

Model No. 2-Pole cage motor TCA 315S 110kW 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	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	Degree of protection	IP55
Enclosure	Totally Enclosed Fan Cooling	Mounting type	IM1001
Frame Material	Cast iron	Cooling method	IC411
Frame size	315S	Motor weight - approx.	920 kg
Duty	S1	Gross weight - approx.	950 kg
Voltage	400 V	Motor inertia	2,2000 kgm²
Frequency	50 Hz		
Power output	110 kW	Vibration level	according IEC60034-14
Insulation class	F		
Ambient temperature	-20 till 40 °C		
Temperature rise	-		
Temperature rise winding	46 K		
Temperature rise surface	14 K	Direction of rotation	cw /ccw
Altitude above sea level	1000 mtr		
Hazardous area classification	Safe area		PTC 150°C
Rotor type	Cage motor		
Bearing type	6316/C3		
Lubrication method	30gr/3000hrs		
Type of grease	Chevron SRI-2		

	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.

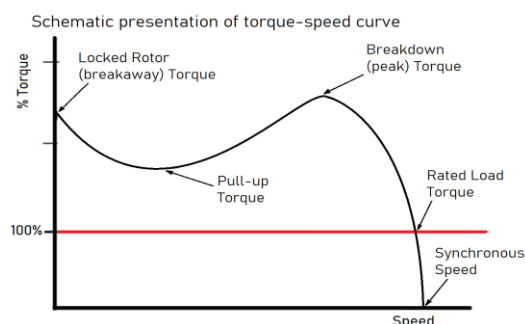
All performance parameters are subjected to standard tolerance as per IEC 60034-1

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

This is an uncontrolled copy, data can be changed anytime.



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