

Model No. 2-Pole cage motor 6RD 180M 22kW 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	22	30	38,7	2963	70,9	IE3	92,7	0,88	7,82	2,05	3,40
690	Y				22,3								
460	D	60	22	30	34,5	3563	59,0	IE3	91,7	0,87	8,05	2,10	

Motor type	6RD180M2E3
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	180M
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

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	205%	782%		340%	15,6 A
@ D 460V 60Hz	210%	805%			

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

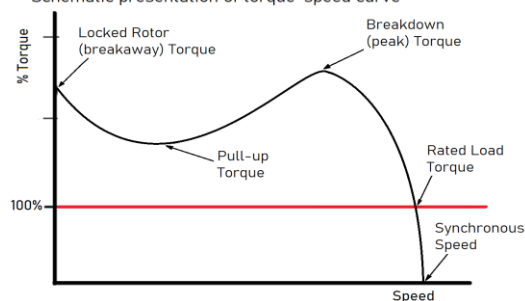
Technical data are subject to change. There may be discrepancies between calculated and name plate values.

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.	310 kg
Gross weight - approx.	320 kg
Motor inertia	0,1265 kgm ²
Vibration level	according IEC60034-14
Direction of rotation	cw /ccw
	PTC 150°C

Schematic presentation of torque-speed curve



P000057517
P000061982



Driving efficiency and sustainability

