

Model No. 6-Pole cage motor 6RD 160M 7,5kW D400V 50Hz IM3001-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	7,5	10	14,8	976	73,4	IE3	89,1	0,82	5,59	1,78	2,50
690	Y				8,6								

Motor type	6RD160M6E3
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	160M
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	7,5 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

Rotor type	Cage motor
Bearing type	6309-2Z/C3

Type of grease	Unirex N3
----------------	-----------

Phase resistance at 20°C	1,3200 Ohm
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	178%	562%		250%	7,01 A

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.

Degree of protection	IP55
Mounting type	IM3001-FF300
Cooling method	IC411
Motor weight - approx.	203 kg
Gross weight - approx.	209 kg
Motor inertia	0,1374 kgm ²
Vibration level	according IEC60034-14
Direction of rotation	cw /ccw
	PTC 150°C

Schematic presentation of torque-speed curve



P000057511



Driving efficiency and sustainability

