

Model No. 6-Pole cage motor LOD 500 1000kW D690V 50Hz IM3011-F1320

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]
690	D	50	1000	1340	1030	991	9636,7	N/A	94,5	0,86	6,30	1,22	2,50

Motor type	LOD5001-6
Enclosure	IP23 Free circulation
Frame Material	Steel
Frame size	500
Duty	S1
Voltage	690 V
Frequency	50 Hz
Power output	1000 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	-
Temperature rise surface	
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area
Rotor type	Cage motor
Bearing type	7330 BCBM
Lubrication method	120gr/4000hrs
Type of grease	Chevron SRI-2

Phase resistance at 20°C	0,0109 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 690V 50Hz	122%	629%		250%	219 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

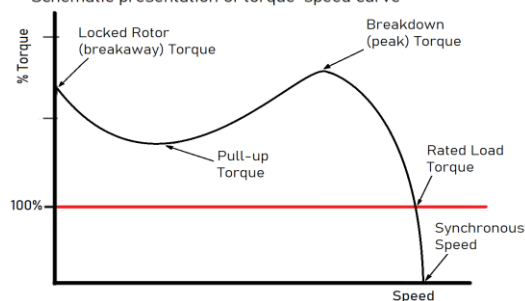
Technical data are subject to change. There may be discrepancies between calculated and name plate values.

Efficiency	Europe	Global IEC
Standards	EN-IEC: 60034-30	IEC: 60034-30

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

Degree of protection	IP23
Mounting type	IM3011-F1320
Cooling method	IC01
Motor weight - approx.	6500 kg
Gross weight - approx.	6700 kg
Motor inertia	37,7000 kgm²
Vibration level	according IEC60034-14
Direction of rotation	cw /ccw
PTC 150°C	
Standby heater	
PT100 Winding 3Wire x6	
PT 100 Bearing 3Wire x2	

Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

