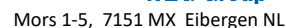


rotor nl®



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Model No. 4-Pole cage motor 6RN 80M 1.1kW D230V 50Hz IM1081

Motor type	6RN80M04E36	Degree of protection	IP55
Enclosure	Totally Enclosed Fan Cooling	Mounting type	IM1081
Frame Material	Aluminum	Cooling method	IC411
Frame size	80M	Motor weight - approx.	15 kg
Duty	S1	Gross weight - approx.	15 kg
Voltage	230 V		
Frequency	50 Hz		
Power output	1,1 kW	Vibration level	according IEC60034-14
Insulation class	F		
Ambient temperature	-20 till 40 °C		
Temperature rise	temp.rise acc. B		
Temperature rise winding	34 K		
Temperature rise surface		Direction of rotation	cw /ccw
Altitude above sea level	1000 mtr		
Hazardous area classification	Safe area		
Te time	0 sec		
Rotor type	Cage motor		
Bearing type	6004-2Z/C3WT		

A schematic graph showing the torque-speed characteristic of an induction motor. The vertical axis is labeled '% Torque' and the horizontal axis is labeled 'Speed'. A horizontal red line represents the 100% torque level. The curve starts at a high torque value on the y-axis, labeled 'Locked Rotor (breakaway) Torque'. It then dips to a local minimum labeled 'Pull-up Torque'. The curve then rises to a peak labeled 'Breakdown (peak) Torque'. After the peak, the torque decreases as speed increases, crossing the 100% torque line at a point labeled 'Rated Load Torque'. The curve ends at the 'Synchronous Speed' on the x-axis.

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

