

PRODUCT INFORMATION PACKET



Model No: 6RN315L06E44U461041

Catalog No: 6RN315L06E44U46@1041

110.00 kW General Purpose Low Voltage IEC Motor IE3, 3 phase, 1000 rpm, D400/Y690V 50Hz,
315L Frame B3, IC411



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Nameplate Specifications

Output HP	150.00 Hp	Output KW	110.0 kW
Frequency	50 Hz	Voltage	D400/Y690 V
Current	211.60 A	Speed	994 rpm
Service Factor	1	Phase	3
Efficiency	95.9 %	Power Factor	0.78
Duty	S1	Insulation Class	F
Frame	315L	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6319/C3	Opp Drive End Bearing Size	6319/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	6	Rotation	Clockwise Shaft End
Mounting	B3	Motor Orientation	Any
Frame Material	Cast iron	Shaft Type	Keyed

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Datasheet




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Model No. 6-Pole cage motor 6RN 315L 110kW 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	110	150	211	994	1050	IE4	95,9	0,78	10,20	3,79	4,02
690	Y				122								
460	D	60	132	175	210	1194	1050	IE4	95,8	0,82	9,80	3,50	3,90

Motor type	6RN315L06E44
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	315L
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	110 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. B (80K)
Temperature rise winding	51 K
Temperature rise surface	28 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Rotor type	Cage motor
Bearing type	6319/C3 - 6319/C3
Lubrication method	40gr/6000hrs
Type of grease	Unirex N3

Country of origin	CZ
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Voltage/Freq	Locked rotor Torque [% nom]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 400V 50Hz	379%	1028%		402%	107 A
@ D 460V 60Hz	350%	976%		390%	

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

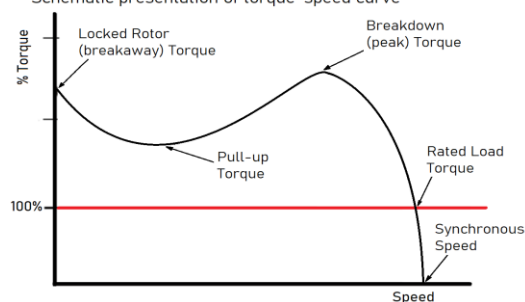
Technical data are subject to change. There may be discrepancies between calculated and name plate values.

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.	990 kg
Gross weight - approx.	1020 kg
Vibration level	according IEC60034-14
Direction of rotation	cw / ccw
	PTC 150°C

Schematic presentation of torque-speed curve




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