

Model No. 2-Pole cage motor 7RN 355L 400kW 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 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	400	540	649	2986	1279,3	IE3	97,2 97,1 96,6	0,92 0,90 0,86	8,61	2,59	3,35
690	Y				374								
460	D	60	400	540	567	3590	1064,1	IE3	97,0 95,5 94,7	0,91 0,89 0,84	9,45	3,01	3,70

Motor type	7RN355L02E34
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	355L
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	400 kW

Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. B
Temperature rise winding	57 K
Temperature rise surface	42 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Rotor type	Cage motor
Bearing type	6317/C4

Type of grease	Unirex N3
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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	259%	875%		335%	142 A
@ D 460V 60Hz	301%	959%		370%	142 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

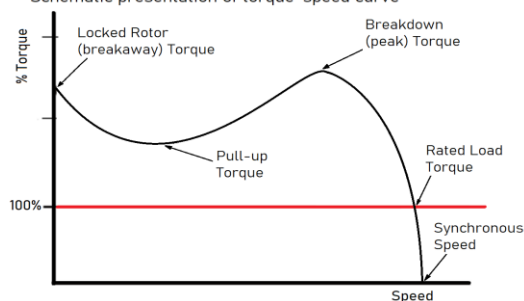
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Degree of protection	IP55
Mounting type	IM3021-FF840
Cooling method	IC411
Motor weight - approx.	2240 kg
Gross weight - approx.	2310 kg
Motor inertia	5,3600 kgm ²
Vibration level	according IEC60034-14

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

