

Model No. 2-Pole cage motor 6RN 100L 3kW D400V 50Hz IM2081-FF215

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	3	4	6,08	2907	9,9	IE2	84,8 85,0	0,85	7,20	2,20	2,50
690	Y				3,55								
460	D	60	3,45	4,625	5,8	3503	9,4	IE1	85,0	0,85	8,00	2,40	2,80

Motor type	6RN100L02E24
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	100L
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	3 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. B
Temperature rise winding	58 K
Temperature rise surface	19 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area
Te time	0 sec

Rotor type	Cage motor
Bearing type	6306-2Z/C3WT

Type of grease	Unirex N3
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Phase resistance at 20°C	1,2000 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	220%	723%	160%	250%	2,98 A
@ D 460V 60Hz	240%	827%	180%	280%	2,75 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	IM2081-FF215
Cooling method	IC411
Motor weight - approx.	32 kg
Gross weight - approx.	33 kg
Motor inertia	0,0044 kgm ²
Vibration level	according IEC60034-14

Direction of rotation	cw / ccw
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Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

