

Model No. 2-Pole cage motor 5RN 90S 1,5kW D230V 50Hz IM3641-FT115

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]
230	D	50	1,5	2	5,28	2890	5,0	IE2	81,3 81,3 80,3	0,87 0,84 0,76	7,00	3,50	3,50
400	Y				3,05								
265	D	60	1,75	2 1/3	5,2	3490	4,8	IE2		0,84			
460	Y				3								

Motor type	5RN90S02E20
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	90S
Duty	S1
Voltage	230 V
Frequency	50 Hz
Power output	1,5 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	-
Temperature rise winding	60 K
Temperature rise surface	17 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area
Te time	0 sec

Degree of protection	IP55
Mounting type	IM3641-FT115
Cooling method	IC411
Motor weight - approx.	13 kg
Gross weight - approx.	13 kg

Vibration level according IEC60034-14

Direction of rotation cw / ccw

Rotor type	Cage motor
Bearing type	6205-2Z/C3WT

Type of grease	Unirex N3
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Country of origin	CZ
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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	350%	698%	280%	350%	
@ 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.

Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

