Datasheet

rotor nl

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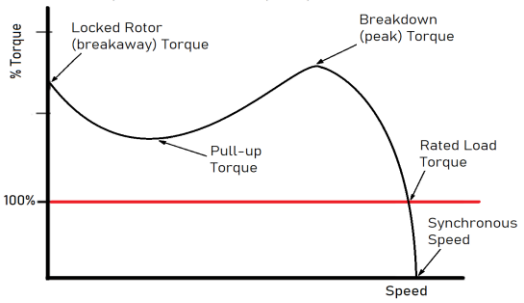
Model No. 4-Pole cage motor 23RN 160M 11kW D400V 50Hz IM1001

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	11	15	21,4	1480	71,0	N/A	88,5			0,84			5,59	1,74	2,42
690	Y				12,3												

Motor type	**23RN160M04**		Degree of protection	**IP23**
Enclosure	**IP23 Free circulation**		Mounting type	**IM1001**
Frame Material	**Cast iron**		Cooling method	**IC01**
Frame size	**160M**		Motor weight - approx.	**140** kg
Duty	**S1**		Gross weight - approx.	**144** kg
Voltage	**400** V		Motor inertia	**0,1220** kgm²
Frequency	**50** Hz			
Power output	**11** kW		Vibration level	**according IEC60034-14**
			Noise level (pressure) acc 60034-9	**66** dB(A)
Insulation class	**F**			
Ambient temperature	**-20 till 40** °C			
Temperature rise	**temp.rise acc. F**			
Temperature rise winding	**66** K			
Temperature rise surface	**34** K		Direction of rotation	**cw /ccw**
Altitude above sea level	**1000** mtr			
Hazardous area classification	**Safe area**			**PTC 150°C**
				No
				No
				No
Rotor type	**Cage motor**			
Bearing type	**6310/C3**			
Lubrication method	**15gr/11200hrs**			
Type of grease	**0**			
Phase resistance at 20°C	**0,7141** Ohm			
Country of origin	**CN**			

Voltage/Freq	Locked rotor Torque [% nom]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 400V 50Hz	174%	560%	124%	242%	7,48 A

Schematic presentation of torque-speed curve



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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.

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Efficiency	Europe	Global IEC
Standards	EN-IEC: 60034-30	IEC: 60034-30

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