

Model No. 4-Pole cage motor 6RN 315M 110kW D400V 50Hz IM3021-FF600

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	110	150	192	1491	704,6	IE4	96,5	96,5	96,1	0,85	0,82	0,74	9,04	3,29	3,26
690	Y				110												
460	D	60	127	170,2	192	1791	677,2	IE4	96,4	96,4	95,9	0,86	0,83	0,75	8,87	3,20	3,11

Motor type	6RN315M04E40
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	315M
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	110 kW

Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. B
Temperature rise winding	48 K
Temperature rise surface	25 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Rotor type	Cage motor
Bearing type	6319/C3
Lubrication method	40gr/6000hrs
Type of grease	Unirex N3

Country of origin	CZ
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Voltage/Freq	Locked rotor Torque [% nom]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 400V 50Hz	329%	906%	250%	326%	65,6 A
@ D 460V 60Hz	320%	880%	234%	311%	61 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-FF600
Cooling method	IC411
Motor weight - approx.	910 kg
Gross weight - approx.	940 kg
Motor inertia	2,7000 kgm ²
Vibration level	according IEC60034-14

Direction of rotation	cw / ccw
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PTC 150°C

Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

