Datasheet

rotor nl

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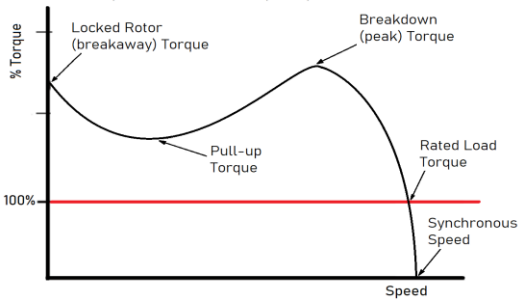
Model No. 2-Pole cage motor 7RN 355M 355kW D400V 50Hz IM3011-FF840

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	600	2988	1134,6	IE3	95,8	95,6	94,8	0,89	0,86	0,80	8,90	2,60	4,00
690																	
460	D	60	355	475	520	3590	944,4	IE3	95,8	95,3	94,2	0,89	0,86	0,79	9,50	2,60	4,50

Motor type	**7RN355M02E33**	Degree of protection	**IP55**
Enclosure	**Totally Enclosed Fan Cooling**	Mounting type	**IM3011-FF840**
Frame Material	**Cast iron**	Cooling method	**IC411**
Frame size	**355M**	Motor weight - approx.	**2100** kg
Duty	**S1**	Gross weight - approx.	**2160** kg
Voltage	**400** V	Motor inertia	**4,7000** 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**		
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	260%	890%		400%	
@ D 460V 60Hz	260%	950%		450%	141 A

Schematic presentation of torque-speed curve



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NOTE

All performance values at rated voltage and frequency. P000046395

All performance parameters are subjected to standard tolerance as per IEC 60034-1 P000046396

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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