Datasheet

rotor nl

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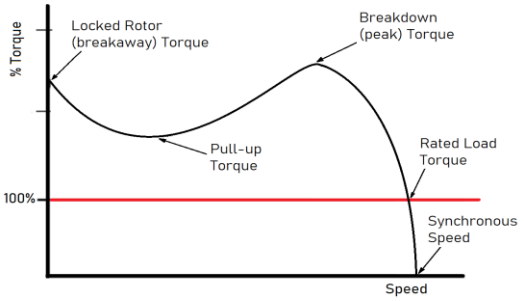
Model No. 6-Pole cage motor 7RN 355M 315kW D400V 50Hz IM1001

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	315	425	580	993	3029,5	IE3	95,8	95,8	95,3	0,82	0,77	0,66	7,80	2,90	3,20
690	Y				340												
460	D	60	380	509,4	590	1192	3044,5	IE3	95,8	95,9	95,5	0,84	0,80	0,70	8,20	2,60	3,00

Motor type	**7RN355M06E32**		Degree of protection	**IP55**
Enclosure	**Totally Enclosed Fan Cooling**		Mounting type	**IM1001**
Frame Material	**Cast iron**		Cooling method	**IC411**
Frame size	**355M**		Motor weight - approx.	**2040** kg
Duty	**S1**		Gross weight - approx.	**2100** kg
Voltage	**400** V		Motor inertia	**11,6000** kgm²
Frequency	**50** Hz			
Power output	**315** kW		Vibration level	**according IEC60034-14**
Insulation class	**F**			
Ambient temperature	**-20 till 40** °C			
Temperature rise	**-**			
Temperature rise winding	**75** K			
Temperature rise surface			Direction of rotation	**cw /ccw**
Altitude above sea level	**1000** mtr			
Hazardous area classification	**Safe area**			**PTC 150°C**
Rotor type	**Cage motor**			
Bearing type	**6320/C4**			
Lubrication method	**60gr/6000hrs**			
Type of grease	**Unirex N3**			
Phase resistance at 20°C	**0,0095** 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	290%	779%	205%	320%	250 A
@ D 460V 60Hz	260%	818%		300%	

Schematic presentation of torque-speed curve



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NOTE

All performance values at rated voltage and frequency. P000046875

All performance parameters are subjected to standard tolerance as per IEC 60034-1 P000046876

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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