

SIMOTICS GP - 132 S - IM B3 - 2p

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

Remarks

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)																	
380	Δ	50	5.27	-/-	10.30	2945	17.1	89.3	89.4	88.3	0.87	0.83	0.71	9.3	2.6	4.0	IE3
660	Y	50	5.27	-/-	5.90	2945	17.1	89.3	89.4	88.3	0.87	0.83	0.71	9.3	2.6	4.0	IE3
440	Δ	60	6.04	-/-	10.10	3540	16.3	88.6	88.9	87.8	0.88	0.83	0.74	10.3	2.7	4.2	IE2
440	Δ	60	5.50	-/-	9.30	3550	14.8	89.5	89.0	87.0	0.87	0.82	0.71	11.1	3.0	4.6	IE3
IM B3 / IM 1001			FS 132 S			IP55	UKCA	IEC/EN 60034		IEC, DIN, ISO, VDE, EN				Grade 3			

Environmental conditions : -20 °C - +45 °C / 1.000 m

Locked rotor time (hot / cold) : 10.8 s | 14.7 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	69 / 77 dB(A) ^{2) 3)}	74 / 82 dB(A) ^{2) 3)}	External earthing terminal	With
Moment of inertia	0.0168 kg m²		Vibration severity grade	A
Bearing DE NDE	6208 Z C3	6208 Z C3	Thermal class	F
bearing lifetime			Duty type	S1
L _{10mh} F _{Rad min} for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Direction of rotation	bidirectional
Relubrication interval/quantity DE NDE	10 g 10 g 4000 h		Frame material	aluminum
Lubricants	Unirex N3		Net weight of the motor (IM B3)	48 kg
Regreasing device	With		Coating (paint finish)	Standard paint finish C2
Grease nipple	M8x1 DIN 71412		Color, paint shade	RAL7030
Type of bearing	Preloaded bearing DE		Motor protection	(A) without (Standard)
Condensate drainage holes	Without		Method of cooling	IC411 - self ventilated, surface cooled

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 glands

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.	technical reference	created by	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		Link documents	
IN LVM		SPC					
	document type			document status			
	datasheet			released			
	title			document number			
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	D34+H04+L23+N05+R18			rev.	creation date	language	Page
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1AV3130A

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Special design

D34	China Energy Efficiency Label	N05	Temperature class 155 (F), utilised to 130 (B), cooling medium temperature 45°C, power reduced
H04	External grounding at housing	R18	Cable gland metal, max. number
L23	Regreasing system		

Notes:

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	title 1LE1003-1CA03-3AA4-Z D34+H04+L23+N05+R18			document number	
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