

Model No. 8-Pole cage motor 6RN 315L 132kW D400V 50Hz IM1041

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	255	740	1703,5	IE1	91,5 91,9 91,6	0,81 0,76 0,65	7,20	2,90	3,30
690	Y				150								
460	D	60	158	211,8	260	888	1699,2	IE1	92,5 92,9 92,7	0,83 0,79 0,70	6,80	2,70	3,10

Motor type	6RN315L08E16
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 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 400V 50Hz	290%	717%		330%	
@ D 460V 60Hz	270%	676%		310%	

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	IM1041
Cooling method	IC411
Motor weight - approx.	1080 kg
Gross weight - approx.	1110 kg
Motor inertia	4,5000 kgm ²
Vibration level	according IEC60034-14

Direction of rotation	cw /ccw
	PTC 150°C

Schematic presentation of torque-speed curve



P000047678
P000047679



Driving efficiency and sustainability

