

Datasheet

rotor ni

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WEG Group

Mors 1-5, 7151 MX Eibergen NL
www.rotor.nl tel.: +31 545 464640
sales@rotor.nl tel.: +31 545 464646

Model No. 4-Pole cage motor 6RN 100L 2,2kW D230V 50Hz IM3641-FT165

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	8,67	1420	14,8	IE1	78,2 79,1 77,3	0,80 0,72 0,58	5,20	2,29	2,67
400	Y				5								
265	D	60	2,55	3,418	8,4	1720	14,2	IE1	81,6 82,5 81,2	0,81 0,74 0,61	5,79	2,43	2,80
460	Y				4,85								

Motor type	6RN100L04E14
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
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. H
Temperature rise winding	82 K
Temperature rise surface	33 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area
Te time	0 sec

Degree of protection	IP55
Mounting type	IM3641-FT165
Cooling method	IC411
Motor weight - approx.	33 kg
Gross weight - approx.	34 kg
Motor inertia	0,0059 kgm ²
Vibration level	according IEC60034-14

Rotor type	Cage motor
Bearing type	6306-2Z/C3WT

Type of grease	Unirex N3
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Phase resistance at 20°C	3,2000 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	229%	520%		267%	5,55 A
@ D 265V 60Hz	243%	579%		280%	4,7 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.

Schematic presentation of torque-speed curve



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