

Model No. 6-Pole cage motor 6RN 112M 3kW D230V 50Hz IM1081

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	13,4	945	30,3	IE1	78,6 78,5 75,6	0,71 0,61 0,48	4,89	2,86	2,91
400	Y				7,75								
265	D	60	3,45	4,625	12,8	1140	28,9	IE1	81,9 82,2 80,0	0,71 0,63 0,50	5,44	2,97	3,10
460	Y				7,42								

Motor type	6RN112M06E16
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	112M
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. H
Temperature rise winding	90 K
Temperature rise surface	50 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area
Te time	0 sec

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	286%	489%		291%	9,36 A
@ D 265V 60Hz	297%	545%		310%	8,21 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	IM1081
Cooling method	IC411
Motor weight - approx.	45 kg
Gross weight - approx.	46 kg
Motor inertia	0,0130 kgm ²
Vibration level	according IEC60034-14
Noise level (pressure) acc 60034-9	57 dB(A)

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

Schematic presentation of torque-speed curve



P000043389
P000043390



Driving efficiency and sustainability

