

Model No. 2-Pole cage motor 5RN 200L 45kW D400V 50Hz IM3021-FF350

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	45	60,32	79	2960	145,2	IE2	92,9 92,9 92,3	0,89 0,86 0,80	7,30	2,60	3,30
690	Y				45,6								
460	D	60	51	68,36	76	3560	136,8	IE2	93,0 92,8	0,90 0,89	7,20	2,50	3,20

Motor type	5RN200L02E28
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	200L
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	45 kW

Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	-
Temperature rise surface	
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	0,1220 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	260%	729%		330%	
@ D 460V 60Hz	250%	719%	195%	320%	21 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	IM3021-FF350
Cooling method	IC411
Motor weight - approx.	280 kg
Gross weight - approx.	290 kg
Motor inertia	0,2200 kgm ²
Vibration level	according IEC60034-14

Direction of rotation cw /ccw

Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

