

SIMOTICS XP - 225 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	45.00	-/-	80.00	1480	290.0	94.2	94.7	94.6	0.86	0.83	0.75	6.4	2.6	2.7	IE3
690	Y	50	45.00	-/-	46.50	1480	290.0	94.2	94.7	94.6	0.86	0.83	0.75	6.4	2.6	2.7	IE3
460	Δ	60	45.00	-/-	70.00	1782	240.0	95.0	95.1	94.4	0.85	0.81	0.73	7.7	2.9	3.0	IE3
Converter duty (S9) - 155(F) to 130(B)																	
40	Δ	5	2.7		57	136	190.1				0.84	Type of converter Voltage source converter, general.					
200	Δ	25	19.4		71	730	254				0.85						
400	Δ	50	42		75	1480	270				0.85						
400	Δ	87	42		72	2575	155.8				0.87						
IM B3 / IM 1001			FS 225 M			IP55		IEC/EN 60034									
Environmental conditions : - 20 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) : 35.1 s 56.6 s								

Sound level (SPL / SWL) at 50Hz 60Hz	64 / 78 dB(A) ^{2) 3)}	72 / 86 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.5210 kg m²		Thermal class	F
Bearing DE NDE	6313 C3	6313 C3 INS	Duty type	S1
bearing lifetime			Direction of rotation	bidirectional
L ₁₀ mt _h , F _{red} min. for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Frame material	cast iron
Regreasing device	Without		Net weight of the motor	466 kg
Grease nipple	-/-		Motor weight incl. options	466 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 position	top	Max. cross-sectional area	50 mm²
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		

Notes:		
I_L/I_N = 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 IC41
M_L/M_N = locked rotor torque / torque nominal	2) at rated power / at full load	
M_b/M_N = 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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