

Model No. 8-Pole cage motor TCA 315M 90kW 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 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	90	120	183	743	1156,8	IE3	93,4	0,76	5,35	1,85	2,20
690	Y				106								
460	D	60	104	139,4	178	892	1113,5	IE3	94,1	0,78	5,05	1,85	1,84
					102								

Motor type	TCA315MC8E3
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	315M
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	90 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

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

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	185%	537%		220%	89,5 A
@ D 460V 60Hz	185%	505%		184%	

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.	1020 kg
Gross weight - approx.	1050 kg

Vibration level	according IEC60034-14
-----------------	------------------------------

Direction of rotation	cw /ccw
-----------------------	----------------

PTC 150°C

Schematic presentation of torque-speed curve



P000019731

P000019732



Driving efficiency and sustainability

