Datasheet

rotor nl

rotor WEG Group
Mors 1-5, 7151 MX Eibergen NL
www.rotor.nl tel.: +31 545 464640
sales@rotor.nl tel.: +31 545 464646

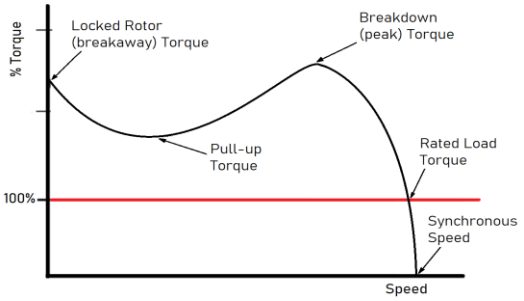
Model No. 8-Pole cage motor 6RN 225S 18,5kW D400V 50Hz IM2021-FF400

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	18,5	24,8	39,5	732	241,4	IE3	90,1	90,6	90,0	0,75	0,68	0,56	5,90	2,50	3,00
690	Y				23												

Motor type	**6RN225S08E30**	Degree of protection	**IP55**
Enclosure	**Totally Enclosed Fan Cooling**	Mounting type	**IM2021-FF400**
Frame Material	**Cast iron**	Cooling method	**IC411**
Frame size	**225S**	Motor weight - approx.	**290** kg
Duty	**S1**	Gross weight - approx.	**300** kg
Voltage	**400** V	Motor inertia	**0,5000** kgm²
Frequency	**50** Hz		
Power output	**18,5** 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	250%	589%		300%	

Schematic presentation of torque-speed curve



1

NOTE

All performance values at rated voltage and frequency.

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

Voltage, Frequency are as per IEC60034-1

Technical data are subject to change. There may be discrepancies between calculated and name plate values.

P000050442

Efficiency	Europe	Global IEC
Standards	EN-IEC: 60034-30	IEC: 60034-30

rotor is a ISO 9001 certified company

This is an uncontrolled copy, data can be changed anytime.