Datasheet

rotor nl

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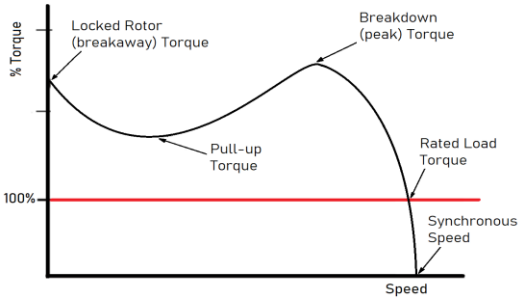
Model No. 6-Pole cage motor 6RN 180L 15kW D400V 50Hz IM1041

U (V)	Δ / Y Conn	f [Hz]	P [kW]	P [hp]	I [A]	n [RPM]	T [Nm]	IE Class	% EFF at __ load FL	3/4FL	1/2FL	PF at __load FL	3/4FL	1/2FL	I_A/I_N [pu]	T_A/T_N [pu]	T_K/T_N [pu]
400	D	50	15	20	30,5	978	146,5	IE4	92,9			0,76			7,66	2,85	3,65
690	Y				17,6												

Motor type	**6RN180L06E44**	Degree of protection	**IP55**
Enclosure	**Totally Enclosed Fan Cooling**	Mounting type	**IM1041**
Frame Material	**Cast iron**	Cooling method	**IC411**
Frame size	**180L**	Motor weight - approx.	**180** kg
Duty	**S1**	Gross weight - approx.	**185** kg
Voltage	**400** V		
Frequency	**50** Hz		
Power output	**15** kW	Vibration level	**according IEC60034-14**
Insulation class	**F**		
Ambient temperature	**-20 till 40** °C		
Temperature rise	**-**		
Temperature rise surface		Direction of rotation	**cw /ccw**
Altitude above sea level	**1000** mtr		
Hazardous area classification	**Safe area**		
Rotor type	**Cage motor**		
Bearing type	**6310-2Z/C3WT**		
Type of grease	**Unirex N3**		
Country of origin	**CZ**		

Schematic presentation of torque-speed curve



Voltage/Freq	Locked rotor Torque [% nom]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 400V 50Hz	285%	763%		365%	15,5 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

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Driving efficiency and sustainability

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