Datasheet

rotor nl

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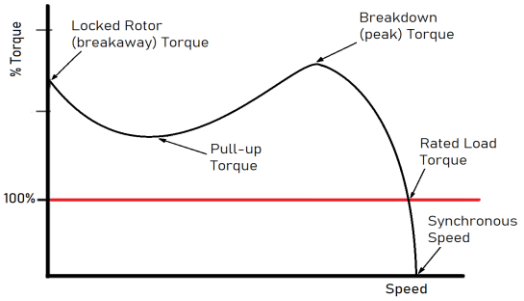
Model No. 8-Pole cage motor 6RN 225M 22kW D400V 50Hz IM3021-FF400

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	22	30	45,5	732	287,0	IE3	90,6	91,4	91,2	0,77	0,71	0,59	5,90	2,60	2,90
690	Y				26,2												
460	D	60	26,5	35,52	46	886	285,6	IE3	91,7	92,4	92,0	0,79	0,74	0,63	5,90	2,40	2,80

Motor type	**6RN225M08E32**	Degree of protection	**IP55**
Enclosure	**Totally Enclosed Fan Cooling**	Mounting type	**IM3021-FF400**
Frame Material	**Cast iron**	Cooling method	**IC411**
Frame size	**225M**	Motor weight - approx.	**310** kg
Duty	**S1**	Gross weight - approx.	**320** kg
Voltage	**400** V	Motor inertia	**0,5500** kgm²
Frequency	**50** Hz		
Power output	**22** 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**		
Rotor type	**Cage motor**		
Bearing type	**6313/C3**		
Lubrication method	**22gr/16000hrs**		
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%	589%		290%	
@ D 460V 60Hz	240%	589%		280%	

Schematic presentation of torque-speed curve



1

NOTE

All performance values at rated voltage and frequency. P000050439

All performance parameters are subjected to standard tolerance as per IEC 60034-1 P000050440

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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