

Model No. 2-Pole cage motor 5RN 200L 30kW D400V 50Hz IM2081-FF350

U (V)	Δ / Y Conn	f [Hz]	P [kW]	P [hp]	I [A]	n [RPM]	T [Nm]	IE Class	% EFF at __ load			PF at __ load			I _A /I _N [pu]	T _A /T _N [pu]	T _K /T _N [pu]
									FL	3/4FL	1/2FL	FL	3/4FL	1/2FL			
400	D	50	30	40	54	2950	97,1	IE1	91,6	91,8	90,7	0,87	0,85	0,77	6,90	2,09	3,01
690	Y				31,2												
460	D	60	35	46,92	54,9	3545	94,3	N/A	91,3	89,5	89,0	0,87	0,84	0,77	6,62	1,99	2,86

Motor type	5RN200L02A6
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. H
Temperature rise winding	74 K
Temperature rise surface	34 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Rotor type	Cage motor
Bearing type	6312/C3
Lubrication method	20gr/5600hrs
Type of grease	Unirex N3

Phase resistance at 20°C	0,2537 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	209%	688%	175%	301%	17,3 A
@ D 460V 60Hz	199%	661%	158%	286%	15,8 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-FF350
Cooling method	IC411
Motor weight - approx.	216 kg
Gross weight - approx.	222 kg
Motor inertia	0,1290 kgm ²
Vibration level	according IEC60034-14
Noise level (pressure) acc 60034-9	0 dB(A)

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



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Driving efficiency and sustainability

