

SIMOTICS SD - 250 M - IM B3 - 4p

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)																	
500	Δ	50	55.00	-/-	77.00	1482	355.0	94.6	95.1	95.0	0.87	0.84	0.76	6.8	2.5	2.9	IE3
575	Δ	60	63.00	-/-	77.00	1782	340.0	94.1	94.5	94.4	0.87	0.84	0.77	6.7	2.4	2.8	IE2
575	Δ	60	55.00	-/-	67.00	1786	295.0	95.4	95.6	95.1	0.86	0.83	0.74	7.6	2.8	3.2	IE3
IM B3 / IM 1001			FS 250 M			IP55		IEC/EN 60034		IEC, DIN, ISO, VDE, EN							
Environmental conditions : -20 °C - +40 °C / 1,000 m									Locked rotor time (hot / cold) : 34.4 s 54.1 s								

Sound level (SPL / SWL) at 50Hz 60Hz	66 / 79 dB(A) ²⁾	68 / 82 dB(A) ²⁾	Vibration severity grade	A
Moment of inertia	0.8500 kg m ²		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⁾	40000 h	32000 h	Frame material	cast iron
Lubricants	Unirex N3		Net weight of the motor (IM B3)	420 kg
Regreasing device	No		Coating (paint finish)	Standard paint finish C2
Grease nipple	-/-		Color, paint shade	RAL7030
Type of bearing	Locating bearing NDE		Motor protection	(C) 6 PTC thermistors - for alarm and tripping (4 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_L/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_L/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.	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			
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	B02+G06+H07+Q02+Y56			rev.	creation date	language	Page
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1CV3252B

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Special design

B02	Acceptance test certificate 3.1 acc. to EN 10204	Q02	Anti-condensation heating for 230 V (2 terminals)
G06	Mounting a rotary pulse encoder HOG 10 D 1024 I	Y56	Paint finish in special RAL colours
H07	Stainless steel screws and bolts (outside the motor)		

Additional information:

Space heaters

Technical data: 1-phase, 230 V 92W

Notes:

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