

SIMOTICS SD - 250 M - IM B5 - 2p

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

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	
400	Δ	50	55.00	-/-	97.00	2970	177.0	93.2	93.3	92.4	0.88	0.85	0.78	6.8	2.3	3.1	IE2
690	Y	50	55.00	-/-	56.00	2970	177.0	93.2	93.3	92.4	0.88	0.85	0.78	6.8	2.3	3.1	IE2
460	Δ	60	62.00	-/-	94.00	3570	166.0	93.0	92.8	91.6	0.89	0.87	0.80	6.8	2.3	3.1	IE2
460	Δ	60	55.00	-/-	83.00	3575	147.0	93.0	92.5	91.0	0.89	0.86	0.78	7.4	2.4	3.5	IE2
IM B5 / IM 3001			FS 250 M		360 kg		IP55			IEC/EN 60034		IEC, DIN, ISO, VDE, EN					

Locked rotor time (hot / cold) : 21 s | 37.6 s

Sound level (SPL / SWL) at 50Hz 60Hz	76.0 / 89.0 dB(A) ²⁾	80.0 / 94.0 dB(A) ²⁾	External earthing terminal	Yes (standard)
Moment of inertia	0.4000 kg m ²		Vibration severity grade	A
Bearing DE NDE	6215 Z C3	6215 Z 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
Lubricants	Unirex N3		Frame material	cast iron
Regreasing device	No		Coating (paint finish)	Standard paint finish C2
Grease nipple	-/-		Color, paint shade	RAL7030
Type of bearing	Locating bearing NDE		Motor protection	(A) without (Standard)
Condensate drainage holes	Yes (standard)		Method of cooling	IC411 - self ventilated, surface cooled

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

I_{lr}/I_{ln} = locked rotor current / current nominal M_{lr}/M_{ln} = locked rotor torque / torque nominal M_b/M_{ln} = 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
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responsible dep. DI MC LVM	technical reference	created by DT Configurator	approved by	<i>Technical data are subject to change! There may be discrepancies between calculated and rating plate values.</i>
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D22	motor without CE character for export outside the EEA (see EU regulation 640/2009)
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Notes:

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