

Model No. 6-Pole cage motor 6RN 315L 110kW D400V 50Hz IM2021-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	198	991	1060,0	IE3	95,4	95,7	95,6	0,84	0,80	0,71	7,63	2,74	2,98
690	Y				114												
460	D	60	110	150	173	1192	881,3	IE3	95,6	95,8	95,4	0,83	0,79	0,69	8,74	3,11	3,29

Motor type	6RN315L06E34
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	315L
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	55 K
Temperature rise surface	38 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

Phase resistance at 20°C	0,0393 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	274%	762%	232%	298%	73,8 A
@ D 460V 60Hz	311%	872%	200%	329%	69,3 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	IM2021-FF600
Cooling method	IC411
Motor weight - approx.	990 kg
Gross weight - approx.	1020 kg
Motor inertia	3,9000 kgm ²
Vibration level	according IEC60034-14
Noise level (pressure) acc 60034-9	60 dB(A)

Direction of rotation	cw /ccw
	PTC 150°C

Schematic presentation of torque-speed curve



P000014535
P000014536



Driving efficiency and sustainability

