

Model No. 4-Pole cage motor TCA 90L 1,5kW D230V 50Hz IM3641-FT130

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	5,62	1449	9,9	IE3	85,6	0,78	7,40	3,00	3,40
400	Y				3,24								
265	D	60	1,7	2,279	5,54	1740	9,3	IE2	84,0 84,0 83,5	0,80	8,01	3,05	3,51
460	Y				3,19								

Motor type	TCA90L4E3
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	90L
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	47 K
Temperature rise surface	35 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Degree of protection	IP55
Mounting type	IM3641-FT130
Cooling method	IC411
Motor weight - approx.	29 kg
Gross weight - approx.	30 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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Phase resistance at 20°C	3,7478 Ohm
Country of origin	CN

Voltage/Freq	Locked rotor Torque [% nom]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 230V 50Hz	300%	738%		340%	
@ D 265V 60Hz	305%	799%		351%	

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

