

Model No. 6-Pole cage motor 6RN 160M 7,5kW D400V 50Hz IM2081-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	7,5	10	16	980	73,1	IE4	91,8 92,3 91,7	0,73 0,68 0,56	5,60	2,20	2,50
690	Y				9								
460	D	60	8,6	11,53	15,8	1180	69,6	IE4	92,5 92,9 92,3	0,74 0,69 0,58	5,70	2,20	2,50

Motor type	6RN160M06E42
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	160M
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	7,5 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. B
Temperature rise winding	35 K
Temperature rise surface	21 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Degree of protection	IP55
Mounting type	IM2081-FF300
Cooling method	IC411
Motor weight - approx.	146 kg
Gross weight - approx.	150 kg

Vibration level according IEC60034-14

Direction of rotation cw / ccw

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

Type of grease Unirex N3

Phase resistance at 20°C	0,9429 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%	546%		250%	7,96 A
@ D 460V 60Hz	220%	559%		250%	10,6 A

NOTE

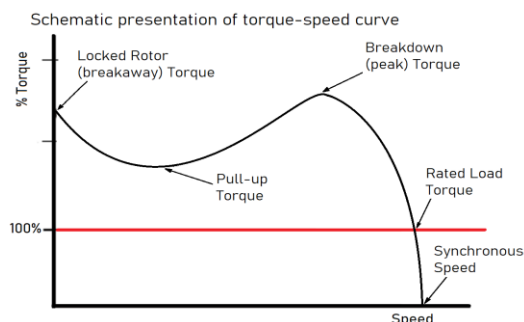
All performance values at rated voltage and frequency.

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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Driving efficiency and sustainability

