

SIMOTICS XP - 250 M - IM V1 - 4p

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

Remarks

II 2G Ex db eb IIB T4 Gb

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	-/-	98.00	1482	355.0	94.6	95.0	94.8	0.86	0.83	0.75	6.8	2.5	2.9	IE3
690	Y	50	55.00	-/-	57.00	1482	355.0	94.6	95.0	94.8	0.86	0.83	0.75	6.8	2.5	2.9	IE3
460	Δ	60	55.00	-/-	84.00	1786	295.0	95.4	95.4	94.8	0.86	0.82	0.73	7.6	2.8	3.2	IE3
IM V1 / IM 3011			FS 250 M			IP55		IEC/EN 60034									
Environmental conditions : -20 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) : 29.6 s 52.8 s								

Sound level (SPL / SWL) at 50Hz 60Hz	67 / 81 dB(A) ^{2) 3)}	67 / 81 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.8420 kg m²		Thermal class	F
Bearing DE NDE	6315 C3	6315 C3	Duty type	S1
bearing lifetime			Direction of rotation	bidirectional
L _{10mh} F _{Rad,min} for coupling operation 50 60Hz ¹⁾	20000 h	16000 h	Frame material	cast iron
Relubrication interval/quantity DE NDE	25 g 25 g 8000 h		Net weight of the motor	570 kg
Lubricants	Unirex N3		Motor weight incl. options	573 kg
Regreasing device	With regreasing nipple		Coating (paint finish)	Special paint finish, resistant to salt-laden air C4
Grease nipple	M10x1 DIN 71412 A		Color, paint shade	RAL7030
Type of bearing	Locating bearing DE		Motor protection	(B) 3 PTC thermistors - for tripping (2 terminals)
Condensate drainage holes	Without		Method of cooling	IC411 - self ventilated, surface cooled
External earthing terminal	With (standard)			

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_{Lr}/I_{Ln} = locked rotor current / current nominal	1) L10mh according to DIN ISO 281 10/2010	3) Value is valid only for DOL operation with motor design IC411
M_r/M_{rn} = locked rotor torque / torque nominal	2) at rated power / at full load	
M_b/M_{bn} = break down torque / nominal torque		

responsible dep. DI MC LVM	technical reference	created by DT Configurator	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		Link documents 	
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1CD3252B

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Special design

H00	Canopy	S03	Special paint finish in sea air resistant C4
L19	Regreasing device with regreasing nipple M10X1 acc.to DIN 71412-A	S05	Interior paint (metal parts, rotor and stator)

Notes:

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