

Datasheet

rotor nl®

rotor B.V.

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Model No. 4-Pole cage motor 6RD 100L 2,2kW D230V 50Hz IM3011-FF215

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	2,2	3	7,63	1457	14,4	IE3	86,9	0,81	8,20	2,71	3,20
400	Y				4,4								

Motor type	6RD100LA4E3
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Undefined
Frame size	100L
Duty	S1
Voltage	230 V
Frequency	50 Hz
Power output	2,2 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. B (80K)
Temperature rise surface	
Altitude above sea level	1000 mtr
Hazardous area classification	ExII2G Ex db eb IIC T4 Gb

Rotor type	Cage motor
Bearing type	6206-ZZ

Type of grease	Unirex N3
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Phase resistance at 20°C	3,4000 Ohm
Country of origin	IT

Voltage/Freq	Locked rotor Torque [% nom]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 230V 50Hz	271%	819%		320%	4,24 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

Degree of protection	IP55
Mounting type	IM3011-FF215
Cooling method	IC411
Motor weight - approx.	50 kg
Gross weight - approx.	52 kg
Motor inertia	0,0096 kgm ²
Vibration level	according IEC60034-14
Direction of rotation	cw / ccw

Schematic presentation of torque-speed curve



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