

Model No. 4-Pole cage motor 6RN 225S 37kW D230V 50Hz IM3021-FF400

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]
230	D	50	37	49,6	114	1470	240,4	IE2	92,5 93,3 93,3	0,88 0,85 0,78	6,84	2,23	2,84
400	Y				65,9								

Motor type	6RN225S04E20
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	225S
Duty	S1
Voltage	230 V
Frequency	50 Hz
Power output	37 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. H
Temperature rise winding	76 K
Temperature rise surface	31 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Rotor type	Cage motor
Bearing type	6313/C3
Lubrication method	22gr/10200hrs
Type of grease	Unirex N3

Phase resistance at 20°C	0,0709 Ohm
Country of origin	CZ

Voltage/Freq	Locked rotor Torque [% nom]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 230V 50Hz	223%	685%	208%	284%	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.

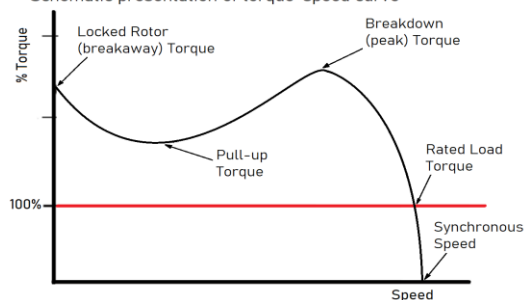
Efficiency	Europe	Global IEC
Standards	EN-IEC: 60034-30	IEC: 60034-30

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

Degree of protection	IP55
Mounting type	IM3021-FF400
Cooling method	IC411
Motor weight - approx.	280 kg
Gross weight - approx.	290 kg
Motor inertia	0,4200 kgm ²
Vibration level	according IEC60034-14
Noise level (pressure) acc 60034-9	62 dB(A)

Direction of rotation cw / ccw

Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

