

SIMOTICS SD - 280 M - IM B5 - 6p

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

Remarks

Safe Area

U	Δ / Y	f	P	P	I	n	M	$\eta^{3)}$			$\cos\varphi^{3)}$			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_A/I_N	T_A/T_N	T_B/T_N	
380	Δ	50	55.00	-/-	107.00	986	530.0	91.9	92.5	92.6	0.85	0.81	0.71	6.7	2.6	2.6	IE1
660	Y	50	55.00	-/-	62.00	986	530.0	91.9	92.5	92.6	0.85	0.81	0.71	6.7	2.6	2.6	IE1
440	Δ	60	66.00	-/-	110.00	1185	530.0	93.0	93.7	93.6	0.85	0.82	0.74	6.4	2.6	2.4	IE1
IM B5 / IM 3001			FS 280 M		500 kg		IP55			IEC/EN 60034		IEC, DIN, ISO, VDE, EN					

Locked rotor time (hot / cold) : 22.3 s | 22.3 s

Sound level (SPL / SWL) at 50Hz 60Hz	63.0 / 77.0 dB(A) ²⁾	67.0 / 81.0 dB(A) ²⁾	External earthing terminal	Yes (standard)
Moment of inertia	1.3000 kg m²		Vibration severity grade	A
Bearing DE NDE	6317 C3	6317 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
Relubrication interval/quantity DE NDE	30 g 8000 h	30 g	Frame material	cast iron
Lubricants	Unirex N3		Coating (paint finish)	Standard paint finish C2
Regreasing device	Yes (standard)		Color, paint shade	RAL7030
Grease nipple	M10x1 DIN 3404 A		Motor protection	(A) without (Standard)
Type of bearing	Locating bearing NDE		Method of cooling	IC411 - self ventilated, surface cooled
Condensate drainage holes	Yes (standard)			

Terminal box position	top	Max. cross-sectional area	120.0 mm²
Material of terminal box	cast iron	Cable diameter from ... to ...	34.0 mm - 42.0 mm
Type of terminal box	TB1 N01	Cable entry	2xM63x1,5
Contact screw thread	M10	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.	technical reference	created by	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.			
DI MC LVM		DT Configurator					
	document type			document status		customer	
	datasheet			released			
© Siemens AG 2021	title			document number			
	1LE1502-2DC23-3FA4-Z						
	D22			rev.	creation date	language	Page
				01	2021-04-22 19:59	en	1/2

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



Motor type : 1CV1282C

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Special design

D22 motor without CE character for export outside the EEA (see EU regulation 640/2009)

Notes:

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	title 1LE1502-2DC23-3FA4-Z				document number			
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