

Model No. 6-Pole cage motor 23RN 355M 450kW D400V 50Hz IM3011-FF940

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]
400 690	D Y	50	450	603,2	830	985	4362,9	N/A	95,5	0,82	6,50	1,40	2,00
460	D Y	60	540	723,9	870	1185	4351,9	< IE1	95,5	0,82	6,04	1,29	2,00

Motor type	23RN355My06
Enclosure	IP23 Free circulation
Frame Material	Cast iron
Frame size	355M
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	450 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. H
Temperature rise winding	74 K
Temperature rise surface	42 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area
Rotor type	Cage motor
Bearing type	6322/C3
Lubrication method	60gr/4000hrs
Type of grease	0

Phase resistance at 20°C	0,0036 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	140%	649%	138%	200%	253 A
@ D 460V 60Hz	129%	604%	126%	200%	240 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

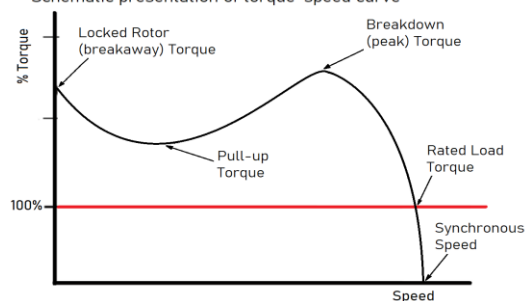
Technical data are subject to change. There may be discrepancies between calculated and name plate values.

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-FF940
Cooling method	IC01
Motor weight - approx.	1920 kg
Gross weight - approx.	1980 kg
Motor inertia	10,7400 kgm ²
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

