Datasheet

rotor nl

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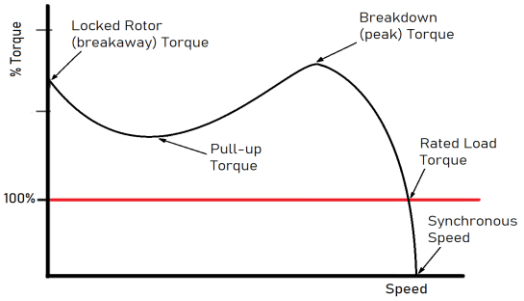
Model No. 6-Pole cage motor 23RN 180L 18,5kW D400V 50Hz IM3021-FF350

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	18,5	24,8	35,8	970	182,1	N/A	89,8			0,83			6,07	2,33	2,99
690	Y				20,7												

Motor type	**23RN180L06**	Degree of protection	**IP23**
Enclosure	**IP23 Free circulation**	Mounting type	**IM3021-FF350**
Frame Material	**Cast iron**	Cooling method	**IC01**
Frame size	**180L**	Motor weight - approx.	**212** kg
Duty	**S1**	Gross weight - approx.	**218** kg
Voltage	**400** V	Motor inertia	**0,2560** kgm²
Frequency	**50** Hz		
Power output	**18,5** kW	Vibration level	**according IEC60034-14**
		Noise level (pressure) acc 60034-9	**63** dB(A)
Insulation class	**F**		
Ambient temperature	**-20 till 40** °C		
Temperature rise	**temp.rise acc. H**		
Temperature rise winding	**74** K		
Temperature rise surface	**34** 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	**6312/C3**		
Lubrication method	**20gr/13700hrs**		
Type of grease	**0**		
Phase resistance at 20°C	**0,3694** 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	233%	608%	164%	299%	15,5 A

Schematic presentation of torque-speed curve



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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.

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

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