

Model No. 4-Pole cage motor 6RD 90S 1,1kW D230V 50Hz IM1001

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	1,1	1 1/2	4,34	1444	7,3	IE3	84,5	0,78	6,98	3,01	3,40
400	Y				2,51								
265	D	60	1,1	1 1/2	3,83	1743	6,0	IE3	86,5 86,6 82,8	0,72 0,65 0,51	7,28		
460	Y				2,21								

Motor type	6RD90S4E3
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	90S
Duty	S1
Voltage	230 V
Frequency	50 Hz
Power output	1,1 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	-
Temperature rise surface	
Altitude above sea level	1000 mtr
Hazardous area classification	ExII2G Ex db eb IIC T4 Gb
Te time	0 sec

Rotor type	Cage motor
Bearing type	6205-2Z

Type of grease	Unirex N3
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Country of origin	IT
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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 230V 50Hz	301%	695%		340%	2,6 A
@ D 265V 60Hz		728%			2,55 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	IM1001
Cooling method	IC411
Motor weight - approx.	39 kg
Gross weight - approx.	40 kg
Motor inertia	0,0031 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

