

Model No. 4-Pole cage motor 6RN 225M 55kW D230V 50Hz IM2021-FF400

U (V)	Δ / Y Conn	f [Hz]	P [kW]	P [hp]	I [A]	n [RPM]	T [Nm]	IE Class	% EFF at __ load			PF at __ load			I _A /I _N [pu]	T _A /T _N [pu]	T _K /T _N [pu]
									FL	3/4FL	1/2FL	FL	3/4FL	1/2FL			
230	D	50	55	75	176	1480	354,9	IE2	93,5	94,1	94,1	0,84	0,80	0,71	6,17	2,38	2,62
400	Y				101												
265	D	60	63	84,45	172	1775	339,0	IE2	94,1	94,7	94,6	0,85	0,82	0,74	6,20	2,50	2,60
460	Y				99,5												

Motor type	6RN225M04E26
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	225M
Duty	S1
Voltage	230 V
Frequency	50 Hz
Power output	55 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	-
Temperature rise winding	68 K
Temperature rise surface	40 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Rotor type	Cage motor
Bearing type	6313/C3
Lubrication method	22gr/10200hrs
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 230V 50Hz	238%	613%	230%	262%	65 A
@ D 265V 60Hz	250%	616%		260%	

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-FF400
Cooling method	IC411
Motor weight - approx.	320 kg
Gross weight - approx.	330 kg
Motor inertia	0,5100 kgm ²
Vibration level	according IEC60034-14
Noise level (pressure) acc 60034-9	64,2 dB(A)

Direction of rotation cw / ccw

Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

