

Model No. 2-Pole cage motor 6RN 80M 1,1kW D230V 50Hz IM2081-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	1,1	1 1/2	3,9	2885	3,6	IE3	83,7 84,8 84,3	0,84 0,78 0,68	7,40	2,80	3,80
400	Y				2,25								
265	D	60	1,27	1,702	3,9	3480	3,5	IE3	84,0 84,0 82,8	0,85 0,82 0,75	7,40	2,80	3,80
460	Y				2,25								

Motor type	6RN80M02E33
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Aluminum
Frame size	80M
Duty	S1
Voltage	230 V
Frequency	50 Hz
Power output	1,1 kW

Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. B
Temperature rise winding	39 K
Temperature rise surface	
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area
Te time	0 sec

Rotor type	Cage motor
Bearing type	6004-2Z/C3WT

Type of grease	Unirex N3
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Phase resistance at 20°C	5,0036 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	280%	748%	250%	380%	1,88 A
@ D 265V 60Hz	280%	741%		380%	1,57 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	IM2081-FF165
Cooling method	IC411
Motor weight - approx.	13 kg
Gross weight - approx.	13 kg
Motor inertia	0,0013 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

