

Model No. 4-Pole cage motor 6RN 160L 18,5kW 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			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			
230	D	50	18,5	24,8	61,7	1475	119,8	IE3	92,6	92,9	92,3	0,81	0,77	0,67	7,90	2,90	3,90
400	Y				36,6												
265	D	60	21,3	28,55	60,8	1775	114,6	IE3	93,6	93,8	93,1	0,82	0,79	0,70	8,00	2,80	3,80
460	Y				35,1												

Motor type	6RN160L04E36
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	160L
Duty	S1
Voltage	230 V
Frequency	50 Hz
Power output	18,5 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. B
Temperature rise winding	58 K
Temperature rise surface	
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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Phase resistance at 20°C	0,1178 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 230V 50Hz	290%	789%		390%	34,3 A
@ D 265V 60Hz	280%	799%		380%	30,4 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.	132 kg
Gross weight - approx.	136 kg
Motor inertia	0,1010 kgm ²
Vibration level	according IEC60034-14
Direction of rotation	cw / ccw

Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

