

# Datasheet



Quote Q21.0209784  
Cust EENMALIG EXPORT

Ref Anfrage Nr. 37813



Mors 1-5, 7151 MX Eibergen NL  
www.rotor.nl tel.: +31 545 464640  
sales@rotor.nl tel.: +31 545 464646

Marine IEC 50°C

**Model No.** 6-Pole cage motor 6RN 160L 13kW D440V 60Hz IM3041-FF300 6RN160L06E14U46R config R123

U (V)	Δ/Y Conn	f [Hz]	P		I [A]	n [RPM]	T [Nm]	IE Class	% EFF at __ load			PF at __load			I <sub>A</sub> /I <sub>N</sub> [pu]	T <sub>A</sub> /T <sub>N</sub> [pu]	T <sub>K</sub> /T <sub>N</sub> [pu]
			[kW]	[hp]					FL	3/4FL	1/2FL	FL	3/4FL	1/2FL			
440	D	60	13	17,43	23,6	1157	107	IE1	89,5			0,81			5,86	1,89	2,63

Motor type	6RN160L06E14	Degree of protection	IP55
Enclosure	Totally Enclosed Fan Cooling	Mounting type	IM3041-FF300
Frame Material	Cast iron	Cooling method	IC411
Frame size	160L	Motor weight - approx.	151 kg
Duty	S1	Gross weight - approx.	156 kg
Voltage	440 V	Motor inertia	0,0780 kgm <sup>2</sup>
Frequency	60 Hz	Vibration level	according IEC60034-14
Power output	13 kW	Noise level (pressure) acc 60034-9	67 dB(A)
Insulation class	F		
Ambient temperature	-20 till 50 °C		
Temperature rise	temp.rise acc. B (80K)		
Temperature rise winding	66 K		
Temperature rise surface			
Altitude above sea level	1000 mtr	Direction of rotation	cw / ccw
Hazardous area classification	Safe area		

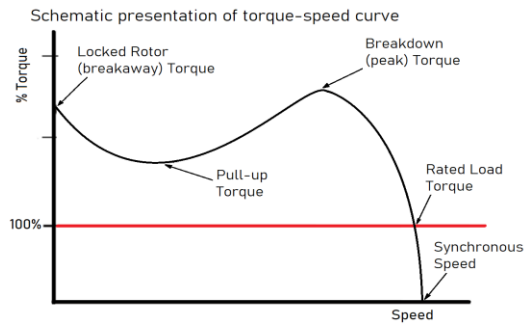
Rotor type	Cage motor
Bearing type	6309-2Z/C3WT - 6309-2Z/C3WT
Type of grease	Unirex N3

Country of origin	CZ
-------------------	----

	Locked rotor Torque [nom]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 440V 60Hz	189%	584%		263%	9,99 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



Datasheet



Quote Q21.0209784  
Cust EENMALIG EXPORT

Ref Anfrage Nr. 37813



Mors 1-5, 7151 MX Eibergen NL  
www.rotor.nl tel.: +31 545 464640  
sales@rotor.nl tel.: +31 545 464646

Marine IEC 50°C

Model No. 6-Pole cage motor 6RN 160L 13kW D440V 60Hz IM3041-FF300 6RN160L06E14U46R config R123

U (V)	Δ/Y Conn	f [Hz]	P		I [A]	n [RPM]	T [Nm]	IE Class	% EFF at __ load			PF at __load			I <sub>A</sub> /I <sub>N</sub> [pu]	T <sub>A</sub> /T <sub>N</sub> [pu]	T <sub>K</sub> /T <sub>N</sub> [pu]
			[kW]	[hp]					FL	3/4FL	1/2FL	FL	3/4FL	1/2FL			
440	D	60	13	17,43	23,6	1157	107	IE1	89,5			0,81			5,86	1,89	2,63

Configuration specification

- squirrel cage ind. motor 6RN160L06E14
- Mounting of Anti-Condensation Heaters 6RN160 230V
- spring operated brake 458-18/205V.DC 80Nm P-85W
- Cert. of compliance A acc EN10204-2.2 sent with invoice
- Gland Brass M40 (17-20,5) brown
- Intorq handrelease for brake 16
- rubber cover for brake
- Marine execution IEC 92.301 50°C trop. 96% R.H.
- Halve wave rectifier with 6 terminals E-rect.Udc=0,45Uac(<=500Vac)max1,8A
- Intorq stainless steel armature plate 16