Datasheet

rotor nl

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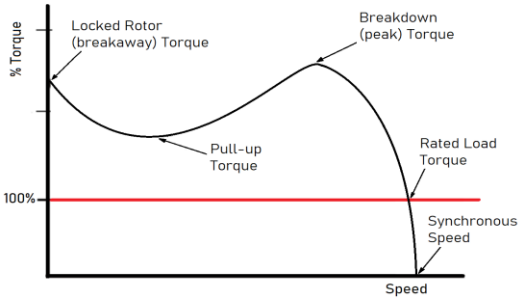
Model No. 6-Pole cage motor 7RN 355M 355kW D400V 50Hz IM3021-FF840

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	640	993	3414,1	IE4	96,6			0,83			8,40	2,90	3,30
690	Y				369												
460	D	60	425	569,7	660	1192	3405,0	IE4	96,5			0,84			8,60	2,70	3,10

Motor type	**7RN355M06E43**	Degree of protection	**IP55**
Enclosure	**Totally Enclosed Fan Cooling**	Mounting type	**IM3021-FF840**
Frame Material	**Cast iron**	Cooling method	**IC411**
Frame size	**355M**	Motor weight - approx.	**2110** kg
Duty	**S1**	Gross weight - approx.	**2170** kg
Voltage	**400** V	Motor inertia	**12,6000** kgm²
Frequency	**50** Hz		
Power output	**355** kW	Vibration level	**according IEC60034-14**
Insulation class	**F**		
Ambient temperature	**-20 till 40** °C		
Temperature rise	**-**		
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**		
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%	839%		330%	
@ D 460V 60Hz	270%	859%		310%	

Schematic presentation of torque-speed curve



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NOTE

All performance values at rated voltage and frequency. P000048102

All performance parameters are subjected to standard tolerance as per IEC 60034-1 P000048103

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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