Datasheet

rotor nl

rotor WEG Group
Mors 1-5, 7151 MX Eibergen NL
www.rotor.nl tel.: +31 545 464640
sales@rotor.nl tel.: +31 545 464646

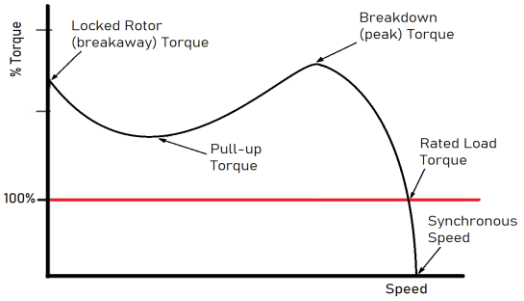
Model No. 6-Pole cage motor 23RN 355M 450kW D400V 50Hz IM1001

U (V)	Δ / Y Conn	f [Hz]	P [kW]	P [hp]	I [A]	n [RPM]	T [Nm]	IE Class	% EFF at __ load 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	450	603,2	830	985	4362,9	N/A	95,5			0,82			6,50	1,40	2,00
690	Y																
460	D	60	540	723,9	870	1185	4351,9	< IE1	95,5			0,82			6,04	1,29	2,00
	Y																

Motor type	**23RN355My06**	Degree of protection	**IP23**
Enclosure	**IP23 Free circulation**	Mounting type	**IM1001**
Frame Material	**Cast iron**	Cooling method	**IC01**
Frame size	**355M**	Motor weight - approx.	**1920** kg
Duty	**S1**	Gross weight - approx.	**1980** kg
Voltage	**400** V	Motor inertia	**10,7400** kgm²
Frequency	**50** Hz		
Power output	**450** kW	Vibration level	**according IEC60034-14**
Insulation class	**F**		
Ambient temperature	**-20 till 40** °C		
Temperature rise	**temp.rise acc. H**		
Temperature rise winding	**74** K		
Temperature rise surface	**42** 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	**6322/C3**		
Lubrication method	**60gr/4000hrs**		
Type of grease	**0**		
Phase resistance at 20°C	**0,0036** 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	140%	649%	138%	200%	253 A
@ D 460V 60Hz	129%	604%	126%	200%	240 A

Schematic presentation of torque-speed curve



1

NOTE

All performance values at rated voltage and frequency. P000018305

All performance parameters are subjected to standard tolerance as per IEC 60034-1 P000040452

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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