

Model No. 6-Pole cage motor 6RN 250M 37kW D440V 60Hz IM2021-FF500

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]
440	D	60	37	49,6	61,7	1186	297,9	IE3	93,7 94,0 93,5	0,84 0,81 0,73	7,75	2,68	2,86

Motor type	6RN250M06E32
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	250M
Duty	S1
Voltage	440 V
Frequency	60 Hz
Power output	37 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. B
Temperature rise winding	43 K
Temperature rise surface	26 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area
Te time	0 sec

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

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 440V 60Hz	268%	774%	219%	286%	18,6 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

This is an uncontrolled copy, data can be changed anytime.

Degree of protection	IP55
Mounting type	IM2021-FF500
Cooling method	IC411
Motor weight - approx.	410 kg
Gross weight - approx.	420 kg
Motor inertia	1,0000 kgm ²
Vibration level	according IEC60034-14
Noise level (pressure) acc 60034-9	63 dB(A)

Direction of rotation	cw / ccw
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Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

