

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



Motor type : 1AV3130A

SIMOTICS GP - 132 S - IM B35 - 2p

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

Remarks

## Electrical data

## Safe Area

U [V]	$\Delta / Y$	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	$\eta$ <sup>3)</sup>			$\cos\phi$ <sup>3)</sup>			$I_A/I_N$ $I_f/I_N$	$M_A/M_N$ $T_f/T_N$	$M_K/M_N$ $T_B/T_N$	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4				
<b>DOL duty (S1) - 155(F) to 130(B)</b>																	
400	$\Delta$	50	5.50	-/-	10.10	2945	17.8	89.2	89.5	88.6	0.88	0.84	0.73	8.9	2.5	3.8	IE3
690	Y	50	5.50	-/-	5.90	2945	17.8	89.2	89.5	88.6	0.88	0.84	0.73	8.9	2.5	3.8	IE3
460	$\Delta$	60	6.30	-/-	10.00	3540	17.0	88.5	89.0	88.1	0.89	0.84	0.75	9.9	2.6	4.0	IE2
460	$\Delta$	60	5.50	-/-	8.90	3550	14.8	89.5	89.0	87.0	0.87	0.82	0.71	11.1	3.0	4.6	IE3
IM B35 / IM 2001		FS 132 S				IP55			IEC/EN 60034		IEC, DIN, ISO, VDE, EN						

Environmental conditions : -20 °C - +40 °C / 1,000 m

Locked rotor time (hot / cold) : 10.3 s | 14.1 s

## Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	68 / 80 dB(A) <sup>2)</sup>	72 / 84 dB(A) <sup>2)</sup>	Vibration severity grade	A
Moment of inertia	0.0168 kg m <sup>2</sup>		Thermal class	F
Bearing DE   NDE	6208 2Z C3	6208 2Z C3	Duty type	S1
<b>bearing lifetime</b>			Direction of rotation	bidirectional
$L_{10mh}$ , $F_{Rad min}$ 50 60Hz <sup>1)</sup> for coupling operation	40000 h	32000 h	Frame material	aluminum
Lubricants	Unirex N3		Net weight of the motor (IM B3)	48 kg
Regreasing device	No		Coating (paint finish)	Standard paint finish C2
Grease nipple	-/-		Color, paint shade	RAL7030
Type of bearing	Preloaded bearing DE		Motor protection	(A) without (Standard)
Condensate drainage holes	No		Method of cooling	IC411 - self ventilated, surface cooled
External earthing terminal	No			

## Terminal box

Terminal box position	top	Max. cross-sectional area	6 mm <sup>2</sup>
Material of terminal box	Aluminium	Cable diameter from ... to ...	11 mm - 21 mm
Type of terminal box	TB1 H00	Cable entry	2xM32x1,5
Contact screw thread	M4	Cable gland	2 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	<i>Technical data are subject to change! There may be discrepancies between calculated and rating plate values.</i>	<a href="#">Link documents</a>
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**Special design**

H01 Bolted on mounting feet (instead of cast)

**Notes:**

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