

Model No. 8-Pole cage motor 6RN 160M 5,5kW 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			PF at __load			I _A /I _N [pu]	T _A /T _N [pu]	T _K /T _N [pu]
									FL	3/4FL	1/2FL	FL	3/4FL	1/2FL			
230	D	50	5,5	7 1/3	24,9	720	73,0	IE1	80,3	81,4	80,5	0,68	0,60	0,49	4,23	1,40	2,12
400	Y				14,4												
265	D	60	6,3	8,445	23,8	870	69,2	IE1	82,9	84,0	83,2	0,68	0,62	0,51	4,46	1,46	2,17
460	Y				13,7												

Motor type	6RN160M08E13
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	160M
Duty	S1
Voltage	230 V
Frequency	50 Hz
Power output	5,5 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. H
Temperature rise winding	84 K
Temperature rise surface	77 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Degree of protection	IP55
Mounting type	IM1081
Cooling method	IC411
Motor weight - approx.	111 kg
Gross weight - approx.	114 kg
Motor inertia	0,0560 kgm ²
Vibration level	according IEC60034-14
Noise level (pressure) acc 60034-9	63 dB(A)

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

Type of grease	Unirex N3
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Country of origin	CZ
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Voltage/Freq	Locked rotor Torque [% nom]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 230V 50Hz	140%	421%		212%	14,7 A
@ D 265V 60Hz	146%	445%		217%	13 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



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