

PRODUCT INFORMATION PACKET

rotor nl[®]

Model No: 6RN132S08E30U24B2081

Catalog No: 6RN132S08E30U24B@2081

2.20 kW General Purpose Low Voltage IEC Motor IE3, 3 phase, 750 rpm, D230/Y400V 50Hz,
132S Frame B35, IC411



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Nameplate Specifications

Output HP	3 Hp	Output KW	2.2 kW
Frequency	50 Hz	Voltage	D230/Y400 V
Current	10.74 A	Speed	725 rpm
Service Factor	1	Phase	3
Efficiency	81.9 %	Power Factor	0.00
Duty	S1	Insulation Class	F
Frame	132S	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6308-2Z/C3WT (-40°C/+160°C)	Opp Drive End Bearing Size	6308-2Z/C3WT (-40°C/+160°C)
UL	No	CSA	Optional
CE	Yes	IP Code	IP55
Number of Speeds	1	Efficiency Class	IE3

Technical Specifications

Electrical Type	Squirrel Cage	Starting Method	Direct On Line
Poles	8	Rotation	Clockwise Shaft End
Mounting	B35	Motor Orientation	Any
Frame Material	Cast iron	Shaft Type	Keyed
Outline Drawing	6RN132S08E30_2041		

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Datasheet



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Model No. 8-Pole cage motor 6RN 132S 2,2kW D230V 50Hz IM2081-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	2,2	3	9,2	725	29	IE3	81,9			0,71	0,63	0,50	5,00	1,90	2,50
400	Y				5,3												
265	D	60	2,55	3,418	10,3	875	27,8	IE2	83,3			0,63			3,70	1,40	1,80
460	Y				5,6												

Motor type	6RN132S08E30
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	132S
Duty	S1
Voltage	230 V
Frequency	50 Hz
Power output	2,2 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	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	190%	498%		250%	
@ D 265V 60Hz	140%			180%	

NOTE

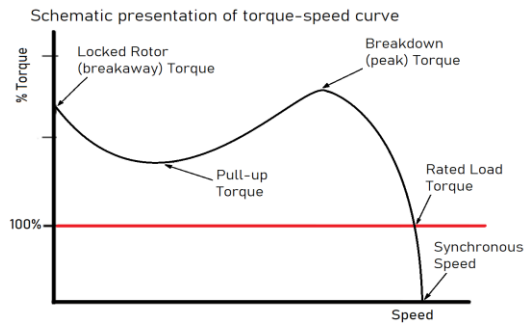
All performance values at rated voltage and frequency.
 All performance parameters are subjected to standard tolerance as per IEC 60034-1
 Voltage, Frequency are as per IEC60034-1
 Technical data are subject to change. There may be discrepancies between calculated and name plate values.

Efficiency	Europe	Global IEC
Standards	EN-IEC: 60034-30	IEC: 60034-30

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Degree of protection	IP55
Mounting type	IM2081-FF265
Cooling method	IC411
Motor weight - approx.	55 kg
Gross weight - approx.	57 kg
Motor inertia	0,0380 kgm²
Vibration level	according IEC60034-14
Noise level (pressure) acc 60034-9	64 dB(A)

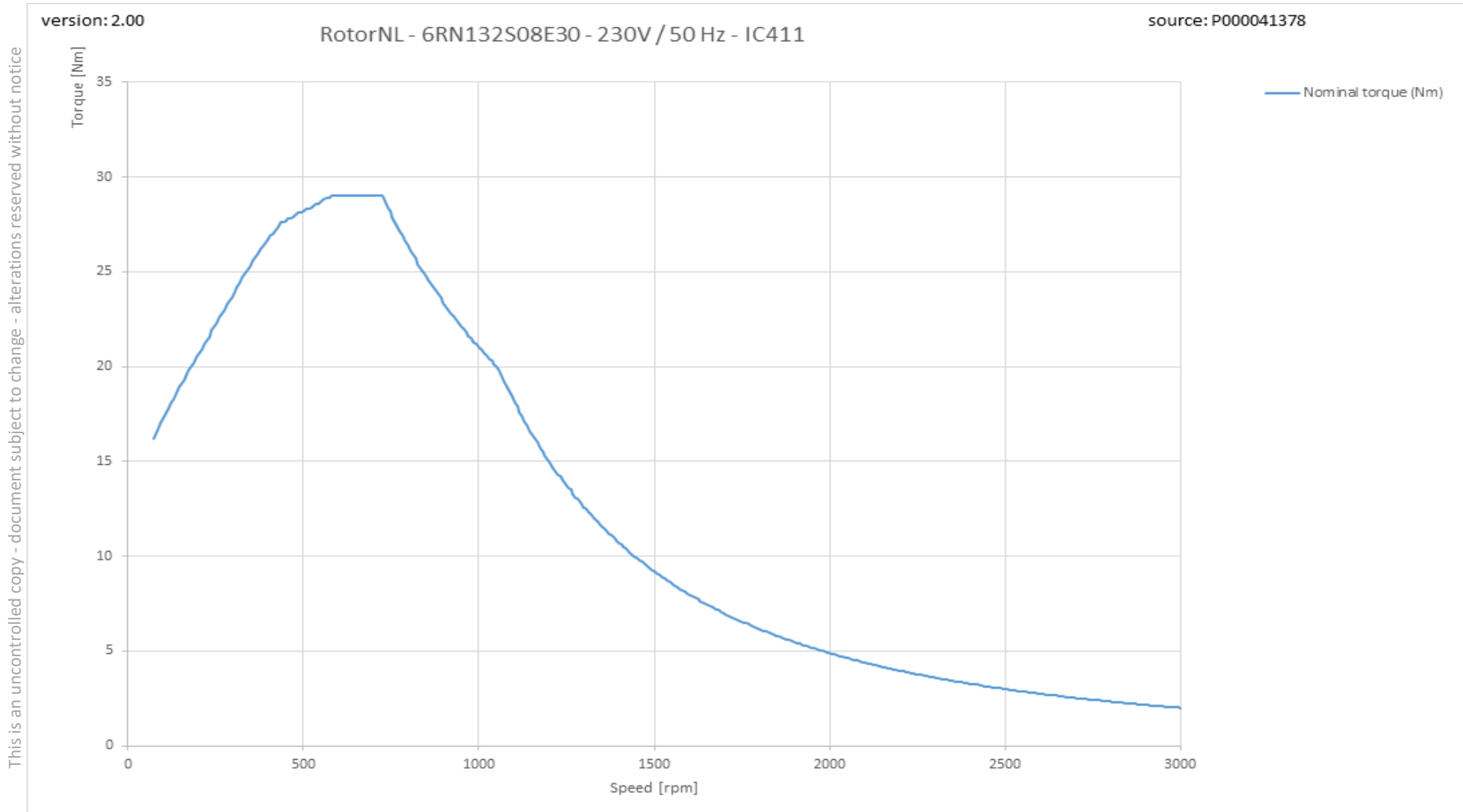
Direction of rotation	cw / ccw
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6RN132S08E30 8-pole 2,20kW D/Y 230/400V 50Hz S1 IC411 IE3



Torque versus Speed curve with variable frequency drive



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