

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



Motor type : 1CD3222D

SIMOTICS XP - 225 M - IM V1 - 8p

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

Remarks **II 2G Ex db eb IIC T4 Gb**

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	M _A /M _N	M _K /M _N	IE-CL
								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)																	
380	Δ	50	22.00	-/-	48.00	732	285.0	90.6	91.3	90.9	0.77	0.71	0.59	5.9	2.6	2.9	IE3
660	Y	50	22.00	-/-	27.50	732	285.0	90.6	91.3	90.9	0.77	0.71	0.59	5.9	2.6	2.9	IE3
440	Δ	60	22.00	-/-	42.00	884	240.0	91.7	91.8	90.7	0.75	0.68	0.56	6.8	2.9	3.3	IE3
IM V1 / IM 3011		FS 225 M		IP55		IEC/EN 60034		Grade 3									
Environmental conditions : -20 °C - +40 °C / 1000 m										Locked rotor time (hot / cold) : 21.2 s 33 s							

Mechanical data


Sound level (SPL / SWL) at 50Hz 60Hz	56 / 70 dB(A) ^{2) 3)}	58 / 72 dB(A) ^{2) 3)}	Thermal class	F
Moment of inertia	0.5470 kg m ²		Duty type	S1
Bearing DE NDE	6313 C3	6313 C3	Direction of rotation	bidirectional
bearing lifetime			Frame material	cast iron
L _{10mh} F _{Rad min} for coupling operation 50 60Hz ¹⁾	20000 h	16000 h	Net weight of the motor	424 kg
Regreasing device	Without		Motor weight incl. options	426 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Locating bearing DE		Color, paint shade	RAL7030
Condensate drainage holes	Without		Motor protection	(B) 3 PTC thermistors - for tripping (2 terminals)
External earthing terminal	With (standard)		Method of cooling	IC411 - self ventilated, surface cooled
Vibration severity grade	A			

Terminal box

Terminal box position	top	Max. cross-sectional area	50 mm ²
Material of terminal box	cast iron	Cable diameter from ... to ...	27 mm - 35 mm
Type of terminal box	TB1 L21	Cable entry	-/-
Contact screw thread	M8		

I_A/I_N = locked rotor current / current nominal 1) L_{10mh} according to DIN ISO 281 10/2010 3) Value is valid only for DOL operation with motor design IC411
M_A/M_N = locked rotor torque / torque nominal 2) at rated power / at full load
M_K/M_N = break down torque / nominal torque

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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	D34	China Energy Efficiency Label
D32	Ex certification for China	H00	Canopy

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