PRODUCT INFORMATION PACKET

Model No: 6RN132M06E42U461081 Catalog No: 6RN132M06E42U46@1081 4.00 kW General Purpose Low Voltage IEC Motor IE4, 3 phase, 1000 rpm, D400/Y690V 50Hz, 132M Frame B3, IC411





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Nameplate Specifications

Technical Specifications

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Datasheet rotocr nl°

Model No. 6-Pole cage motor 6RN 132M 4kW D400V 50Hz IM1081

U	Δ/Υ	f	Р	Р	I	n	т	IE	% EF	F at	load	PF	at _lo	ad	I_A/I_N	T_A/T_N	T_{κ}/T_{N}
(V)	Conn	[Hz]	[kW]	[hp]	[A]	[RPM]	[Nm]	Class	FL	3/4FL	1/2FL	FL	3/4FL	1/2FL	[pu]	[pu]	[pu]
400	D	50	4	5 1/3	8,5	980	38,9	IE4	89,5	90,3	89,9	0,76	0,71	0,59	6,67	2,13	2,86
690	Y				4,9												

			6RN132M06		Degree of pro		IP55	
Enclosure		Totally Enc	losed Fan Coo	-	Mounting typ		IM1081	
Frame Material			Cast		Cooling meth		IC411	
Frame size			13	32M	Motor weigh		80 kg	
Duty				S1	Gross weight	- approx.	82 kg	
Voltage					400 V			
Frequency				50 Hz				
Power output				4 kW	Vibration leve	el	according IEC60034-14	
Insulation class					F			
Ambient tempera	ature			-20 til	II 40 °C			
Temperature rise			tem	p.rise acc. B (8	30K)			
Temperature rise	winding				30 K			
Temperature rise	surface				21 K	Direction of r	otation	cw /ccw
Altitude above se	a level			1	. 000 mtr			
Hazardous area c	lassification			Safe a	area			
Rotor type				Cage mo				
Rotor type Bearing type				Cage mo 6308-2Z/C3				
				-	3WT	Schemat	ic presentation of tor	que-speed curve
Bearing type				6308-2Z/C3	3WT	1	cked Rotor	Breakdown
Bearing type	at 20°C			6308-2Z/C3 Unire>	3WT	1		
Bearing type Type of grease	at 20°C			6308-2Z/C3 Unire>	SWT « N3	ej Loo	cked Rotor	Breakdown
Bearing type Type of grease Phase resistance	at 20°C			6308-2Z/C3 Unire>	3WT < N3 5941 Ohm	1	cked Rotor	Breakdown
Bearing type Type of grease Phase resistance	at 20°C	Starting	Pull-up	6308-2Z/C3 Unire>	3WT < N3 5941 Ohm	1	cked Rotor eakaway) Torque	Breakdown (peak) Torque
Bearing type Type of grease Phase resistance Country of origin		Starting current	Pull-up Torque	6308-2Z/C3 Unire> 2,6	3WT KN3 3941 Ohm CZ	anbudut (br	cked Rotor eakaway) Torque	Breakdown (peak) Torque
Bearing type Type of grease Phase resistance	Locked rotor	-		6308-2Z/C3 Unirex 2,6 Breakdown	3WT N3 941 Ohm CZ No-load	1	cked Rotor eakaway) Torque	Breakdown (peak) Torque Rated Load Torque
Bearing type Type of grease Phase resistance Country of origin	Locked rotor Torque [% nom]	current	Torque	6308-2Z/C3 Unires 2,6 Breakdown Torque	3WT N3 3941 Ohm CZ No-load Current	anbudut (br	cked Rotor eakaway) Torque	Breakdown (peak) Torque
Bearing type Type of grease Phase resistance Country of origin Voltage/Freq	Locked rotor Torque [% nom]	current [% nom]	Torque	6308-2Z/C3 Unirex 2,6 Breakdown Torque [% nom]	SWT S941 Ohm CZ No-load Current [A]	anbudut (br	cked Rotor eakaway) Torque	Breakdown (peak) Torque Rated Load Torque Synchronous

voltage, rieq	ROTOR		
Technical dat	a are subject to change. Th	ere may be discrepancies between calculated and name plate values.	
Efficiency	Europe	Global IEC	ISO 9001
Standards	EN-IEC: 60034-30	IEC: 60034-30	certified
			company

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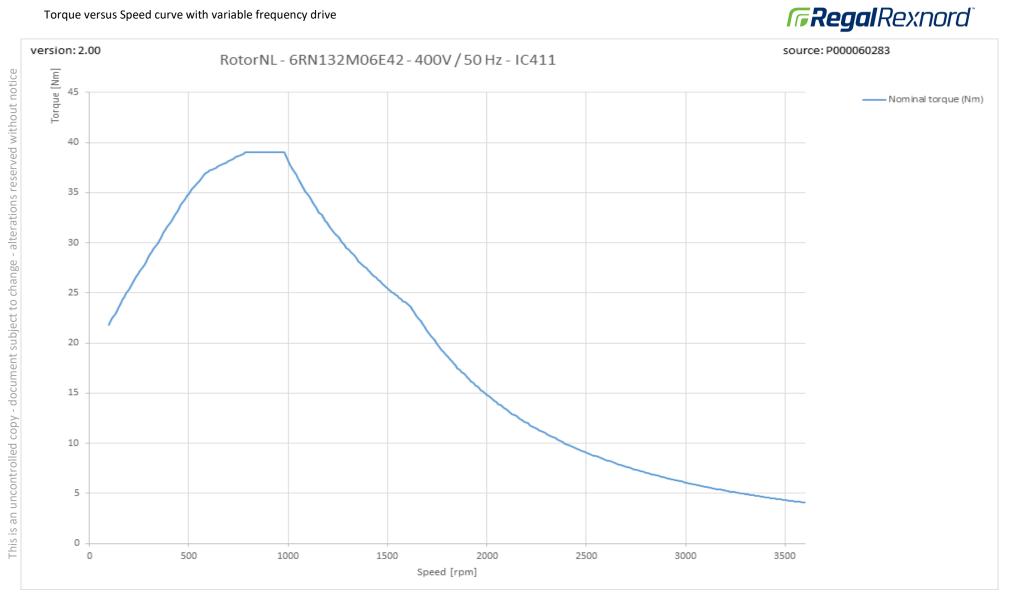
POtor B.V.

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6RN132M06E42 6-pole 4,00kW D/Y 400/690V 50Hz S1 IC411 IE4

Torque versus Speed curve with variable frequency drive



rot⊙r _{B.v.}

Therm_VSD graph

