

Model No. 2-Pole cage motor 6RN 3154 160kW D400V 50Hz IM1011

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	160	214,5	260	2988	511,4	IE4	96,3	96,3	95,8	0,92	0,91	0,87	10,30	3,20	3,90
690	Y				152												
460	D	60	180	241,3	260	3588	479,1	IE4	96,2	96,2	95,6	0,91	0,90	0,87	11,20	3,30	4,10

Motor type	6RN315L02E44
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	3154
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	160 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	6316/C3
Lubrication method	30gr/3000hrs
Type of grease	Unirex N3

Country of origin	CZ
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	Locked rotor Torque [% nom]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 400V 50Hz	320%	1026%		390%	
@ D 460V 60Hz	330%	1119%		410%	

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	IM1011
Cooling method	IC411
Motor weight - approx.	1040 kg
Gross weight - approx.	1070 kg
Motor inertia	2,1000 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

