

Model No. 2-Pole cage motor 23RN 160L 18,5kW D400V 50Hz IM2021-FF300

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	35,2	2925	60,4	N/A	87,2	0,87	6,68	2,00	2,81
690	Y				19,2								

Motor type	23RN160L02
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	74 K
Temperature rise surface	
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area
Rotor type	Cage motor
Bearing type	6310/C3
Lubrication method	15gr/6700hrs
Type of grease	0

Phase resistance at 20°C	0,4075 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	200%	627%	144%	281%	8,73 A

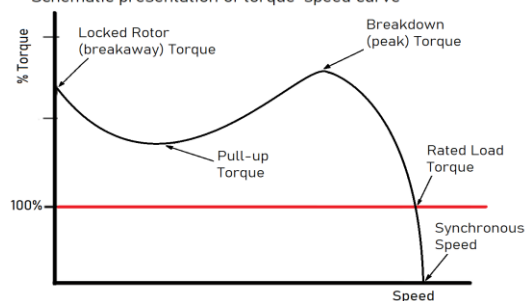
NOTE
All performance values at rated voltage and frequency.
All performance parameters are subjected to standard tolerance as per IEC 60034-1
Voltage, Frequency are as per IEC60034-1
Technical data are subject to change. There may be discrepancies between calculated and name plate values.

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	IM2021-FF300
Cooling method	IC01
Motor weight - approx.	141 kg
Gross weight - approx.	145 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

