

Model No. 6-Pole cage motor 5RN 180L 15kW D400V 50Hz IM3011-FF300

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	15	20	29,6	965	148,4	IE1	88,8	89,5	90,1	0,82	0,78	0,70	5,58	2,34	2,51
690	Y				17,1												
460	D	60	18	24,13	29,6	1165	147,6	N/A	90,3	91,5	91,0	0,84	0,79	0,71	5,77	2,25	2,42

Motor type	5RN180L06A6
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	180L
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	15 kW

Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. F
Temperature rise winding	77 K
Temperature rise surface	38 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Rotor type	Cage motor
Bearing type	6310-2Z/C3WT

Type of grease	Unirex N3
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Phase resistance at 20°C	0,9450 Ohm
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	234%	557%	207%	251%	12,6 A
@ D 460V 60Hz	225%	574%	163%	242%	10,3 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.

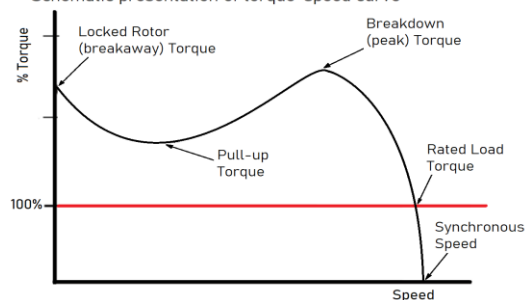
Efficiency	Europe	Global IEC
Standards	EN-IEC: 60034-30	IEC: 60034-30

This is an uncontrolled copy, data can be changed anytime.

Degree of protection	IP55
Mounting type	IM3011-FF300
Cooling method	IC411
Motor weight - approx.	155 kg
Gross weight - approx.	160 kg
Motor inertia	0,1750 kgm ²
Vibration level	according IEC60034-14
Noise level (pressure) acc 60034-9	0 dB(A)

Direction of rotation	cw / ccw
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Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

