

Model No. 4-Pole cage motor 6RD 180L 22kW D400V 50Hz IM1001

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	41,6	1474	142,5	IE3	93,0	0,82	7,46	2,42	3,30
690	Y				24								
460	D	60	22	30	37,4	1772	118,6	IE3	93,6 90,4 85,2	0,79 0,75 0,65	7,70	2,50	3,45

Motor type	6RD180LA4E3
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	180L
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	22 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	-
Temperature rise surface	
Altitude above sea level	1000 mtr
Hazardous area classification	ExII2G Ex db eb IIC T4 Gb
Te time	0 sec

Degree of protection	IP55
Mounting type	IM1001
Cooling method	IC411
Motor weight - approx.	340 kg
Gross weight - approx.	350 kg
Motor inertia	0,2041 kgm ²
Vibration level	according IEC60034-14

Rotor type	Cage motor
Bearing type	6310-2Z/C3

Type of grease	Unirex N3
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Country of origin	IT
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Voltage/Freq	Locked rotor Torque [% nom]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 400V 50Hz	242%	745%		330%	19,5 A
@ D 460V 60Hz	250%			345%	

NOTE

All performance values at rated voltage and frequency.

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

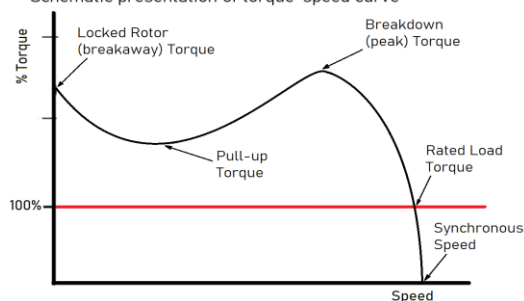
Voltage, Frequency are as per IEC60034-1

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

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

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

Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

