

SIMOTICS XP - 100 L - IM B3 - 4p

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

Remarks

Electrical data

-/-

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)																	
230	Δ	50	2.20	-/-	7.70	1465	14.3	86.7	87.0	85.9	0.83	0.77	0.66	8.4	3.2	4.4	IE3
400	Y	50	2.20	-/-	4.40	1465	14.3	86.7	87.0	85.9	0.83	0.77	0.66	8.4	3.2	4.4	IE3
460	Y	60	2.20	-/-	3.80	1770	11.9	89.5	89.2	87.2	0.81	0.75	0.63	9.6	3.5	5.1	IE3
IM B3 / IM 1001			FS 100 L			IP55		IEC/EN 60034									
Environmental conditions : -20 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) : 19.3 s 22.9 s								

Sound level (SPL / SWL) at 50Hz 60Hz	57 / 65 dB(A) ^{2) 3)}	62 / 74 dB(A) ^{2) 3)}	Thermal class	F
Moment of inertia	0.0124 kg m²		Duty type	S1
Bearing DE NDE	6306 2Z C3	6306 2Z C3	Direction of rotation	bidirectional
bearing lifetime			Frame material	cast iron
L10mh, F _{rad min} for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Net weight of the motor	68 kg
Regreasing device	Without		Motor weight incl. options	68 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 position	top	Max. cross-sectional area	4 mm²
Material of terminal box	cast iron	Cable diameter from ... to ...	11 mm - 21 mm
Type of terminal box	TB1 F21	Cable entry	-/-
Contact screw thread	M4		

Notes:

I_L/I_N = locked rotor current / current nominal	1) L_{10min} according to DIN ISO 281 10/2010	3) Value is valid only for DOL operation with motor design IC411
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.	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					
	document type			document status			
	datasheet			released			
	title			document number			
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