

Model No. 2-Pole cage motor 6RN 112M 5,5kW D230V 50Hz IM2181-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	5,5	7 1/3	18,8	2935	17,9	IE1	84,8 84,8 82,9	0,86 0,79 0,68	8,75	2,82	3,72
400	Y				10,8								
265	D	60	6,3	8,445	18,2	3535	17,0	IE1	87,1	0,87	9,81	3,29	3,86
460	Y				10,5								

Motor type	6RN112M02E16
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	112M
Duty	S1
Voltage	230 V
Frequency	50 Hz
Power output	5,5 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise exceeds class H
Temperature rise winding	88 K
Temperature rise surface	30 K
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
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Country of origin	CZ
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Voltage/Freq	Locked rotor Torque [% nom]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 230V 50Hz	282%	872%		372%	9,36 A
@ D 265V 60Hz	329%	978%		386%	8,11 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

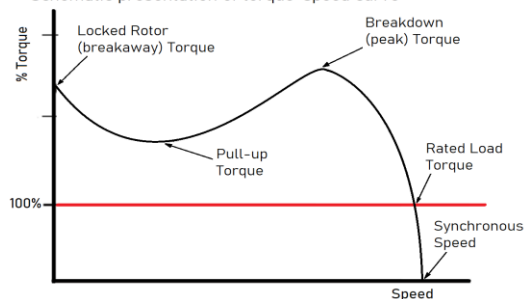
Technical data are subject to change. There may be discrepancies between calculated and name plate values.

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	IM2181-FT165
Cooling method	IC411
Motor weight - approx.	45 kg
Gross weight - approx.	46 kg
Motor inertia	0,0085 kgm ²
Vibration level	according IEC60034-14
Direction of rotation	cw / ccw

Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

