

Model No. 6-Pole cage motor 6RN 315S 86,3kW D440V 60Hz IM1001

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]
440	D	60	86,3	115,7	137	1187	694,3	IE2	94,5	0,88	7,59	2,51	2,75

Motor type	6RN315S06E30
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	315S
Duty	S1
Voltage	440 V
Frequency	60 Hz
Power output	86,3 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. F
Temperature rise winding	62 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

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 440V 60Hz	251%	759%	222%	275%	41,2 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	IM1001
Cooling method	IC411
Motor weight - approx.	750 kg
Gross weight - approx.	770 kg
Motor inertia	2,6000 kgm ²
Vibration level	according IEC60034-14
Noise level (pressure) acc 60034-9	63 dB(A)

Direction of rotation cw /ccw

PTC 150°C

Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

