

Model No. 2-Pole cage motor 6RN 90S 1,75kW D254V 60Hz IM2081-FF165

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]
254	D	60	1,75	2 1/3	5,25	3496	4,8	IE3	85,9	0,89	8,18	2,41	3,84
440	Y				3,03								

Motor type	6RN90S02E30
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Aluminum
Frame size	90S
Duty	S1
Voltage	254 V
Frequency	60 Hz
Power output	1,75 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. B
Temperature rise winding	38 K
Temperature rise surface	
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Rotor type	Cage motor
Bearing type	6004-2Z/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 254V 60Hz	241%	819%	192%	384%	1,95 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	IM2081-FF165
Cooling method	IC411
Motor weight - approx.	17 kg
Gross weight - approx.	18 kg
Motor inertia	0,0021 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

