

Model No. 2-Pole cage motor 6RD 80M 0,75kW D230V 50Hz IM2101-FT100

U (V)	Δ / Y Conn	f [Hz]	P [kW]	P [hp]	I [A]	n [RPM]	T [Nm]	IE Class	% EFF at __ load			PF at __ load			I _A /I _N [pu]	T _A /T _N [pu]	T _K /T _N [pu]
									FL	3/4FL	1/2FL	FL	3/4FL	1/2FL			
230	D	50	0,75	1	2,76	2865	2,5	IE3	81,4	81,4	78,2	0,83	0,75	0,62	6,97	2,70	3,36
400	Y				1,59												
265	D	60	0,86	1,153	2,76	3438	2,4	IE3	81,4			0,83					
460	Y				1,59												

Motor type	6RD80MA2E3
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	80M
Duty	S1
Voltage	230 V
Frequency	50 Hz
Power output	0,75 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	6204-2Z

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 230V 50Hz	270%	695%		336%	1,82 A
@ D 265V 60Hz					

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	IM2101-FT100
Cooling method	IC411
Motor weight - approx.	28 kg
Gross weight - approx.	29 kg
Motor inertia	0,0010 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

