

Model No. 4-Pole cage motor 6RN 160M 11kW D400V 50Hz IM3041-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	11	15	21,4	1471	71,4	IE2	89,9 90,3	0,84	6,70	2,20	2,80
690	Y				12,3								
460	D	60	12,6	16,89	20,8	1770	68,0	IE2	90,9	0,86	6,87	2,20	2,80

Motor type	6RN160M04E22
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	160M
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	11 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. F
Temperature rise winding	65 K
Temperature rise surface	24 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
----------------	-----------

Phase resistance at 20°C	1,0000 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	220%	668%	185%	280%	8,65 A
@ D 460V 60Hz	220%	687%	180%	280%	7,95 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	IM3041-FF300
Cooling method	IC411
Motor weight - approx.	105 kg
Gross weight - approx.	108 kg
Motor inertia	0,0650 kgm ²
Vibration level	according IEC60034-14

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

Schematic presentation of torque-speed curve



P000011884
P000011885



Driving efficiency and sustainability

