

Model No. 2-Pole cage motor TCA 315L 160kW D400V 50Hz IM1001

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]
400	D	50	160	214,5	274	2983	512,2	IE3	95,7	0,88	6,40	1,83	3,06
690	Y				159								
460	D	60	184	246,6	267	3580	490,8	IE2	95,4 95,1 93,9	0,90	7,30	2,20	3,42

Motor type	TCA315LA2E3
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	315L
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	160 kW

Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	-
Temperature rise winding	78 K
Temperature rise surface	32 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Rotor type	Cage motor
Bearing type	6316/C3
Lubrication method	30gr/3000hrs
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	183%	638%		306%	76,2 A
@ D 460V 60Hz	220%	730%		342%	

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.

Degree of protection	IP55
Mounting type	IM1001
Cooling method	IC411
Motor weight - approx.	1080 kg
Gross weight - approx.	1110 kg
Motor inertia	2,6200 kgm²
Vibration level	according IEC60034-14

Direction of rotation	cw / ccw
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PTC 150°C

Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

