

Model No. 2-Pole cage motor TCA 315S 110kW D400V 50Hz IM2001-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	110	150	189	2983	352,2	IE3	95,3	0,88	7,17	2,00	3,60
690	Y				109								
460	D	60	127	170,2	189	3582	338,6	IE2	94,5 94,2 92,5	0,89	7,30	2,00	3,60

Motor type	TCA315S2E3
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	315S
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	110 kW

Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	-
Temperature rise winding	46 K
Temperature rise surface	14 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

Phase resistance at 20°C	0,0266 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	200%	714%	160%	360%	55,1 A
@ D 460V 60Hz	200%	730%	160%	360%	57,2 A

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

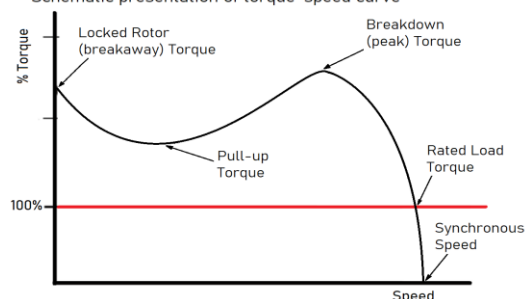
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Degree of protection	IP55
Mounting type	IM2001-FF600
Cooling method	IC411
Motor weight - approx.	920 kg
Gross weight - approx.	950 kg
Motor inertia	2,2000 kgm²
Vibration level	according IEC60034-14

Direction of rotation **cw / ccw**

PTC 150°C

Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

