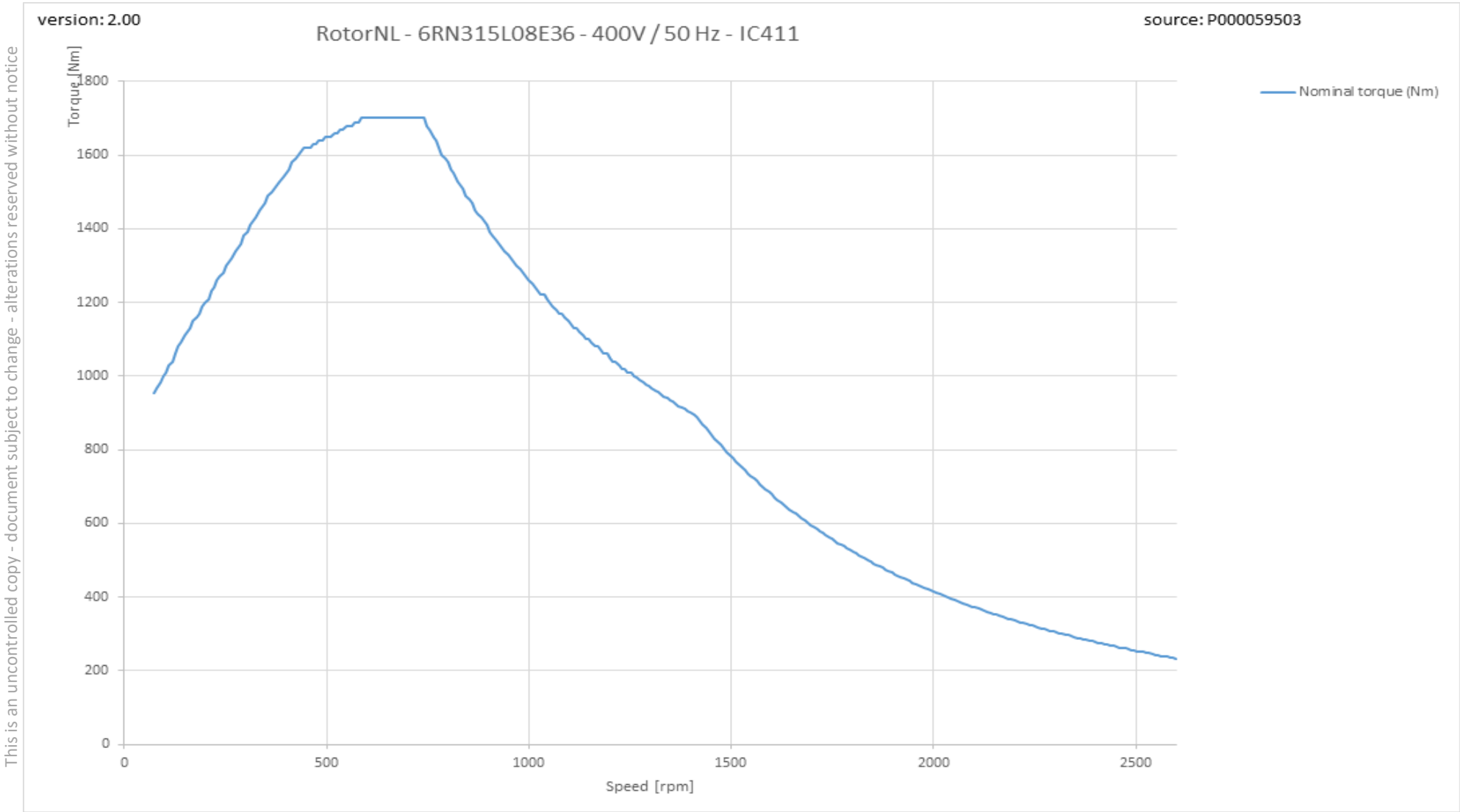
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6RN315L08E36 8-pole 132,00kW D/Y 400/690V 50Hz S1 IC411 IE3



Torque versus Speed curve with variable frequency drive



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