

SIMOTICS XP - 250 M - IM V1 - 2p

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

Remarks

Electrical data	II 2G Ex db eb IIC T4 Gb -/
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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	94.1	0.89	0.86	0.80	7.0	2.4	3.0	IE3
690	Y	50	55.00	-/-	55.00	2975	177.0	94.3	94.5	94.1	0.89	0.86	0.80	7.0	2.4	3.0	IE3
460	Δ	60	55.00	-/-	83.00	3580	147.0	93.6	93.4	92.4	0.89	0.86	0.79	8.0	2.8	3.3	IE3
IM V1 / IM 3011			FS 250 M			IP55		IEC/EN 60034									

Environmental conditions : -20 °C - +40 °C / 1,000 m

Locked rotor time (hot / cold) : 29.2 s | 49.7 s

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	75 / 89 dB(A) ^{2) 3)}	78 / 92 dB(A) ^{2) 3)}	Thermal class	F
Moment of inertia	0.4540 kg m²		Duty type	S1
Bearing DE NDE	6315 C3	6315 C3	Direction of rotation	bidirectional
bearing lifetime			Frame material	cast iron
L10mth F _{rad min} for coupling operation 50 60Hz ¹⁾	20000 h	16000 h	Net weight of the motor	539 kg
Regreasing device	Without		Motor weight incl. options	542 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	(A) without (Standard)
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	120 mm²
Material of terminal box	cast iron	Cable diameter from ... to ...	34 mm - 42 mm
Type of terminal box	TB1 N21	Cable entry	-/-
Contact screw thread	M10		

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) 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

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	
IN LVM		SPC					
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	datasheet			released			
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1CD3252A

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Special design

H00 Canopy

Notes:

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