

Model No. 8-Pole cage motor 7RN 355S 250kW 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	250	335	475	744	3209,0	IE3	94,6	95,0	95,0	0,80	0,75	0,64	7,10	2,18	2,72
690	Y				257												
460	D	60	300	402,1	490	893	3208,3	N/A	95,0	95,4	95,2	0,81	0,77	0,67	7,70	####	2,50

Motor type	7RN355S08E31
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	355S
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	250 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	-
Temperature rise winding	65 K
Temperature rise surface	
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	0,0138 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	218%	709%	211%	272%	164 A
@ D 460V 60Hz	2220%			250%	

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.

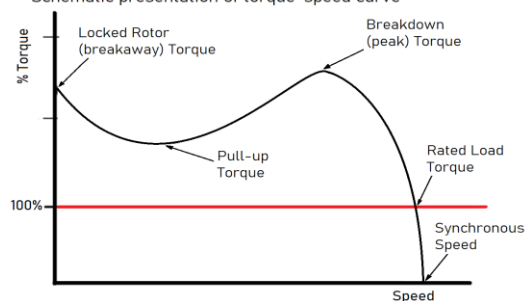
Efficiency	Europe	Global IEC
Standards	EN-IEC: 60034-30	IEC: 60034-30

This is an uncontrolled copy, data can be changed anytime.

Degree of protection	IP55
Mounting type	IM1001
Cooling method	IC411
Motor weight - approx.	1960 kg
Gross weight - approx.	2020 kg
Motor inertia	13,3000 kgm ²
Vibration level	according IEC60034-14
Noise level (pressure) acc 60034-9	79,8 dB(A)

Direction of rotation	cw /ccw
	PTC 150°C

Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

