

SIMOTICS SD - 250 M - IM V6 - 8p

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_I/I_N	T_I/T_N	T_B/T_N	
400	Δ	50	30.00	-/-	59.00	732	390.0	91.3	92.2	92.0	0.80	0.75	0.65	5.6	2.4	2.7	IE2
690	Y	50	30.00	-/-	34.50	732	390.0	91.3	92.2	92.0	0.80	0.75	0.65	5.6	2.4	2.7	IE2
460	Δ	60	36.00	-/-	60.00	880	390.0	91.7	92.5	92.5	0.82	0.78	0.69	5.4	2.2	2.5	IE2
460	Δ	60	30.00	-/-	52.00	885	325.0	91.0	91.3	90.5	0.79	0.74	0.62	6.4	2.7	3.0	IE2

IM V6 / IM 1031	FS 250 M	370 kg	IP55	IEC/EN 60034	IEC, DIN, ISO, VDE, EN
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Environmental conditions : -20 °C - +40 °C / 1,000 m

Locked rotor time (hot / cold) : 23.1 s | 35.8 s

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	60.0 / 73.0 dB(A) ²⁾	63.0 / 77.0 dB(A) ²⁾	External earthing terminal	Yes (standard)
Moment of inertia	0.8600 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

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

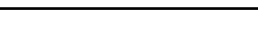
Notes:

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. 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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