

Model No. 4-Pole cage motor 6RD 90L 1,5kW D230V 50Hz IM3001-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]
230	D	50	1,5	2	5,69	1441	9,9	IE3	85,6	0,78	7,31	3,20	3,50
400	Y				3,28								
265	D	60	1,5	2	2,96	1739	8,2	IE3	86,5	0,74	7,46	3,30	
460	Y				1,71								

Motor type	6RD90L4E3
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	90L
Duty	S1
Voltage	230 V
Frequency	50 Hz
Power output	1,5 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	320%	729%		350%	3,29 A
@ D 265V 60Hz	330%	746%			

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.

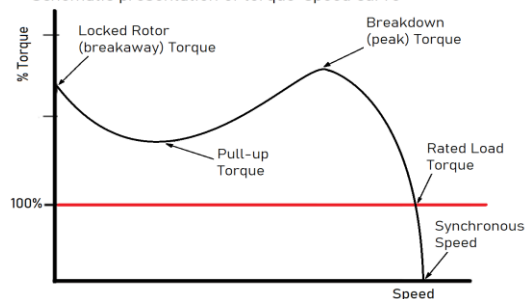
Efficiency	Europe	Global IEC
Standards	EN-IEC: 60034-30	IEC: 60034-30

This is an uncontrolled copy, data can be changed anytime.

Degree of protection	IP55
Mounting type	IM3001-FF165
Cooling method	IC411
Motor weight - approx.	47 kg
Gross weight - approx.	48 kg
Motor inertia	0,0037 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

