

SIMOTICS XP - 280 M - IM B5 - 6p

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

Remarks

II 3G Ex ec IIC T3 Gc

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)																	
380	Δ	50	55.00	-/-	104.00	988	530.0	94.1	94.5	94.4	0.85	0.81	0.73	7.2	3.3	3.0	IE3
660	Y	50	55.00	-/-	60.00	988	530.0	94.1	94.5	94.4	0.85	0.81	0.73	7.2	3.3	3.0	IE3
440	Δ	60	66.00	-/-	107.00	1186	530.0	94.1	94.6	94.4	0.86	0.83	0.76	7.8	3.0	2.7	IE2
440	Δ	60	55.00	-/-	91.00	1190	440.0	94.5	94.6	93.9	0.84	0.80	0.70	9.2	3.6	3.3	IE3
IM B5 / IM 3001			FS 280 M			IP55		IEC/EN 60034		IEC, DIN, ISO, VDE, EN							
Environmental conditions : -20 °C - +40 °C / 1,000 m									Locked rotor time (hot / cold) : 22 s 30.6 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	60 / 74 dB(A) ^{2) 3)}	66 / 80 dB(A) ^{2) 3)}	External earthing terminal	With (standard)
Moment of inertia	1.6400 kg m ²		Vibration severity grade	A
Bearing DE NDE	6317 C3	6317 C3	Thermal class	F
bearing lifetime			Duty type	S1
L _{10mh} F _{rad min} for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Direction of rotation	bidirectional
Relubrication interval/quantity DE NDE	30 g 30 g 8000 h		Frame material	cast iron
Lubricants	Unirex N3		Net weight of the motor (IM B3)	560 kg
Regreasing device	With (standard)		Coating (paint finish)	Standard paint finish C2
Grease nipple	M10x1 DIN 3404 A		Color, paint shade	RAL7030
Type of bearing	Locating bearing NDE		Motor protection	(B) 3 PTC thermistors - for tripping (2 terminals)
Condensate drainage holes	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 - 45 mm
Type of terminal box	TB1 N01	Cable entry	2xM63x1,5-2xM20x1,5
Contact screw thread	M10		

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			
	1MB1533-2DC23-3FB4-Z						
	B02+M10+Q02			rev.	creation date	language	Page
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Special design

B02	Acceptance test certificate 3.1 acc. to EN 10204	Q02	Anti-condensation heating for 230 V (2 terminals)
M10	Additional rating plate, loose		

Additional information:

Space heaters

Technical data:	1-phase, 230 V 109W
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Notes:

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SIEMENS	document type datasheet			document status released			
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