

Model No. 2-Pole cage motor 6RN 200L 30kW D400V 50Hz IM2021-FF350

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	30	40	60	2960	96,8	IE1	91,6 91,5 90,2	0,79 0,73 0,61	7,35	2,46	3,55
690	Y				34,6								
460	D	60	33,5	44,91	56,7	3560	89,9	IE1	92,1	0,81	7,64	2,66	3,59

Motor type	6RN200L02E14
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	200L
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	30 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. F
Temperature rise winding	80 K
Temperature rise surface	
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Rotor type	Cage motor
Bearing type	6312-2Z/C3WT

Type of grease	Unirex N3
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Phase resistance at 20°C	0,2176 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 400V 50Hz	246%	735%		355%	29 A
@ D 460V 60Hz	266%	763%	227%	359%	25,2 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	IM2021-FF350
Cooling method	IC411
Motor weight - approx.	210 kg
Gross weight - approx.	216 kg
Motor inertia	0,1240 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

