

Model No. 4-Pole cage motor 5RN 90S 1,1kW D400V 50Hz IM1081

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			
400	D	50	1,1	1 1/2	2,55	1440	7,3	IE2	81,4	81,4		0,77			6,67	2,70	3,20
690	Y				1,47												
460	D	60	1,3	1,743	2,5	1729	7,2	IE2	84,0			0,77			6,40	2,70	3,20

Motor type	5RN90S04E20
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	90S
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	1,1 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	-
Temperature rise winding	33 K
Temperature rise surface	14 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area
Te time	0 sec

Degree of protection	IP55
Mounting type	IM1081
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

Phase resistance at 20°C	16,0000 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	270%	666%	220%	320%	1,6 A
@ D 460V 60Hz	270%	640%		320%	

NOTE

All performance values at rated voltage and frequency.

All performance parameters are subjected to standard tolerance as per IEC 60034-1

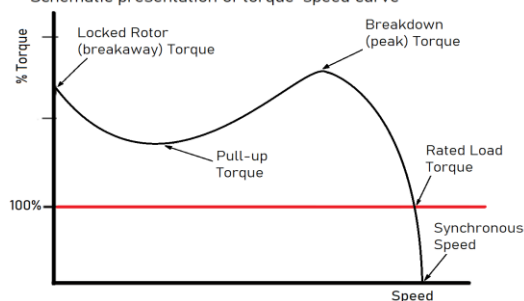
Voltage, Frequency are as per IEC60034-1

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

