

Model No. 6-Pole cage motor 7RN 355M 315kW D400V 50Hz IM2021-FF840

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			
400	D	50	315	425	580	993	3029,5	IE3	95,8	95,8	95,3	0,82	0,77	0,66	7,80	2,90	3,20
690	Y				340												
460	D	60	380	509,4	590	1192	3044,5	IE3	95,8	95,9	95,5	0,84	0,80	0,70	8,20	2,60	3,00

Motor type	7RN355M06E32
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	355M
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	315 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	-
Temperature rise winding	75 K
Temperature rise surface	
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Rotor type	Cage motor
Bearing type	6320/C4
Lubrication method	60gr/6000hrs
Type of grease	Unirex N3

Phase resistance at 20°C	0,0095 Ohm
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	290%	779%	205%	320%	250 A
@ D 460V 60Hz	260%	818%		300%	

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-FF840
Cooling method	IC411
Motor weight - approx.	2040 kg
Gross weight - approx.	2100 kg
Motor inertia	11,6000 kgm ²
Vibration level	according IEC60034-14
Direction of rotation	cw / ccw
	PTC 150°C

Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

