

Model No. 4-Pole cage motor 6RN 100L 3kW D230V 50Hz IM2181-FT130

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	3	4	11,2	1425	20,1	IE1	81,1 82,5 81,8	0,84 0,77 0,64	5,60	2,39	2,61
400	Y				6,45								
265	D	60	3,45	4,625	10,8	1725	19,1	< IE1	83,3 84,5 83,9	0,84 0,78 0,67	6,26	2,49	2,62
460	Y				6,25								

Motor type	6RN100L04E15
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	100L
Duty	S1
Voltage	230 V
Frequency	50 Hz
Power output	3 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. F
Temperature rise winding	81 K
Temperature rise surface	37 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area
Te time	0 sec

Degree of protection	IP55
Mounting type	IM2181-FT130
Cooling method	IC411
Motor weight - approx.	33 kg
Gross weight - approx.	34 kg
Motor inertia	0,0078 kgm ²
Vibration level	according IEC60034-14
Noise level (pressure) acc 60034-9	60 dB(A)

Rotor type	Cage motor
Bearing type	6306-2Z/C3WT

Type of grease	Unirex N3
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Phase resistance at 20°C	2,1500 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	239%	556%	160%	261%	5,74 A
@ D 265V 60Hz	249%	623%	161%	262%	4,94 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.

Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

