

Model No. 6-Pole cage motor 6RN 160L 11kW D230V 50Hz IM3041-FF300

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]
230	D	50	11	15	40,8	960	109,4	IE1	87,7 88,4 87,6	0,77 0,71 0,59	6,10	2,19	3,07
400	Y				23,6								
265	D	60	12,6	16,89	39,6	1165	103,3	IE1	88,8 89,3 88,5	0,78 0,72 0,61	6,36	2,15	2,99
460	Y				22,9								

Motor type	6RN160L06E14
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	160L
Duty	S1
Voltage	230 V
Frequency	50 Hz
Power output	11 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. F
Temperature rise winding	67 K
Temperature rise surface	31 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Rotor type	Cage motor
Bearing type	6309-2Z/C3WT

Type of grease	Unirex N3
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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 230V 50Hz	219%	607%		307%	21,2 A
@ D 265V 60Hz	215%	636%		299%	19,3 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	IM3041-FF300
Cooling method	IC411
Motor weight - approx.	123 kg
Gross weight - approx.	127 kg
Motor inertia	0,0780 kgm ²
Vibration level	according IEC60034-14
Noise level (pressure) acc 60034-9	67 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

