Datasheet

rotor nl

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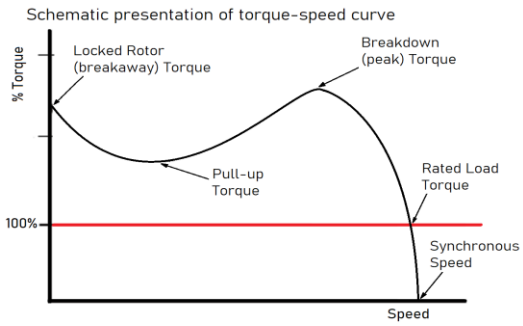
Model No. 4-Pole cage motor 7RN 355L 500kW D400V 50Hz IM3011-FF840

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	500	670	870	1491	3202,5	IE3	96,9			0,86			8,56	3,03	3,25
690	Y				503												
460	D	60	500	670	760	1792	2664,6	IE3	97,1	97,1	96,7	0,85	0,81	0,72	9,92	3,46	3,64

Motor type	**7RN355L04E35**		Degree of protection	**IP55**
Enclosure	**Totally Enclosed Fan Cooling**		Mounting type	**IM3011-FF840**
Frame Material	**Cast iron**		Cooling method	**IC411**
Frame size	**355L**		Motor weight - approx.	**2290** kg
Duty	**S1**		Gross weight - approx.	**2360** kg
Voltage	**400**	V	Motor inertia	**8,3600** kgm²
Frequency	**50**	Hz		
Power output	**500**	kW	Vibration level	**according IEC60034-14**
Insulation class	**F**			
Ambient temperature	**-20 till 40**	°C		
Temperature rise	**temp.rise acc. F**			
Temperature rise winding	**81**	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**
Rotor type	**Cage motor**			
Bearing type	**6320/C4**			
Lubrication method	**60gr/6000hrs**			
Type of grease	**Unirex N3**			
Phase resistance at 20°C	**0,0044**	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	303%	855%	222%	325%	307 A
@ D 460V 60Hz	346%	990%	247%	364%	264 A



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NOTE

All performance values at rated voltage and frequency. P000043156

All performance parameters are subjected to standard tolerance as per IEC 60034-1 P000052754

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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Driving efficiency and sustainability

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