

Model No. 8-Pole cage motor LOD 500 800kW D690V 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]
690	D	50	800	1072	879	744	10268,8	N/A	92,5	0,82	6,10	1,20	2,53

Motor type	LOD5002-8
Enclosure	IP23 Free circulation
Frame Material	Steel
Frame size	500
Duty	S1
Voltage	690 V
Frequency	50 Hz
Power output	800 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

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	120%	1055%		253%	393 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	IM1001
Cooling method	IC01
Motor weight - approx.	6500 kg
Gross weight - approx.	6700 kg
Motor inertia	40,1000 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



P000055814



Driving efficiency and sustainability

