

SIMOTICS SD - 250 M - IM B5 - 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	
400	Δ	50		-/-		2970	240.0	94.7	94.9	94.5	0.90	0.89	0.83	6.8	2.2	2.9	IE3
690	Y	50		-/-		2970	240.0	94.7	94.9	94.5	0.90	0.89	0.83	6.8	2.2	2.9	IE3
IM B5 / IM 3001			FS 250 M		470 kg		IP55			IEC/EN 60034		IEC, DIN, ISO, VDE, EN					

Locked rotor time (hot / cold) : 36.9 s | 58.7 s

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	74.0 / 88.0 dB(A) ²⁾	78.0 / 92.0 dB(A) ²⁾	External earthing terminal	Yes (standard)
Moment of inertia	0.5600 kg m ²		Vibration severity grade	A
Bearing DE NDE	6315 C3	6315 C3	Insulation	155(F) to 155(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	Frame material	cast iron
Lubricants	Unirex N3		Coating (paint finish)	Special paint finish C3
Regreasing device	Yes (standard)		Color, paint shade	RAL7030
Grease nipple	M10x1 DIN 3404 A		Motor protection	(B) 3 PTC thermistors - for tripping (standard) (2 terminals)
Type of bearing	Locating bearing NDE		Method of cooling	IC411 - self ventilated, surface cooled
Condensate drainage holes	Yes (standard)			

Terminal box position	top	Max. cross-sectional area	0.0 mm²
Material of terminal box	cast iron	Cable diameter from ... to ...	0.0 mm - 0.0 mm
Type of terminal box	TB1 N41	Cable entry	2xM50x1,5
Contact screw thread	- / -	Cable gland	2 glands

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.			
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1CV3256A

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Special design

R23	6 cable ends brought out, 1.5m long	Y99	special motor design
Y52	Temperature class 155(F), utilized acc. to 155(F), customer indication of coolant temperature and/or installation altitude		

Notes:

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