

Model No. 4-Pole cage motor 7RN 355L 400kW D400V 50Hz IM1001

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	400	540	720	1492	2560,3	IE3	96,5	96,0	95,5	0,83	0,80	0,72	8,40	3,51	2,95
690	Y				415												
460	D	60	400	540	620	1793	2130,5	IE3	96,2			0,84			9,50	4,10	3,30

Motor type	7RN355L04E34
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	71 K
Temperature rise surface	33 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	0,0051 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	351%	838%	224%	295%	264 A
@ D 460V 60Hz	410%	950%		330%	

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

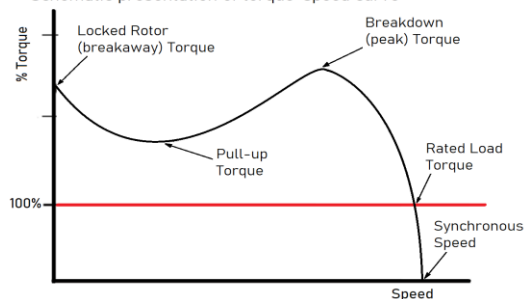
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Degree of protection	IP55
Mounting type	IM1001
Cooling method	IC411
Motor weight - approx.	2090 kg
Gross weight - approx.	2150 kg
Motor inertia	7,1600 kgm ²
Vibration level	according IEC60034-14

Direction of rotation cw /ccw

PTC 150°C

Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

