

Model No. 2-Pole cage motor 6RN 160M 15kW D400V 50Hz IM2081-FF300

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]
400	D	50	15	20	27,7	2952	48,5	IE2	90,5 90,3	0,88	7,60	2,40	3,40
690	Y				16								
460	D	60	17,3	23,19	27,4	3553	46,5	IE2	90,7	0,88	8,00	2,24	3,19

Motor type	6RN160M02E23
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	160M
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	15 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. H
Temperature rise winding	81 K
Temperature rise surface	18 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Rotor type	Cage motor
Bearing type	6309-2Z/C3WT

Type of grease	Unirex N3
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Phase resistance at 20°C	0,4519 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 400V 50Hz	240%	758%		340%	10,5 A
@ D 460V 60Hz	224%	795%		319%	9,11 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	IM2081-FF300
Cooling method	IC411
Motor weight - approx.	105 kg
Gross weight - approx.	108 kg
Motor inertia	0,0530 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

