

SIMOTICS XP - 71 M - IM B14 - 4p

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

Il 3G Ex ec IIC T3 Gc

-/-

U	Δ / Y	f	P	P	I	n	M	$\eta^{3)}$			$\cos\varphi^{3)}$			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	0.37	-/-	1.77	1380	2.5	72.7	73.2	69.9	0.72	0.63	0.49	4.0	2.5	2.5	IE2
400	Y	50	0.37	-/-	1.02	1380	2.5	72.7	73.2	69.9	0.72	0.63	0.49	4.0	2.5	2.5	IE2
460	Y	60	0.43	-/-	1.04	1680	2.5	72.0	72.4	69.4	0.72	0.63	0.50	4.5	2.6	2.7	IE2
460	Y	60	0.37	-/-	0.96	1705	2.0	72.0	71.2	66.9	0.67	0.58	0.45	5.0	3.0	3.2	IE2

49	Y	5	.0128		.77	100	1.2		0.52	Type of converter	Voltage source converter, general.
205	Y	25	.14		.87	665	2.0		0.74		
380	Y	50	.28		.86	1,415	1.9		0.68		
380	Y	100	.19		.57	2875	0.6		0.73		

IM B14 / IM 3601	FS 71 M	IP55	IEC/EN 60034	IEC, DIN, ISO, VDE, EN
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Locked rotor time (hot / cold) : 38.6 s | 49.4 s

Sound level (SPL / SWL) at 50Hz 60Hz	44 / 55 dB(A) ^{2) 3)}	47 / 58 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.0009 kg m²		Thermal class	F
Bearing DE NDE	6202 2Z C3	6202 2Z C3	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	aluminum
Regreasing device	Without		Net weight of the motor (IM B3)	7 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Preloaded 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

Terminal box position	top	Max. cross-sectional area	4 mm ²
Material of terminal box	Aluminium	Cable diameter from ... to ...	9 mm - 17 mm
Type of terminal box	TB1 B20	Cable entry	1xM25x1,5-1xM16x1,5
Contact screw thread	M4		

3) Value is valid only for DOL operation with motor design IC411

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Special design

B43	Version for converter operation with operating data on voltage-source DC link converter
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