

Model No. 2-Pole cage motor 23RN 315L 315kW D400V 50Hz IM3011-FF740

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	315	425	555	2970	1012,9	N/A	95,3	0,86	8,57	2,80	4,51
690	Y				320								
460	D	60	362	485,3	560	3560	971,1	N/A	95,8	0,87	9,93	2,92	3,56

Motor type	23RN315LX02
Enclosure	IP23 Free circulation
Frame Material	Cast iron
Frame size	315L
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	315 kW

Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. F
Temperature rise winding	65 K
Temperature rise surface	25 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Rotor type	Cage motor
Bearing type	6317/C3
Lubrication method	30gr/1250hrs
Type of grease	0

Phase resistance at 20°C	0,0070 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	280%	855%	269%	451%	201 A
@ D 460V 60Hz	292%	810%	268%	356%	184 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	IM3011-FF740
Cooling method	IC01
Motor weight - approx.	1180 kg
Gross weight - approx.	1220 kg
Motor inertia	2,5000 kgm ²
Vibration level	according IEC60034-14
Noise level (pressure) acc 60034-9	85 dB(A)

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

