Datasheet

rotor nl

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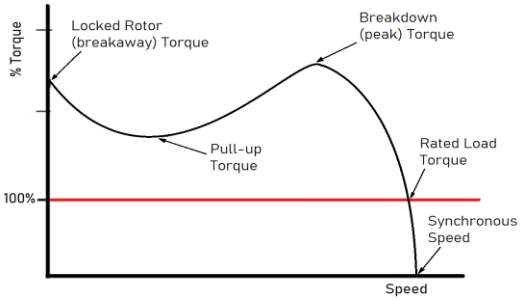
Model No. 4-Pole cage motor 23RN 315L 355kW D400V 50Hz IM2021-FF740

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	355	475	630	1480	2290,7	N/A	94,5			0,87			6,97	1,76	2,70
690	Y				364												
460	D	60	426	571	641	1780	2285,6	< IE1	95,9			0,87			6,31	1,74	2,80

Motor type	**23RN315LY04**		Degree of protection	**IP23**
Enclosure	**IP23 Free circulation**		Mounting type	**IM2021-FF740**
Frame Material	**Cast iron**		Cooling method	**IC01**
Frame size	**315L**		Motor weight - approx.	**1590** kg
Duty	**S1**		Gross weight - approx.	**1640** kg
Voltage	**400** V		Motor inertia	**5,1500** kgm²
Frequency	**50** Hz			
Power output	**355** kW		Vibration level	**according IEC60034-14**
			Noise level (pressure) acc 60034-9	**83** dB(A)
Insulation class	**F**			
Ambient temperature	**-20 till 40** °C			
Temperature rise	**temp.rise acc. H**			
Temperature rise winding	**77** K			
Temperature rise surface	**47** K		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	**6319/C3**			
Lubrication method	**45gr/4000hrs**			
Type of grease	**0**			
Phase resistance at 20°C	**0,0062** Ohm			
Country of origin	**CN**			

Voltage/Freq	Locked rotor Torque [% nom]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 400V 50Hz	176%	673%	141%	270%	155 A
@ D 460V 60Hz	174%	631%		280%	

Schematic presentation of torque-speed curve



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NOTE

All performance values at rated voltage and frequency. P000012776

All performance parameters are subjected to standard tolerance as per IEC 60034-1 P000040195

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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