

Model No. 6-Pole cage motor 6RN 80M 0,55kW D230V 50Hz IM2181-FT100

U (V)	Δ / Y Conn	f [Hz]	P [kW]	P [hp]	I [A]	n [RPM]	T [Nm]	IE Class	% EFF at __ load			PF at __load			I _A /I _N [pu]	T _A /T _N [pu]	T _K /T _N [pu]
									FL	3/4FL	1/2FL	FL	3/4FL	1/2FL			
230	D	50	0,55	0,737	2,96	900	5,8	IE1	63,6	64,3	59,5	0,72	0,61	0,48	2,76	1,68	1,86
400	Y				1,71												
265	D	60	0,63	0,845	2,86	1110	5,4	IE1	67,5	68,2	64,1	0,70	0,60	0,46	3,14	1,81	2,07
460	Y				1,65												

Motor type	6RN80M06E13
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Aluminum
Frame size	80M
Duty	S1
Voltage	230 V
Frequency	50 Hz
Power output	0,55 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. H
Temperature rise winding	89 K
Temperature rise surface	59 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area
Te time	0 sec

Degree of protection	IP55
Mounting type	IM2181-FT100
Cooling method	IC411
Motor weight - approx.	10 kg
Gross weight - approx.	10 kg
Motor inertia	0,0017 kgm ²
Vibration level	according IEC60034-14
Noise level (pressure) acc 60034-9	42 dB(A)

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

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

Phase resistance at 20°C	17,2000 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	168%	273%	166%	186%	2,42 A
@ D 265V 60Hz	181%	314%		207%	2,25 A

NOTE

All performance values at rated voltage and frequency.

All performance parameters are subjected to standard tolerance as per IEC 60034-1

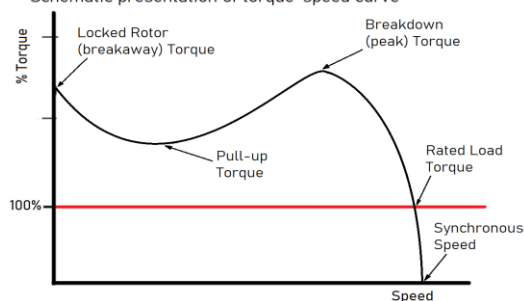
Voltage, Frequency are as per IEC60034-1

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



P000040560
P000040866



Driving efficiency and sustainability

