

SIMOTICS SD - 250 M - IM B3 - 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	
DOL duty (S1) - 155(F) to 130(B)																	
400	Δ	50	55.00	-/-	95.00	2975	177.0	94.3	94.5	93.9	0.89	0.87	0.80	6.7	2.3	3.1	IE3
690	Y	50	55.00	-/-	55.00	2975	177.0	94.3	94.5	93.9	0.89	0.87	0.80	6.7	2.3	3.1	IE3
460	Δ	60	62.00	-/-	92.00	3575	166.0	93.6	93.6	92.7	0.90	0.88	0.82	6.7	2.3	3.0	IE3
460	Δ	60	55.00	-/-	83.00	3578	147.0	93.6	93.4	92.3	0.89	0.87	0.79	7.3	2.5	3.3	IE3
IM B3 / IM 1001			FS 250 M			IP55	UKCA	IEC/EN 60034		IEC, DIN, ISO, VDE, EN							
Environmental conditions : -20 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) : 34.1 s 54.3 s								

Sound level (SPL / SWL) at 50Hz 60Hz	73 / 87 dB(A) ^{2) 3)}	76 / 90 dB(A) ^{2) 3)}	External earthing terminal	With (standard)
Moment of inertia	0.4600 kg m²		Vibration severity grade	A
Bearing DE NDE	6215 C3	6215 C3	Thermal class	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	20 g 20 g 4000 h		Frame material	cast iron
Lubricants	Unirex N3		Net weight of the motor (IM B3)	385 kg
Regreasing device	With		Coating (paint finish)	Standard paint finish C2
Grease nipple	M10x1 DIN 3404 A		Color, paint shade	RAL7030
Type of bearing	Locating bearing NDE		Motor protection	(B) 3 PTC thermistors - for tripping (2 terminals)
Condensate drainage holes	With (standard)		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box position	right	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

3) Value is valid only for DOL operation with motor design IC411

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



Motor type : 1CV3252A

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Special design

L23	Regreasing system	Q72	2 Pt100 resistance thermometers for bearings (4 terminals)
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