

SIMOTICS XP - 250 M - IM B3 - 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
Converter duty (S9) - 155(F) to 130(B)																	
40	Δ	5	3.35		68	138	232				0.85	Type of converter Voltage source converter, general.					
200	Δ	25	24		86	734	310				0.86						
400	Δ	50	51		90	1484	329				0.86						
400	Δ	80	51		87	2375	205				0.88						
IM B3 / IM 1001			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								

Mechanical data

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 INS	Duty type	S1
bearing lifetime			Direction of rotation	bidirectional
L _{10mh} F _{Rad, min} for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Frame material	cast iron
Regreasing device	Without		Net weight of the motor	563 kg
Grease nipple	-/-		Motor weight incl. options	563 kg
Type of bearing	Locating bearing DE		Coating (paint finish)	Standard paint finish C2
Bearing insulation DE / Bearing insulation NDE	Yes (non-drive end)		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

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) L10mh 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	
DI MC LVM		DT Configurator					
	document type			document status			
	datasheet			released			
	title			document number			
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