

Model No. 2-Pole cage motor 6RN 250M 75kW D400V 50Hz 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]
400	D	50	75	100	127	2970	241,2	IE3	94,7 94,9 94,5	0,90 0,89 0,83	6,80	2,14	2,86
690	Y				74								
460	D	60	84	112,6	123	3570	224,7	IE3	95,0 94,5 94,3	0,90 0,89 0,84	6,80	2,30	2,90

Motor type	6RN250M02E36
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	250M
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	75 kW

Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. B
Temperature rise winding	66 K
Temperature rise surface	29 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/4000hrs
Type of grease	Unirex N3

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	214%	679%	176%	286%	30 A
@ D 460V 60Hz	230%	679%		290%	29 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.	470 kg
Gross weight - approx.	480 kg
Motor inertia	0,5600 kgm ²

Vibration level according IEC60034-14

Direction of rotation cw / ccw

Schematic presentation of torque-speed curve



P000034434
P000034435



Driving efficiency and sustainability

