

Model No. 2-Pole cage motor 5RN 90L 2,8kW D400V 50Hz IM2081-FF165

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	2,8	3,753	5,55	2845	9,4	IE2	83,3	0,87	6,60	3,13	3,11
690	Y				3,2								

Motor type	5RN90L02E27
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	90L
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	2,8 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. B
Temperature rise winding	59 K
Temperature rise surface	26 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area
Te time	0 sec

Degree of protection	IP55
Mounting type	IM2081-FF165
Cooling method	IC411
Motor weight - approx.	19 kg
Gross weight - approx.	20 kg

Vibration level according IEC60034-14

Direction of rotation cw / ccw

Rotor type	Cage motor
Bearing type	6205-2Z/C3WT

Type of grease	Unirex N3
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Phase resistance at 20°C	3,6100 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	313%	661%	220%	311%	1,97 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

