Datasheet

rotor nl

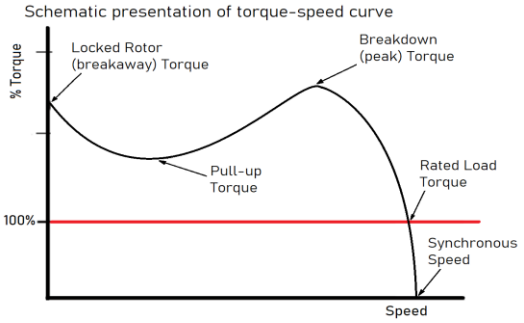
rotor WEG Group
Mors 1-5, 7151 MX Eibergen NL
www.rotor.nl tel.: +31 545 464640
sales@rotor.nl tel.: +31 545 464646

Model No. 4-Pole cage motor 6RN 132M 7,5kW D400V 50Hz IM2081-FF265

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	7,5	10	14,2	1465	48,9	IE3	90,9	91,3	90,6	0,84	0,80	0,71	8,20	2,44	3,46
690	Y				8,3												
460	D	60	8,6	11,53	14	1765	46,5	IE2	90,7	91,2	90,7	0,85	0,81	0,73	8,05	2,09	3,46

Motor type	**6RN132M04E32**		Degree of protection	**IP55**
Enclosure	**Totally Enclosed Fan Cooling**		Mounting type	**IM2081-FF265**
Frame Material	**Cast iron**		Cooling method	**IC411**
Frame size	**132M**		Motor weight - approx.	**81** kg
Duty	**S1**		Gross weight - approx.	**83** kg
Voltage	**400** V		Motor inertia	**0,0460** kgm²
Frequency	**50** Hz			
Power output	**7,5** kW		Vibration level	**according IEC60034-14**
Insulation class	**F**			
Ambient temperature	**-20 till 40** °C			
Temperature rise	**temp.rise acc. B**			
Temperature rise winding	**46** K			
Temperature rise surface	**21** K		Direction of rotation	**cw /ccw**
Altitude above sea level	**1000** mtr			
Hazardous area classification	**Safe area**			
Te time	0 sec			
Rotor type	**Cage motor**			
Bearing type	**6308-2Z/C3WT**			
Type of grease	**Unirex N3**			
Phase resistance at 20°C	**1,2000** Ohm			
Country of origin	**CZ**			

Schematic presentation of torque-speed curve



Voltage/Freq	Locked rotor Torque [% nom]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 400V 50Hz	244%	816%	210%	346%	5,36 A
@ D 460V 60Hz	209%	807%	176%	346%	5,15 A

NOTE

All performance values at rated voltage and frequency. P000014768

All performance parameters are subjected to standard tolerance as per IEC 60034-1 P000017314

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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