

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



Motor type : 1CV3252D

SIMOTICS SD - 250 M - IM B3 - 8p

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

Remarks **Safe Area**

Electrical data -/-

U [V]	Δ / Y	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	η ³⁾			cosφ ³⁾			I _A /I _N I _f /I _N	M _A /M _N T _f /T _N	M _K /M _N T _B /T _N	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4				
DOL duty (S1) - 155(F) to 130(B)																	
380	Δ	50	30.00	-/-	63.00	735	390.0	91.3	91.8	91.5	0.79	0.73	0.62	6.1	2.6	3.0	IE3
660	Y	50	30.00	-/-	36.50	735	390.0	91.3	91.8	91.5	0.79	0.73	0.62	6.1	2.6	3.0	IE3
IM B3 / IM 1001		FS 250 M		IP55		UKCA		IEC/EN 60034		IEC, DIN, ISO, VDE, EN			Grade 3				
Environmental conditions : -20 °C - +40 °C / 1000 m										Locked rotor time (hot / cold) : 17.3 s 34.6 s							

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	60 / 74 dB(A) ^{2) 3)}	65 / 79 dB(A) ^{2) 3)}	External earthing terminal	With (standard)
Moment of inertia	0.8600 kg m ²		Vibration severity grade	A
Bearing DE NDE	6315 C3	6315 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	25 g 25 g 8000 h		Frame material	cast iron
Lubricants	Unirex N3		Net weight of the motor (IM B3)	370 kg
Regreasing device	With (standard)		Coating (paint finish)	Special paint finish C3
Grease nipple	M10x1 DIN 3404 A		Color, paint shade	RAL7030
Type of bearing	Locating bearing NDE		Motor protection	(F) 1 temperature sensor KTY84-130 (2 terminals)
Condensate drainage holes	With (standard)		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

Terminal box position	top	Max. cross-sectional area	120 mm ²
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

I_f/I_N = locked rotor current / current nominal
 M_f/M_N = locked rotor torque / torque nominal
 M_K/M_N = break down torque / nominal torque
 1) L_{10mh} 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 department IN LVM	Technical reference	Created by SPC	Approved by Created automatically	<i>Technical data are subject to change! There may be discrepancies between calculated and rating plate values.</i>	Link documents
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Special design

B02	Acceptance test certificate 3.1 acc. to EN 10204	G42	Prepared to mount components with D16 shaft
D34	China Energy Efficiency Label		

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