

Model No. 8-Pole cage motor 6RN 225S 18,5kW D400V 50Hz IM2021-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]
400	D	50	18,5	24,8	39,5	730	242,0	IE1	86,9	0,78	5,50	2,20	2,70
690	Y				22,8								
460	D	60	22	30	38,5	880	238,8	IE1	90,2	0,79	5,60	2,10	2,60

Motor type	6RN225S08E10
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	225S
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	18,5 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	-
Temperature rise surface	
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Rotor type	Cage motor
Bearing type	6313/C3
Lubrication method	22gr/16000hrs
Type of grease	Unirex N3

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 400V 50Hz	220%	549%		270%	
@ D 460V 60Hz	210%	558%		260%	

NOTE

All performance values at rated voltage and frequency.

All performance parameters are subjected to standard tolerance as per IEC 60034-1

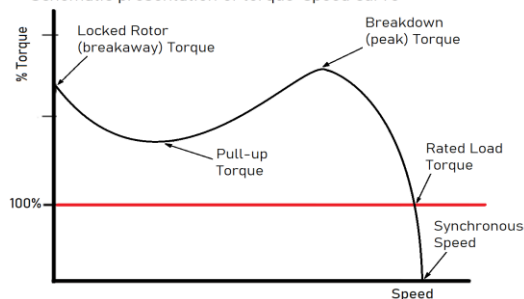
Voltage, Frequency are as per IEC60034-1

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

Degree of protection	IP55
Mounting type	IM2021-FF400
Cooling method	IC411
Motor weight - approx.	250 kg
Gross weight - approx.	260 kg
Motor inertia	0,4300 kgm ²
Vibration level	according IEC60034-14
Direction of rotation	cw /ccw

Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

