

Model No. 2-Pole cage motor 5RN 200L 37kW D400V 50Hz IM1041

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	37	49,6	65	2960	119,4	IE2	93,9 92,7	0,88 0,88	7,20	2,50	3,30
690	Y				37,5								
460	D	60	41,5	55,63	63	3561	111,3	IE2	94,0 93,0	0,89 0,86	7,60	3,10	3,30

Motor type	5RN200L02E27
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	200L
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	37 kW

Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. B
Temperature rise winding	65 K
Temperature rise surface	22 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	0,1446 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	250%	715%	210%	330%	19,1 A
@ D 460V 60Hz	310%	752%	210%	330%	18 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	IM1041
Cooling method	IC411
Motor weight - approx.	230 kg
Gross weight - approx.	237 kg
Motor inertia	0,1820 kgm ²
Vibration level	according IEC60034-14
Noise level (pressure) acc 60034-9	71 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

