

Model No. 8-Pole cage motor 6RN 160L 7,5kW D230V 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]
230	D	50	7,5	10	33	728	98,4	IE3			3,80	1,60	3,80
400	Y				19,1								
265	D	60	8,6	11,53	28,6	880	93,3	IE2	88,5	0,74	6,10	2,30	2,70

Motor type	6RN160L08E34
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	160L
Duty	S1
Voltage	230 V
Frequency	50 Hz
Power output	7,5 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	-
Temperature rise surface	
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
----------------	-----------

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	160%	378%		380%	
@ D 265V 60Hz	230%	608%		270%	

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.	115 kg
Gross weight - approx.	118 kg
Motor inertia	0,1160 kgm ²
Vibration level	according IEC60034-14
Noise level (pressure) acc 60034-9	65 dB(A)

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

Schematic presentation of torque-speed curve



P000041381
P000041382



Driving efficiency and sustainability

