

Model No. 8-Pole cage motor 6RN 160L 7,5kW 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	7,5	10	17	728	98,4	IE3	88,2	0,73	5,36	2,10	2,55
690	Y				9,9								
460	D	60	7,5	10	14,8	885	80,9	IE3	89,5	0,71	6,70	2,60	2,60

Motor type	6RN160L08E34
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	160L
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	7,5 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	-
Temperature rise winding	54 K
Temperature rise surface	30 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area
Te time	0 sec

Degree of protection	IP55
Mounting type	IM1081
Cooling method	IC411
Motor weight - approx.	140 kg
Gross weight - approx.	144 kg
Motor inertia	0,1160 kgm ²
Vibration level	according IEC60034-14
Noise level (pressure) acc 60034-9	65 dB(A)

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

Type of grease	Unirex N3
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Phase resistance at 20°C	1,4854 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	210%	529%		255%	8,62 A
@ D 460V 60Hz	260%	670%		260%	

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



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Driving efficiency and sustainability

