

Model No. 2-Pole cage motor 5RN 71M 0,55kW D400V 50Hz IM3641-FT85

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	0,55	0,737	1,34	2780	1,9	IE2	74,6	0,80	4,60	2,80	2,55
690	Y				0,773								
460	D	60	0,63	0,845	1,32	3380	1,8	IE2	76,4	0,80	5,10	3,05	2,89

Motor type	5RN71M02E23
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Aluminum
Frame size	71M
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	0,55 kW

Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. B
Temperature rise winding	46 K
Temperature rise surface	19 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area
Te time	0 sec

Rotor type	Cage motor
Bearing type	6202-2Z/C3WT

Type of grease	Unirex N3
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Phase resistance at 20°C	38,1000 Ohm
Country of origin	CZ

Voltage/Freq	Locked rotor Torque [% nom]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 400V 50Hz	280%	459%	160%	255%	0,8 A
@ D 460V 60Hz	305%	509%	160%	289%	0,73 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	IM3641-FT85
Cooling method	IC411
Motor weight - approx.	08 kg
Gross weight - approx.	08 kg
Motor inertia	0,0005 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

