

# PRODUCT INFORMATION PACKET

rotor nl®

Model No: 6RN315L02E35PMU463011

Catalog No: 6RN315L02E35PMU46@3011

200.00 kW General Purpose Low Voltage IEC Motor IE3, 3 phase, 3000 rpm, D400/Y690V 50Hz,  
315L Frame V1, IC411  
Cast Iron Motors



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### Nameplate Specifications

Output HP	270 Hp	Output KW	200.0 kW
Frequency	50 Hz	Voltage	D400 V
Current	330.00 A	Speed	2986 rpm
Service Factor	1	Phase	3
Efficiency	95.8 %	Power Factor	0.90
Duty	S1	Insulation Class	F
Frame	315L	Enclosure	Totally Enclosed Fan Cooled
Ambient Temperature	40 °C	Drive End Bearing Size	6316/C3
Opp Drive End Bearing Size	6316/C3	UL	No
CSA	Optional	CE	Yes
IP Code	IP55	Number of Speeds	1
Efficiency Class	IE3		

### Technical Specifications

Electrical Type	Squirrel Cage	Starting Method	Direct On Line
Poles	2	Rotation	Clockwise Shaft End
Mounting	V1	Motor Orientation	Any
Frame Material	Cast iron	Shaft Type	Keyed

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Model No. 2-Pole cage motor 6RN 315L 200kW 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 <sub>A</sub> /I <sub>N</sub> [pu]	T <sub>A</sub> /T <sub>N</sub> [pu]	T <sub>K</sub> /T <sub>N</sub> [pu]
400	D	50	200	270	330	2986	640	N/A	95,8 95,9 95,5	0,90 0,90 0,90			
690					191								

Motor type	6RN315L02E35PM
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	315L
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	200 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. B (80K)
Temperature rise surface	
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Rotor type	Cage motor
Bearing type	6316/C3 - 6316/C3
Lubrication method	30gr/3000hrs
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					

#### 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

Degree of protection	IP55
Mounting type	IM3011-FF600
Cooling method	IC411
Motor weight - approx.	1150 kg
Gross weight - approx.	1180 kg
Vibration level	according IEC60034-14
Direction of rotation	cw /ccw
	PTC 150°C

Schematic presentation of torque-speed curve

