

SIMOTICS SD - 280 M - 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)																	
400	Δ	50	90.00	-/-	159.00	1486	580.0	94.2	94.3	93.6	0.87	0.84	0.75	7.3	2.6	3.1	IE2
690	Y	50	90.00	-/-	92.00	1486	580.0	94.2	94.3	93.6	0.87	0.84	0.75	7.3	2.6	3.1	IE2
460	Δ	60	104.00	-/-	158.00	1785	560.0	95.0	95.1	94.3	0.87	0.85	0.77	7.2	2.5	3.1	IE2
460	Δ	60	90.00	-/-	137.00	1788	480.0	94.5	94.3	93.3	0.87	0.84	0.75	8.1	2.9	3.4	IE2
IM B3 / IM 1001			FS 280 M			IP55	UKCA	IEC/EN 60034			IEC, DIN, ISO, VDE, EN						
Environmental conditions : -20 °C - +40 °C / 1,000 m									Locked rotor time (hot / cold) : 20.3 s 35.5 s								

Sound level (SPL / SWL) at 50Hz 60Hz	71 / 85 dB(A) ^{2) 3)}	78 / 92 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	1.4000 kg m ²		Thermal class	F
Bearing DE NDE	6317 C4	6317 C4	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	cast iron
Lubricants	Unirex N3		Net weight of the motor (IM B3)	570 kg
Regreasing device	Yes (standard)		Coating (paint finish)	Standard paint finish C2
Grease nipple	M10x1 DIN 3404 A		Color, paint shade	RAL7030
Type of bearing	Locating bearing DE		Motor protection	(B) 3 PTC thermistors - for tripping (2 terminals)
Condensate drainage holes	Yes (standard)		Method of cooling	IC411 - self ventilated, surface cooled
External earthing terminal	Yes (standard)			

Terminal box position	top	Max. cross-sectional area	120 mm²
Material of terminal box	cast iron	Cable diameter from ... to ...	34 mm - 42 mm
Type of terminal box	TB1 N01	Cable entry	2xM63x1,5-2xM20x1,5
Contact screw thread	M10	Cable gland	4 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 IC4111

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			
	1LE1501-2DB23-4AB4-Z						
	B02+D22+LS1			rev.	creation date	language	Page
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1CV2282B

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Special design

B02	Acceptance test certificate 3.1 acc. to EN 10204	L51	Bearing insulation NDE
D22	Motor without CE character for export outside the EEA (see EU regulation 2019/1781)		

Notes:

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	document type datasheet			document status released			
	title 1LE1501-2DB23-4AB4-Z			document number			
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