PRODUCT INFORMATION PACKET

Model No: 6RN132M06E42U463041 Catalog No: 6RN132M06E42U46@3041 4.00 kW General Purpose Low Voltage IEC Motor IE4, 3 phase, 1000 rpm, D400/Y690V 50Hz, 132M Frame B5, IC411





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Nameplate Specifications

Technical Specifications

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Datasheet rotor nl

POt⊙P B.V.

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> IP55 IM3041-FF265 IC411 **81** kg **83** kg

Model No. 6-Pole cage motor 6RN 132M 4kW D400V 50Hz IM3041-FF265

U	Δ/Υ	f	Р	Р	Ι	n	т	IE	% EI	F at	load	PF	at _lo	ad	I _A /I _N	T_A/T_N	T _K /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												

Insulation class F Ambient temperature -20 till 40 °C Temperature rise temp.rise acc. B (80K) Temperature rise winding 30 K Temperature rise surface 21 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 Phase resistance at 20°C 2,6941 Ohm Country of origin Cz Voltage/Freq Torque [% current Torque [% current [% norm] [% norm] [% norm] [% norm] [% norm]	Frame Material				Cast i	iron	Cooling method	IC4
Voltage 400 V Frequency 50 Hz Power output 4 kW Insulation class F Ambient temperature -20 till 40 °C Temperature rise temp.rise acc. 8 (80K) Temperature rise winding 30 K Temperature rise surface 21 K Altitude above sea level 1000 mtr Hazardous area classification Safe area Rotor type Cage motor Bearing type 6308-22/C3WT Type of grease Unirex N3 Phase resistance at 20°C 2,6941 Ohm Country of origin CZ Voltage/Freq Torque Torque [% current Torque [% current Torque [% current [% nom] Torque Torque [% current Torque [% current Torque [% nom] Voltage/Freq Direction of torque stated to	Frame size				13	32M	Motor weight - approx.	
Frequency 50 Hz Power output 4 kW Power output 4 kW Insulation class F Ambient temperature -20 till 40 °C Temperature rise temp.rise acc. 8 (80 K) Temperature rise winding 30 K Temperature rise surface 21 K Altitude above sea level 1000 mtr Hazardous area classification Safe area Rotor type Cage motor Bearing type 6308-22/C3WT Type of grease Unirex N3 Phase resistance at 20°C 2,6941 Ohm Cautry of origin Cz Voltage/Freq Torque Torque [% nom] [% nom] [% nom] [% nom] [% nom]	Duty					S1	Gross weight - approx.	
Power output 4 kW Vibration level according IEC60 Insulation class F Ambient temperature -20 till 40 °C Temperature rise temp-rise acc. 8 (80K) Temperature rise winding 30 K Temperature rise surface 21 K Altitude above sea level 1000 mtr Hazardous area classification Safe area Rotor type Cage motor Bearing type 6308-22/C3WT Type of grease Unirex N3 Phase resistance at 20°C 2,6941 Ohm Country of origin CZ Voltage/Freq No-load Model cortor Starting Phase resistance at 20°C 2,6941 Ohm Country of origin CZ Voltage/Freq No-load Model cortor Starting Voltage/Freq Starting Plane resistance at 20°C 2,6941 Ohm Country of origin CZ Voltage/Freq Starting Model cortor Starting Model cortor Starting Model cortor Starting	Voltage					400 V		
Insulation class F Ambient temperature 1 - 20 till 40 °C Temperature rise winding 30 K Temperature rise winding 30 K Temperature rise winding 30 K Temperature rise surface 21 K Altitude above sea level 1000 mtr Hazardous area classification Safe area Rotor type 6308-2Z/C3WT Type of grease Unirex N3 Phase resistance at 20°C 2,6941 Ohm Country of origin CZ Voltage/Fireq nom (% nom) (% nom) (A) Pull-up Torque (% nom) (% nom) (A) Phase resistance at 20°C 2,6941 Ohm Country of origin CZ	Frequency					50 Hz		
Ambient temperature -20 till 40 °C Temperature rise temp.rise acc. B (80K) Temperature rise winding 30 K Temperature rise surface 21 K Altitude above sea level 10000 mtr Hazardous area classification Safe area Rotor type Cage motor Bearing type 6308-22/C3WT Type of grease Unirex N3 Schematic presentation of torque-speed curve Phase resistance at 20°C 2,6941 Ohm Country of origin CZ Voltage/Freq nom] (% nom) [% nom] [% no	Power output					4 kW	Vibration level	according IEC60034-
Temperature rise temp.rise acc. B (80K) Temperature rise winding 30 K Temperature rise surface 21 K Altitude above sea level 1000 mtr Hazardous area classification Safe area Rotor type 6308-2Z/C3WT Type of grease Unirex N3 Phase resistance at 20°C 2,6941 Ohm Country of origin CZ Schematic presentation of torque-speed curve Breakdown No-load Torque [% current rorque [% nom] [% nom] rorque Torque Current [% nom] [% n	Insulation class					F		
Temperature rise winding 30 K Temperature rise surface 21 K Altitude above sea level 1000 mtr Hazardous area classification Safe area Rotor type Cage motor Bearing type 6308-22/C3WT Type of grease Unirex N3 Phase resistance at 20°C 2,6941 Ohm Country of origin CZ Voltage/Freq Torque [% current Torque [% nom] [% nom] [% nom] [% nom] [% nom] [A]	Ambient tempera	ature			-20 til	I 40 °C		
Important number Important number Temperature rise surface 21 K Altitude above sea level 1000 mtr Hazardous area classification Safe area Rotor type Cage motor Bearing type 6308-22/C3WT Type of grease Unirex N3 Phase resistance at 20°C 2,6941 Ohm Country of origin Cz Voltage/Freq Torque [% nom] [% nom] [% nom] [% nom] [% nom] [% nom]	Temperature rise			tem	p.rise acc. B (8	80К)		
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 Phase resistance at 20°C 2,6941 Ohm Country of origin CZ Voltage/Freq nomine [% no	Temperature rise	winding				30 K		
Hazardous area classification Safe area Rotor type Cage motor Bearing type 6308-22/C3WT Type of grease Unirex N3 Phase resistance at 20°C 2,6941 Ohm Country of origin CZ Voltage/Freq nomi (%	Temperature rise	surface				21 K	Direction of rotation	cw /ce
Rotor type Cage motor Bearing type 6308-2Z/C3WT Type of grease Unirex N3 Phase resistance at 20°C 2,6941 Ohm Country of origin CZ Voltage/Freq nom] [% nom] Pull-up Torque Torque Current [% nom] [% nom] [% nom] [% nom] [% nom] [% nom] [%]	Altitude above se	a level			1	000 mtr		
Bearing type 6308-2Z/C3WT Type of grease Unirex N3 Phase resistance at 20°C 2,6941 Ohm Country of origin Country of origin CZ Locked rotor Torque [% current nom] [% nom] [% nom] [% nom] [A] Breakdown Current [% nom] [% nom] [A]	Hazardous area c	lassification			Safe a	irea		
Phase resistance at 20°C 2,6941 Ohm Country of origin CZ Locked rotor Starting Torque [% nom] [% nom] [% nom] [% nom] [% nom] [% nom] [% nom] Co D DOD/FENU 200%					-			
Phase resistance at 20°C 2,6941 Ohm Country of origin CZ Voltage/Freq nom] [% nom] [% nom] [% nom] [% nom] [A]	Type of grease				Unirex	(N3	Schematic presentation o	f torque-speed curve
Country of origin CZ Locked rotor Starting Torque [% current Torque [% nom] [% nom] [% nom]							· · ·	Breakdown
Country of origin CZ Locked rotor Starting Torque [% Current Torque Torque [% nom] [% nom] [% nom]	Phase resistance	at 20°C		2,6	941 Ohm			
Voltage/Freq nom] [% nom] [% nom] [% nom] [A]	Country of origin					CZ		
Voltage/rreq nonij (za nonij (za nonij (za solit) (za s	Voltogo /Fra-	Torque [%	current	Torque	Torque	Current	То	
Speed				[% nom]				Synchronou
	@ D 400V 50Hz	213%	657%		286%	4 A		Speed
NOTE Speed	NOTE	1						Speed

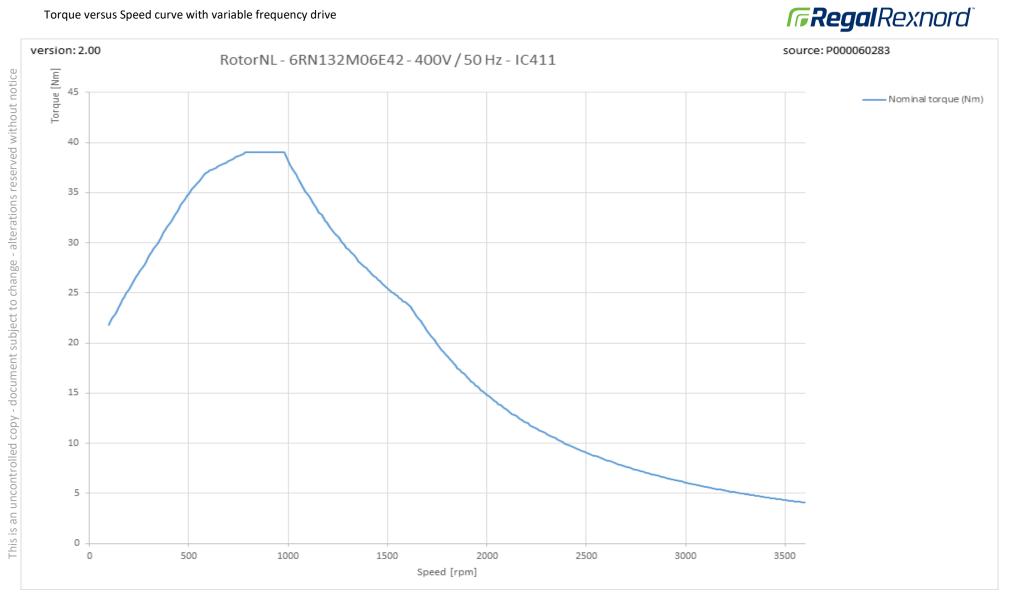
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V2.07

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

