

Model No. 6-Pole cage motor 23RN 250S 45kW 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	45	60,32	84,3	985	436,3	N/A	91,6	0,84	6,77	2,35	3,23
690	Y				48,6								

Motor type	23RN250S06
Enclosure	IP23 Free circulation
Frame Material	Cast iron
Frame size	250S
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	45 kW

Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. F
Temperature rise winding	68 K
Temperature rise surface	22 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Rotor type	Cage motor
Bearing type	6317/C3
Lubrication method	30gr/8000hrs
Type of grease	0

Phase resistance at 20°C	0,1260 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	235%	674%	167%	323%	34,1 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.	470 kg
Gross weight - approx.	480 kg
Motor inertia	0,8340 kgm ²
Vibration level	according IEC60034-14
Noise level (pressure) acc 60034-9	68 dB(A)

Direction of rotation	cw / ccw
	PTC 150°C
	No
	No
	No

Schematic presentation of torque-speed curve



P000012745



Driving efficiency and sustainability

