

Model No. 4-Pole cage motor 6RD 225S 45kW D400V 50Hz IM3001-FF400

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	45	60,32	80,1	1484	289,6	IE3	94,2	0,85	7,52	2,36	2,90
690	Y				46,2								
460	D	60	45	60,32	71	1782	241,2	IE3	95,0 95,2 94,4	0,84 0,84 0,79	7,10	2,20	2,75
	Y												

Motor type	6RD225SM4E3
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	225S
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	45 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	6313-2Z/C3

Type of grease	Unirex N3
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Phase resistance at 20°C	0,2543 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	236%	751%		290%	29,2 A
@ D 460V 60Hz	220%	708%		275%	

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-FF400
Cooling method	IC411
Motor weight - approx.	530 kg
Gross weight - approx.	550 kg
Motor inertia	0,6745 kgm ²
Vibration level	according IEC60034-14

Direction of rotation	cw /ccw
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Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

