

SIMOTICS SD - 280 M - IM B3 - 2p

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

Remarks

Safe Area

U	Δ / Y	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	$\eta^{3)}$			$\cos\varphi^{3)}$			I_A/I_N	M_A/M_N	M_K/M_N	IE-CL
[V]								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	2975	290.0	93.0	93.1	92.4	0.88	0.86	0.79	7.1	2.5	3.1	IE1
690	Y	50	90.00	-/-	92.00	2975	290.0	93.0	93.1	92.4	0.88	0.86	0.79	7.1	2.5	3.1	IE1
460	Δ	60	101.00	-/-	153.00	3575	270.0	93.0	92.9	91.9	0.89	0.87	0.81	7.2	2.5	3.1	IE1
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) : 0 s 46.4 s								

Sound level (SPL / SWL) at 50Hz 60Hz	76 / 89 dB(A) ^{2) 3)}	81 / 95 dB(A) ^{2) 3)}	External earthing terminal	With (standard)
Moment of inertia	0.8300 kg m ²		Vibration severity grade	A
Bearing DE NDE	6315 C3	6315 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	25 g 25 g 4000 h		Frame material	cast iron
Lubricants	Unirex N3		Net weight of the motor (IM B3)	530 kg
Regreasing device	With (standard)		Coating (paint finish)	Standard paint finish C2
Grease nipple	M10x1 DIN 3404 A		Color, paint shade	RAL7030
Type of bearing	Locating bearing NDE		Motor protection	(A) without (Standard)
Condensate drainage holes	With (standard)		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box position	top	Max. cross-sectional area	120 mm²
Material of terminal box	cast iron	Cable diameter from ... to ...	34 mm - 45 mm
Type of terminal box	TB1 N01	Cable entry	2xM63x1,5
Contact screw thread	M10	Cable gland	2 plugs

Notes:

I_r/I_n = locked rotor current / current nominal	1) L10mh according to DIN ISO 281 10/2010	3) Value is valid only for DOL operation with motor design IC411
M_r/M_n = locked rotor torque / torque nominal	2) at rated power / at full load	
M_b/M_n = break down torque / nominal torque		

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	
SIEMENS	document type datasheet			document status released			
	title 1LE1502-2DA23-4AA4			document number			
© Siemens AG 2023				rev. 943	creation date 2023-05-28	language en	Page 1/1