

Model No. 2-Pole cage motor 7RN 355L 500kW 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	500	670	840	2988	1598,1	IE4	96,5	0,89	8,90	3,00	3,80
	Y												
460	D	60	500	670	730	3590	1330,1	IE4	96,2	0,89	10,00	3,40	4,40
	Y												

Motor type	7RN355L02E45
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	355L
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	500 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	-
Temperature rise surface	
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Rotor type	Cage motor
Bearing type	6317/C4

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 400V 50Hz	300%	889%		380%	
@ D 460V 60Hz	340%	1000%		440%	

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

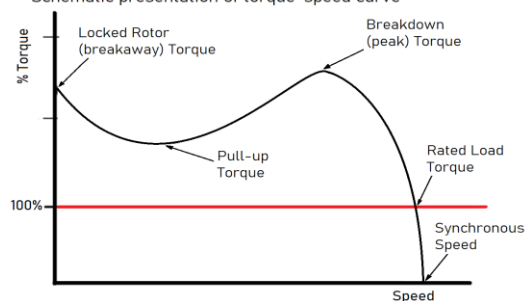
Technical data are subject to change. There may be discrepancies between calculated and name plate values.

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.	2340 kg
Gross weight - approx.	2410 kg
Motor inertia	5,7600 kgm ²
Vibration level	according IEC60034-14
Direction of rotation	cw /ccw
	PTC 150°C

Schematic presentation of torque-speed curve



P000049286
P000049287



Driving efficiency and sustainability

