

SIMOTICS SD - 132 S - IM B3 - 4p

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)																	
500	Δ	50	5.50	-/-	8.60	1470	35.5	89.6	90.0	89.4	0.82	0.77	0.67	8.5	2.9	3.7	IE3
575	Δ	60	6.30	-/-	8.30	1770	34.0	91.7	92.0	91.3	0.83	0.79	0.69	8.7	2.7	3.7	IE3
575	Δ	60	5.50	7.50	7.60	1775	29.5	91.7	91.6	90.5	0.81	0.76	0.65	10.0	3.1	4.2	MG1
IM B3 / IM 1001			FS 132 S		CC032A		IP55	UKCA		IEC/EN 60034		IEC, EN, UL, CSA, NEMA MG1-12-12			kVA Code: M		

Environmental conditions : -20 °C - +40 °C / 1000 m

Locked rotor time (hot / cold) : 22.8 s | 29.1 s

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	64 / 76 dB(A) ^{2) 3)}	68 / 80 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.0340 kg m²		Thermal class	F
Bearing DE NDE	6208 2Z C3	6208 2Z C3 INS	Duty type	S1
bearing lifetime			Direction of rotation	bidirectional
L _{10mh} F _{ad min} for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Frame material	cast iron
Regreasing device	Without		Net weight of the motor (IM B3)	74 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Preloaded bearing DE		Color, paint shade	RAL7030
Bearing insulation DE / Bearing insulation NDE	Yes (non-drive end)		Motor protection	(C) 6 PTC thermistors - for alarm and tripping (4 terminals)
Condensate drainage holes	With (standard)		Method of cooling	IC411 - self ventilated, surface cooled
External earthing terminal	Without			

Terminal box

Terminal box position	top	Max. cross-sectional area	6 mm²
Material of terminal box	cast iron	Cable diameter from ... to ...	11 mm - 21 mm
Type of terminal box	TB1 J01	Cable entry	2xM32x1,5-1xM16x1,5
Contact screw thread	M4	Cable gland	2 glands, 1 plug

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) L_{10mh} 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			
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1CV3130B

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Special design

L51	Bearing insulation NDE	R50	Larger terminal box
Q36	2 Pt1000 resistance thermometers (4 terminals)	R62	Cast iron auxiliary terminal box (small)
R18	Cable gland metal, max. number		

Notes:

responsible dep. IN LVM	technical reference	created by SPC	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			
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