Datasheet

rotor nl

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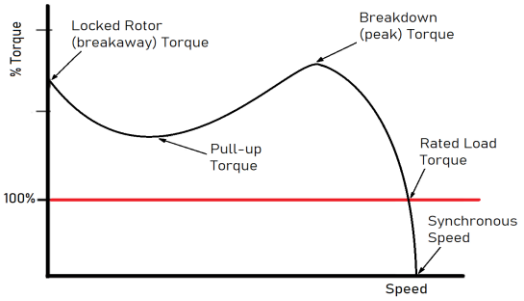
Model No. 6-Pole cage motor 23RN 355L 500kW D400V 50Hz IM2001-FF940

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	925	990	4823,2	N/A	95,5	95,2		0,82			6,00	1,50	2,20
690	Y				534												
460	D	60	600	804,3	960	1185	4835,4	N/A	95,3			0,82			6,68	1,70	2,33

Motor type	**23RN355L06**	Degree of protection	**IP23**
Enclosure	**IP23 Free circulation**	Mounting type	**IM2001-FF940**
Frame Material	**Cast iron**	Cooling method	**IC01**
Frame size	**355L**	Motor weight - approx.	**2070** kg
Duty	**S1**	Gross weight - approx.	**2130** kg
Voltage	**400** V	Motor inertia	**12,2500** kgm²
Frequency	**50** Hz		
Power output	**500** kW	Vibration level	**according IEC60034-14**
		Noise level (pressure) acc 60034-9	**0** dB(A)
Insulation class	**F**		
Ambient temperature	**-20 till 40** °C		
Temperature rise	**temp.rise acc. F**		
Temperature rise winding	**88** K		
Temperature rise surface		Direction of rotation	**cw /ccw**
Altitude above sea level	**1000** mtr		
Hazardous area classification	**Safe area**		**PTC 150°C**
			No
			No
			No
Rotor type	**Cage motor**		
Bearing type	**6322/C3**		
Lubrication method	**60gr/4000hrs**		
Type of grease	**0**		
Country of origin	**CN**		

Schematic presentation of torque-speed curve



Voltage/Freq	Locked rotor Torque [% nom]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 400V 50Hz	150%	597%		220%	
@ D 460V 60Hz	170%	668%	140%	233%	250 A

NOTE

All performance values at rated voltage and frequency. P000033331

All performance parameters are subjected to standard tolerance as per IEC 60034-1 P000040473

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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Driving efficiency and sustainability

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