

Model No. 6-Pole cage motor 5RN 315S 75kW D400V 50Hz IM3001-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	75	100	138	988	724,9	IE1	93,5 93,6 92,8	0,82 0,77 0,67	7,06	2,47	2,78
690	Y				80								
460	D	60	90	120	142	1188	723,5	N/A	93,7 93,8 92,8	0,83 0,80 0,70	6,88	2,37	2,61

Motor type	5RN315S06A0
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	315S
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	75 kW

Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. F
Temperature rise winding	70 K
Temperature rise surface	43 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	0,0889 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	247%	705%	221%	278%	56,9 A
@ D 460V 60Hz	237%	687%	207%	261%	52,1 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	IM3001-FF600
Cooling method	IC411
Motor weight - approx.	690 kg
Gross weight - approx.	710 kg
Motor inertia	2,2000 kgm ²
Vibration level	according IEC60034-14
Noise level (pressure) acc 60034-9	0 dB(A)

Direction of rotation	cw /ccw
	PTC 150°C

Schematic presentation of torque-speed curve



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P000004305



Driving efficiency and sustainability

