

Model No. 4-Pole cage motor TCA 315M 132kW 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	132	175	230	1489	846,6	IE3	95,6	0,86	7,30	2,11	3,14
690	Y				133								
460	D	60	152	203,8	226	1786	812,8	IE2	95,0 95,0 94,4	0,89	8,40	2,80	3,75

Motor type	TCA315MB4E3
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	315M
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	132 kW

Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	-
Temperature rise winding	74 K
Temperature rise surface	44 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	0,0317 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	211%	730%		314%	71,2 A
@ D 460V 60Hz	280%	840%	245%	375%	

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.	1010 kg
Gross weight - approx.	1040 kg
Motor inertia	3,7582 kgm²
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

