

Model No. 4-Pole cage motor LOD 400 800kW D400V 50Hz IM2001-F1080

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	800	1072	1390	1488	5134,4	N/A	94,0	0,88	5,20	0,90	2,51
690	Y				806								
460	D	60	920	1233	1390	1785	4922,1	< IE1	94,0	0,88	4,98	0,73	2,30

Motor type	LOD4002-4
Enclosure	IP23 Free circulation
Frame Material	Steel
Frame size	400
Duty	S1
Voltage	400 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	7326 BCBM
Lubrication method	85gr/4000hrs
Type of grease	Chevron SRI-2

Phase resistance at 20°C	0,0050 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	90%	521%		251%	252 A
@ D 460V 60Hz	73%	557%		230%	242 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	IM2001-F1080
Cooling method	IC01
Motor weight - approx.	4080 kg
Gross weight - approx.	4200 kg
Motor inertia	18,9000 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

