

Model No. 2-Pole cage motor TCA 90S 1,5kW D230V 50Hz IM2001-FF165

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	1,5	2	5,23	2888	5,0	IE3	84,3	84,9	83,3	0,84	0,78	0,65	7,50	3,50	3,50
400	Y				3,05												
265	D	60	1,73	2,319	5,1	3487	4,7	IE2	84,0	84,0	82,8	####	0,81	0,69	8,40	3,62	3,72
460	Y				3												

Motor type	TCA90S2E3
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	57 K
Temperature rise surface	32 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Degree of protection	IP55
Mounting type	IM2001-FF165
Cooling method	IC411
Motor weight - approx.	23 kg
Gross weight - approx.	24 kg
Vibration level	according IEC60034-14
Direction of rotation	cw / ccw
	PTC 150°C

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

Type of grease	Chevron SRI-2
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Country of origin	CN
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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%	749%		350%	1,19 A
@ D 265V 60Hz	362%	847%		372%	

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

