

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



Motor type : 1CV3130B

SIMOTICS SD - 132 S - IM V1 - 4p

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

Remarks

Electrical data

Safe Area

U [V]	Δ / Y	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	$\eta^{3)}$			$\cos\phi^{3)}$			I_A/I_N	M_A/M_N	M_K/M_N	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4	I_l/I_N	T_l/T_N	T_B/T_N	
380	Δ	60	5.50	-/-	11.20	1775	29.5	89.5	89.4	88.2	0.83	0.78	0.68	8.2	2.6	3.9	IE2
660	Y	60	5.50	-/-	6.50	1775	29.5	89.5	89.4	88.2	0.83	0.78	0.68	8.2	2.6	3.9	IE2
IM V1 / IM 3011		FS 132 S		74 kg		IP55		IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

Environmental conditions : -20 °C - +50 °C / 1,000 m

Locked rotor time (hot / cold) : 15.3 s | 20.4 s

These values are calculated. The final rating plate data will be calculated when the order is placed

The efficiency values and efficiency class according to EuP directive are valid for standard power ratings under standard conditions.

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	64.0 / 76.0 dB(A) ²⁾	68.0 / 80.0 dB(A) ²⁾	External earthing terminal	No
Moment of inertia	0.0340 kg m ²		Vibration severity grade	A
Bearing DE NDE	6308 2Z C3	6308 2Z C3	Insulation	155(F) to 130(B)
bearing lifetime			Duty type	S1
L _{10mh} F _{Rad min} for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Direction of rotation	bidirectional
Lubricants	Unirex N3		Frame material	cast iron
Regreasing device	No		Coating (paint finish)	Special paint finish C3
Grease nipple	-/-		Color, paint shade	RAL7030
Type of bearing	Preloaded bearing DE		Motor protection	(B) 3 PTC thermistors - for tripping (standard) (2 terminals)
Condensate drainage holes	Yes (standard)		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

Terminal box position	top	Max. cross-sectional area	6.0 mm ²
Material of terminal box	cast iron	Cable diameter from ... to ...	11.0 mm - 21.0 mm
Type of terminal box	TB1 H01	Cable entry	2xM32x1,5-1xM16x1,5
Contact screw thread	M4	Cable gland	3 plugs

Notes:

I_A/I_N = locked rotor current / current nominal
 M_A/M_N = locked rotor torque / torque nominal
 M_K/M_N = 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		Technical data are subject to change! There may be discrepancies between calculated and rating plate values.			
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Special design

B02	Acceptance test certificate 3.1 acc. to EN 10204	N06	Temperature class 155 (F), utilised to 130 (B), cooling medium temperature 50°C, power reduced
H00	Canopy	N30	Increased air humidity/temperature with 30 to 60 g water per m3 air
M2B	380 VD/660 VY for 60 Hz, 50-Hz power	Y56	Paint finish in special RAL colours

Notes:

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