

Model No. 6-Pole cage motor 6RN 90S 0,75kW 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	0,75	1	3,42	945	7,6	IE2	75,9	0,72	4,03	1,70	2,22
400	Y				1,97								
265	D	60	0,86	1,153	3,35	1145	7,2	IE2	78,7	0,71	4,26	1,65	2,28
460	Y				1,95								

Motor type	6RN90S06E20
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Aluminum
Frame size	90S
Duty	S1
Voltage	230 V
Frequency	50 Hz
Power output	0,75 kW

Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. B
Temperature rise winding	37 K
Temperature rise surface	27 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area
Te time	0 sec

Rotor type	Cage motor
Bearing type	6004-2Z/C3WT

Type of grease	Unirex N3
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Phase resistance at 20°C	10,7440 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	170%	400%	168%	222%	2,07 A
@ D 265V 60Hz	165%	423%	165%	228%	1,94 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.

Degree of protection	IP55
Mounting type	IM2181-FT130
Cooling method	IC411
Motor weight - approx.	14 kg
Gross weight - approx.	14 kg
Motor inertia	0,0030 kgm ²
Vibration level	according IEC60034-14

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



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Driving efficiency and sustainability

