

Model No. 2-Pole cage motor TCA 160L 18,5kW D400V 50Hz IM2001-FF300

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	18,5	24,8	32,1	2953	59,8	IE3	92,4	92,4	92,5	0,90	0,87	0,80	7,38	2,60	3,60
690	Y				18,6												
460	D	60	21,3	28,55	32	3551	57,3	IE3	91,7	91,7	92,2	0,91	0,90	0,83	8,20	2,66	3,61

Motor type	TCA160LA2E3
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	160L
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	18,5 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	-
Temperature rise winding	70 K
Temperature rise surface	-
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Degree of protection	IP55
Mounting type	IM2001-FF300
Cooling method	IC411
Motor weight - approx.	149 kg
Gross weight - approx.	153 kg
Motor inertia	0,0900 kgm²
Vibration level	according IEC60034-14
Direction of rotation	cw / ccw
	PTC 150°C

Rotor type	Cage motor
Bearing type	6209-2Z/C3WT
Type of grease	Chevron SRI-2

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 400V 50Hz	260%	735%		360%	9,49 A
@ D 460V 60Hz	266%	815%		361%	

NOTE

All performance values at rated voltage and frequency.

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

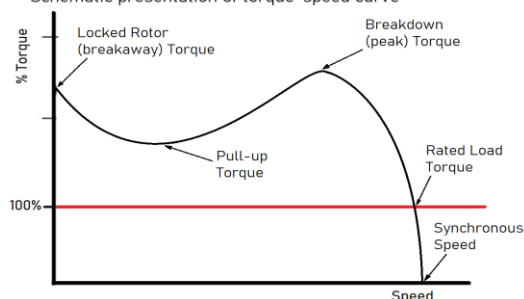
Voltage, Frequency are as per IEC60034-1

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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