

Model No. 6-Pole cage motor 6RN 315L 132kW D400V 50Hz IM3011-FF600

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	132	175	235	988	1275,9	IE1	93,5	0,86	7,50	3,00	2,90
690	Y				138								
460	D	60	158	211,8	240	1188	1270,1	IE1	94,1	0,87	7,30	2,90	2,80

Motor type	6RN315L06E15
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	315L
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	132 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	-
Temperature rise winding	80 K
Temperature rise surface	
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	0,0385 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	300%	748%		290%	
@ D 460V 60Hz	290%	729%		280%	

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	IM3011-FF600
Cooling method	IC411
Motor weight - approx.	990 kg
Gross weight - approx.	1020 kg
Motor inertia	4,1500 kgm ²
Vibration level	according IEC60034-14
Direction of rotation	cw /ccw
	PTC 150°C

Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

