Datasheet

rotor nl

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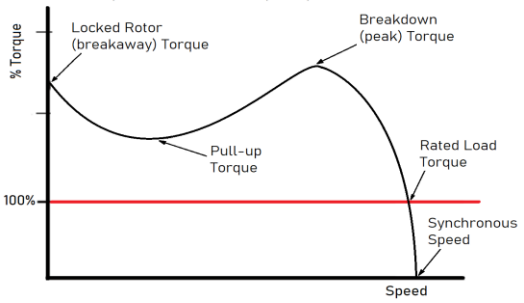
Model No. 4-Pole cage motor 6RD 180M 18,5kW D400V 50Hz IM2001-FF300

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	35,6	1477	119,6	IE3	92,6			0,83			6,98	2,21	3,10
690	Y				20,5												
460	D	60	21,3	28,55	34,8	1772	114,8	IE2	92,6			0,83			6,98	2,21	3,10

Motor type	**6RD180M4E3**	Degree of protection	**IP55**
Enclosure	**Totally Enclosed Fan Cooling**	Mounting type	**IM2001-FF300**
Frame Material	**Cast iron**	Cooling method	**IC411**
Frame size	**180M**	Motor weight - approx.	**310** kg
Duty	**S1**	Gross weight - approx.	**320** kg
Voltage	**400** V	Motor inertia	**0,1794** 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	**ExII2G Ex db eb IIC T4 Gb**		**PTC 150°C**
Te time	0 sec		
Rotor type	**Cage motor**		
Bearing type	**6310-2Z/C3**		
Type of grease	**Unirex N3**		
Country of origin	**IT**		

Voltage/Freq	Locked rotor Torque [% nom]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 400V 50Hz	221%	696%		310%	16,8 A
@ D 460V 60Hz	221%	695%		310%	

Schematic presentation of torque-speed curve



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NOTE

All performance values at rated voltage and frequency. P000057518

All performance parameters are subjected to standard tolerance as per IEC 60034-1 P000067844

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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