

Model No. 8-Pole cage motor 6RN 160M 4kW D400V 50Hz IM1081

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	4	5 1/3	9,6	733	52,1	N/A	86,2 88,0	0,69	4,30	1,80	2,00
690	Y				5,54								
460	D	60	4,6	6,166	9,47	880	49,9	N/A	87,6	0,69	3,80	1,60	1,90

Motor type	6RN160M08E22
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	160M
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	4 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. B
Temperature rise winding	45 K
Temperature rise surface	19 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	2,0953 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	180%	435%		200%	5,16 A
@ D 460V 60Hz	160%	379%		190%	4,7 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	IM1081
Cooling method	IC411
Motor weight - approx.	95 kg
Gross weight - approx.	98 kg
Motor inertia	0,0650 kgm ²
Vibration level	according IEC60034-14

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

Schematic presentation of torque-speed curve



P000011892
P000011893



Driving efficiency and sustainability

