

Model No. 6-Pole cage motor 6RN 90S 0,75kW D230V 50Hz IM2181-FT115

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	3,9	940	7,6	IE1	71,1 70,3 65,5	0,67 0,57 0,44	3,66	1,80	2,27
400	Y				2,25								
265	D	60	0,86	1,153	3,76	1140	7,2	IE1	74,8 74,2 70,1	0,66 0,57 0,44	4,10	1,88	2,46
460	Y				2								

Motor type	6RN90S06E10
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	67 K
Temperature rise surface	40 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	3,7542 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	180%	364%		227%	3,1 A
@ D 265V 60Hz	188%	409%		246%	2,82 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-FT115
Cooling method	IC411
Motor weight - approx.	14 kg
Gross weight - approx.	14 kg
Motor inertia	0,0033 kgm ²
Vibration level	according IEC60034-14
Noise level (pressure) acc 60034-9	48 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

