

# Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1CV2317C

- 315 L - IM B3 - 6p

Client order no.	Item-No.	Offer no.
Order no.	Consignment no.	Project

Remarks

## Electrical data

U [V]	Δ / Y	f [Hz]	P [kW]	I [A]	n [1/min]	M [Nm]	M <sub>Brake</sub> [Nm]	M <sub>max</sub> [Nm]	Nom. Eff. [%] 4/4 load	Power factor 4/4 load	Operating mode	IE-CL
480	Δ	50	214.00	325.00	990	2064	6190.0	4761.5	95.0	0.83	S1	IE2
480	Δ	50	239.00	354.17	988	2310				0.86	S3 – 60%	IE2
480	Δ	50	269.00	400.00	986	2605				0.86	S3 – 40%	IE2
480	Δ	50	310.00	458.33	985	3005				0.87	S3 – 25%	IE2
IM B3 / IM 1001			FS 315 L		1505 kg		IP55	IEC/EN 60034				
Environmental conditions : -20 °C - +40 °C / 1000 m												

## Mechanical data

Moment of inertia	5.6000 kg m <sup>2</sup>	Vibration severity grade	A
Bearing DE   NDE	6319 C3   6319 C3	Insulation	155(F) to 130(B)
L <sub>10mh</sub> F <sub>Rad min</sub> for coupling operation 50 60Hz <sup>1)</sup>	40000 h   32000 h	Direction of rotation	bidirectional
Relubrication interval/quantity DE   NDE	40 g   40 g 6000 h	Frame material	cast iron
Lubricants	Unirex N3	Data of anti condensation heating	-/- V, -/- W
Regreasing device	Yes (standard)	Coating (paint finish)	Special paint finish, resistant to salt-laden air C4
Grease nipple	M10x1 DIN 3404 A	Color, paint shade	RAL7030
Type of bearing	Locating bearing DE	Motor protection	(A) (Standard) Without
Condensate drainage holes	(Standard) Yes	Method of cooling	IC 416 - separately ventilated, surface cooled
External earthing terminal	(Standard) Yes		

## Terminal box

Terminal box position	top	Cable diameter from ... to ...	38.0 mm - 45.0 mm
Material of terminal box	cast iron	Cable entry	2xM63x1,5
Type of terminal box	TB1 Q01	Cable gland	-/- -/-
Contact screw thread	6xM12		
Max. cross-sectional area	185.0 mm <sup>2</sup>		

### Notes:

I<sub>L</sub>/I<sub>N</sub> = locked rotor current / current nominal  
M<sub>L</sub>/M<sub>N</sub> = locked rotor torque / torque nominal  
M<sub>d</sub>/M<sub>N</sub> = break down torque / nominal torque  
1) L10mh according to DIN ISO 281 10/2010  
2) at rated power / at full load  
3) Value is valid only for DOL operation with motor design IC411

responsible dep. DI MC LVM	technical reference	created by DT Configurator	approved by	<i>Technical data are subject to change! There may be discrepancies between calculated and rating plate values.</i>			
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**Special design**

M4L 480 VD for 50 Hz

**Notes:**

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