## **PRODUCT INFORMATION PACKET**

Model No: 6RN100L08E34U241081 Catalog No: 6RN100L08E34U24@1081 0.75 kW General Purpose Low Voltage IEC Motor IE3, 3 phase, 750 rpm, D230/Y400V 50Hz, 100 Frame B3, IC411



Regal and Rotor nl are trademarks of Regal Rexnord Corporation or one of its affiliated companies. ©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E





Product Information Packet: Model No: 6RN100L08E34U241081, Catalog No:6RN100L08E34U24@1081 0.75 kW General Purpose Low Voltage IEC Motor IE3, 3 phase, 750 rpm, D230/Y400V 50Hz, 100 Frame B3, IC411



Efficiency Class

IE3

**Technical Specifications** 

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:01/19/2023

## Datasheet rotor nl

## POt⊙P B.V.

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

> IP55 IM1081 IC411 32 kg **33** kg

according IEC60034-14

cw /ccw

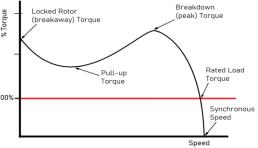
*FRegal*Rexnord®

Model No. 8-Pole cage motor 6RN 100 0,75kW D230V 50Hz IM1081

U	Δ/Υ	f	Ρ	Р	Ι	n	т	IE	% EF	Fat	load	PF	atlo	ad	I <sub>A</sub> /I <sub>N</sub>	$T_A/T_N$	T <sub>κ</sub> /T <sub>N</sub>
(V)	Conn	[Hz]	[kW]	[hp]	[A]	[RPM]	[Nm]	Class	FL	3/4FL	1/2FL	FL	3/4FL	1/2FL	[pu]	[pu]	[pu]
230	D	50	0,75	1	3,75	710	10,1	IE3	75,0			0,67			3,70	1,50	2,10
400	Y				2,1												

Voltage/Freq @ D 230V 50Hz	nom]	[% nom] 370%	[% nom]	[% nom] 210%	[A]	100%-			
	Locked rotor Torque [%	Starting current	Pull-up Torque	Breakdown Torque	No-load Current		$\sim$	Pull-up Torque	
Country of origin					CZ	%	$\langle \rangle$		
						% Torque	Locked Rotor (breakaway) Tor	que	
Type of grease				Unirex	« N3	Sch	ematic presenta	tion of torqu	
Bearing type				6306-2Z/C3	WT				
Rotor type				Cage mo					
Hazardous area cl	lassification			Safe a	irea				
Altitude above se					<b>000</b> mtr				
Temperature rise	surface					Direction	n of rotation		
remperature fise			tem	p	Jong				
Ambient tempera Temperature rise			tem	-20 til p.rise acc. B (8					
Insulation class	turo			20 +:1	F I 40 °C				
Power output				(	<b>),75</b> kW	Vibratio	n level		
Frequency					<b>50</b> Hz				
Voltage					230 V				
Duty					S1	Gross we	eight - approx.		
Frame size				100	Motor w	eight - approx.			
Frame Material			Cast i		Cooling				
Enclosure			Totally End	losed Fan Coo	ling	Mounting type			

ue-speed curve



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

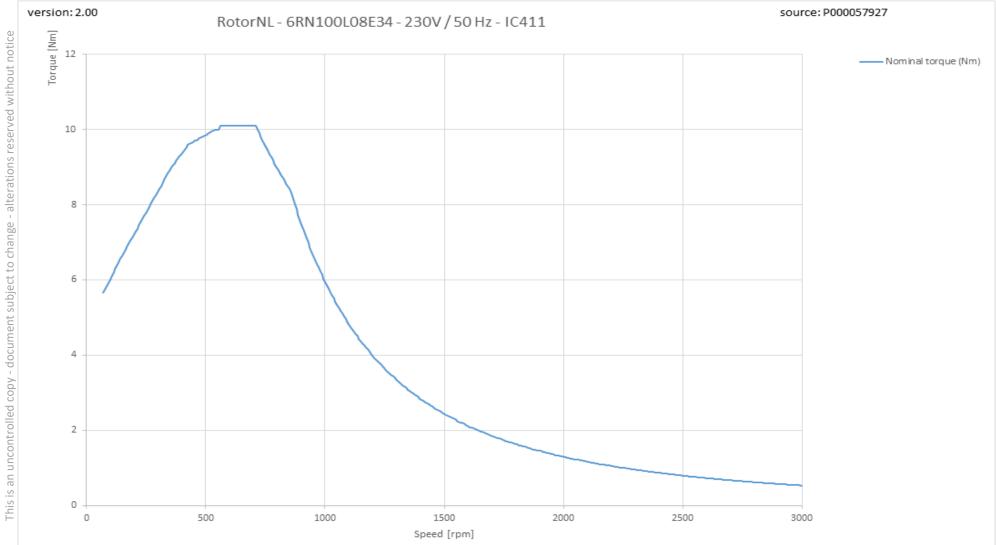
Technical data	ata are subject to change. There may be discrepancies between calculated and name plate values.					
Efficiency	Europe	Global IEC	ISO 9001			
Standards	EN-IEC: 60034-30	IEC: 60034-30	certified			
			company			

This is an uncontrolled copy, data can be changed anytime.

V2.07

6RN100L08E34 8-pole 0,75kW D/Y 230/400V 50Hz S1 IC411 IE3

## Torque versus Speed curve with variable frequency drive



rot⊙r <sub>B.v.</sub>