

Model No. 6-Pole cage motor 7RN 355L 400kW D400V 50Hz IM2051-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	717	993	3846,9	IE3	96,7 96,9 96,6	0,83 0,79 0,70	8,10	2,71	2,93
690	Y				415								
460	D	60	480	643,4	730	1193	3842,4	IE3	95,8	0,86	7,90	1,70	2,70

Motor type	7RN355L06E34
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	-
Temperature rise winding	72 K
Temperature rise surface	43 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

Phase resistance at 20°C	0,0075 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	271%	810%	225%	293%	264 A
@ D 460V 60Hz	170%	789%		270%	

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	IM2051-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

