

SIMOTICS SD - 250 M - IM V1 - 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	52.80	-/-	96.00	2975	169.5	94.3	94.4	93.7	0.89	0.86	0.79	7.0	2.4	3.2	IE3
660	Y	50	52.80	-/-	55.00	2975	169.5	94.3	94.4	93.7	0.89	0.86	0.79	7.0	2.4	3.2	IE3
440	Δ	60	59.52	-/-	93.00	3575	159.0	93.6	93.5	92.4	0.90	0.87	0.81	7.0	2.4	3.1	IE3
440	Δ	60	55.00	-/-	87.00	3578	147.0	93.6	93.4	92.3	0.89	0.87	0.79	7.3	2.5	3.3	IE3
IM V1 / IM 3011			FS 250 M			IP55	UKCA	IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

Locked rotor time (hot / cold) : 34.1 s | 54.3 s

The efficiency values and efficiency class according to EuP directive are valid for standard power ratings under standard conditions.

Sound level (SPL / SWL) at 50Hz 60Hz	73 / 87 dB(A) ^{2) 3)}	76 / 90 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.4600 kg m²		Thermal class	F
Bearing DE NDE	6215 Z C3	6215 Z C3	Duty type	S1
bearing lifetime			Direction of rotation	bidirectional
L _{10mh} F _{rad min} for coupling operation 50 60Hz ¹⁾	20000 h	16000 h	Frame material	cast iron
Regreasing device	Without		Net weight of the motor (IM B3)	385 kg
Grease nipple	-/-		Coating (paint finish)	Special paint finish C3
Type of bearing	Locating bearing DE		Color, paint shade	RAL7030
Condensate drainage holes	With (standard)		Motor protection	(A) without (Standard)
External earthing terminal	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 - 42 mm
Type of terminal box	TB1 N01	Cable entry	2xM63x1,5-2xM20x1,5
Contact screw thread	M10	Cable gland	1 gland, 3 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.		Link documents	
DI MC LVM		DT Configurator					
	document type			document status			
	datasheet			released			
	title			document number			
	1LE1503-2CA23-3GA4-Z						
	B02+H00+H07+L20+N05+Q02+R15+S02			rev.	creation date	language	Page
© Siemens AG 2023				943	2023-03-15	en	1/2

SIMOTICS SD - 250 M - IM V1 - 2p

B02	Acceptance test certificate 3.1 acc. to EN 10204	N05	Temperature class 155 (F), utilised to 130 (B), cooling medium temperature 45°C, power reduced
H00	Canopy	Q02	Anti-condensation heating for 230 V (2 terminals)
H07	Stainless steel screws and bolts (outside the motor)	R15	One metal cable gland
L20	Locating bearing, DE	S02	Special paint finish C3

Space heaters

Technical data: 1-phase, 230 V 92W

Notes:

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	
	document type datasheet			document status released			
	title 1LE1503-2CA23-3GA4-Z			document number			
© Siemens AG 2023	B02+H00+H07+L20+N05+Q02+R15+S02			rev. 943	creation date 2023-03-15	language en	Page 2/2