

Model No. 4-Pole cage motor 23RN 160L 18,5kW 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	18,5	24,8	34,8	1455	121,4	N/A	90,6	0,85	6,87	2,04	2,55
690	Y				20,1								

Motor type	23RN160Lx04
Enclosure	IP23 Free circulation
Frame Material	Cast iron
Frame size	160L
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	18,5 kW

Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. H
Temperature rise winding	79 K
Temperature rise surface	45 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Rotor type	Cage motor
Bearing type	6310/C3
Lubrication method	15gr/11200hrs
Type of grease	0

Phase resistance at 20°C	0,3448 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	204%	689%	141%	255%	12 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

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

Degree of protection	IP23
Mounting type	IM1001
Cooling method	IC01
Motor weight - approx.	154 kg
Gross weight - approx.	159 kg

Vibration level according IEC60034-14

Direction of rotation cw /ccw

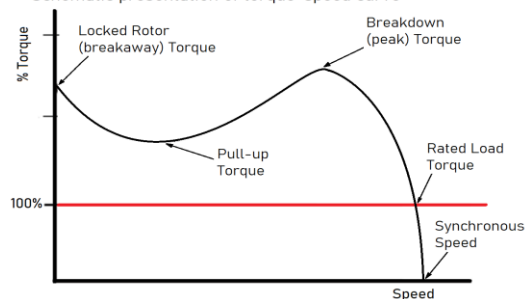
PTC 150°C

No

No

No

Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

