

Model No. 8-Pole cage motor 6RN 250M 37kW D400V 50Hz IM1041

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	37	49,6	72	730	484,0	N/A	88,8	0,83	5,70	2,30	2,60
690	Y				41,5								
460	D	60	44,5	59,65	74	880	482,9	N/A	91,0	0,83	5,40	2,20	2,40

Motor type	6RN250M08E16
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	250M
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	37 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

Degree of protection	IP55
Mounting type	IM1041
Cooling method	IC411
Motor weight - approx.	kg
Gross weight - approx.	kg
Motor inertia	1,0000 kgm ²
Vibration level	according IEC60034-14

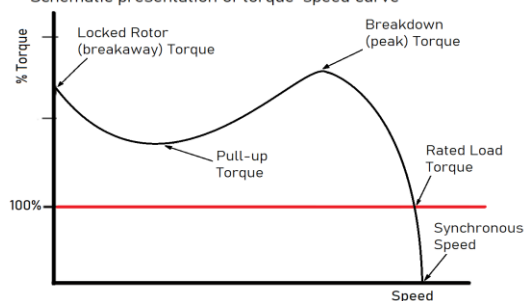
Rotor type	Cage motor
Bearing type	6315/C3
Lubrication method	25gr/8000hrs
Type of grease	Unirex N3

Direction of rotation cw /ccw

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	230%	569%		260%	
@ D 460V 60Hz	220%	539%		240%	

Schematic presentation of torque-speed curve



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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