

Model No. 4-Pole cage motor TCA 315L 160kW D400V 50Hz IM3011-FF600

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	160	214,5	275	1489	1026,2	IE3	95,9	96,0	95,6	0,88	0,86	0,79	8,40	2,81	3,80
690	Y				158												
460	D	60	184	246,6	274	1787	983,3	IE2	95,0	95,0	94,8	0,89			8,30	2,80	3,80
	Y																

Motor type	TCA315LA4E3
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	temp.rise acc. F
Temperature rise winding	65 K
Temperature rise surface	25 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Rotor type	Cage motor
Bearing type	6319/C3
Lubrication method	40gr/6000hrs
Type of grease	Chevron SRI-2

Phase resistance at 20°C	0,0303 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 400V 50Hz	281%	829%		380%	83 A
@ D 460V 60Hz	280%	828%		380%	

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	IM3011-FF600
Cooling method	IC411
Motor weight - approx.	1080 kg
Gross weight - approx.	1110 kg

Vibration level **according IEC60034-14**

Direction of rotation **cw / ccw**

PTC 150°C

Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

