

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



Motor type : 1AV1130C

SIMOTICS GP - 132 S - IM B3 - 6p

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

Remarks

Electrical data

Safe Area

U	Δ / Y	f	P	P	I	n	M	η ³⁾			cosφ ³⁾			I _A /I _N	M _A /M _N	M _K /M _N	IE-CL
[V]		[Hz]	[kW]	[hp]	[A]	[1/min]	[Nm]	4/4	3/4	2/4	4/4	3/4	2/4	I _I /I _N	T _I /T _N	T _B /T _N	
DOL duty (S1) - 155(F) to 130(B)																	
230	Δ	50	3.00	-/-	12.80	955	30.0	79.7	79.9	77.1	0.74	0.66	0.52	4.6	2.0	2.6	IE1
400	Y	50	3.00	-/-	7.30	955	30.0	79.7	79.9	77.1	0.74	0.66	0.52	4.6	2.0	2.6	IE1
460	Y	60	3.45	-/-	6.90	1150	28.5	83.5	83.7	81.4	0.75	0.67	0.55	4.6	1.9	2.3	IE1
IM B3 / IM 1001		FS 132 S				IP55	UKCA	IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

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

Locked rotor time (hot / cold) : 12.3 s | 24.3 s

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	63 / 75 dB(A) ^{2) 3)}	67 / 79 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.0170 kg m ²		Thermal class	F
Bearing DE NDE	6208 2Z C3	6208 2Z C3	Duty type	S1
bearing lifetime			Direction of rotation	bidirectional
L _{10mh} F _{Rad min} for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Frame material	aluminum
Lubricants	Unirex N3		Net weight of the motor (IM B3)	34 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 ²
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_K/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.	technical reference	created by	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.	Link documents
DI MC LVM		DT Configurator			
	document type				document status
	datasheet				released
	title				document number
	1LE1002-1CC02-2AA4-Z D22				
© Siemens AG 2022		rev.	creation date	language	Page
		929	2022-11-09	en	1/2



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



Motor type : 1AV1130C

SIMOTICS GP - 132 S - IM B3 - 6p

Special design

D22 Motor without CE character for export outside the EEA (see EU regulation 2019/1781)

Notes:

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.	Link documents
	document type datasheet				document status released
	title 1LE1002-1CC02-2AA4-Z D22				document number
© Siemens AG 2022				rev. 929	creation date 2022-11-09
				language en	Page 2/2

