

Model No. 2-Pole cage motor 6RN 100L 3kW D230V 50Hz IM3041-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	3	4	9,8	2920	9,8	IE4	89,6 90,3 90,0	0,86 0,81 0,71	10,00	3,72	5,03
400	Y				5,66								
265	D	60	3,45	4,625	9,7	3530	9,3	IE4	90,6 90,7 89,4	0,85 0,80 0,69	10,50	4,02	5,19
460	Y				5,6								

Motor type	6RN100L02E44
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	100L
Duty	S1
Voltage	230 V
Frequency	50 Hz
Power output	3 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	6306-2Z/C3WT

Type of grease	Unirex N3
----------------	-----------

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	372%	1003%	340%	503%	2,47 A
@ D 265V 60Hz	402%	1051%	325%	519%	2,21 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	IM3041-FF215
Cooling method	IC411
Motor weight - approx.	38 kg
Gross weight - approx.	39 kg
Motor inertia	0,0054 kgm ²
Vibration level	according IEC60034-14
Noise level (pressure) acc 60034-9	62 dB(A)

Direction of rotation	cw / ccw
-----------------------	----------

Schematic presentation of torque-speed curve



P000047185

P000047186



Driving efficiency and sustainability

