

Model No. 2-Pole cage motor 5RN 100L 4,6kW 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	4,6	6,166	9,75	2880	15,3	IE1	84,4 84,4 82,4	0,81 0,75 0,63	7,97	3,73	4,32
690	Y				5,6								
460	D	60	5,3	7,105	9,5	3470	14,6	N/A	85,9 85,3 84,6	0,81 0,77 0,67	8,13	3,77	4,11

Motor type	5RN100L02V
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	100L
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	4,6 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. H
Temperature rise winding	87 K
Temperature rise surface	32 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Degree of protection	IP55
Mounting type	IM2081-FF215
Cooling method	IC411
Motor weight - approx.	34 kg
Gross weight - approx.	35 kg
Motor inertia	0,0044 kgm ²
Vibration level	according IEC60034-14
Noise level (pressure) acc 60034-9	0 dB(A)

Rotor type	Cage motor
Bearing type	6206-2Z/C3WT

Direction of rotation cw / ccw

Type of grease	Unirex N3
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Phase resistance at 20°C	2,7148 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	373%	796%	341%	432%	4,98 A
@ D 460V 60Hz	377%	812%	345%	411%	4,15 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.

Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

