

Model No. 4-Pole cage motor 7RN 355M 355kW D400V 50Hz IM3021-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	355	475	620	1492	2272,3	IE3	96,0	96,0	95,4	0,86	0,82	0,75	7,90	2,90	2,80
690	Y				360												
460	D	60	410	549,6	620	1792	2185,0	IE3	96,2	96,1	95,4	0,86	0,83	0,76	7,90	2,90	2,70

Motor type	7RN355M04E33
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	355M
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	355 kW

Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. B
Temperature rise winding	67 K
Temperature rise surface	36 K
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

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 400V 50Hz	290%	788%		280%	223 A
@ D 460V 60Hz	290%	788%		270%	181 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	IM3021-FF840
Cooling method	IC411
Motor weight - approx.	2070 kg
Gross weight - approx.	2130 kg
Motor inertia	6,7600 kgm ²
Vibration level	according IEC60034-14

Direction of rotation	cw /ccw
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PTC 150°C

Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

