

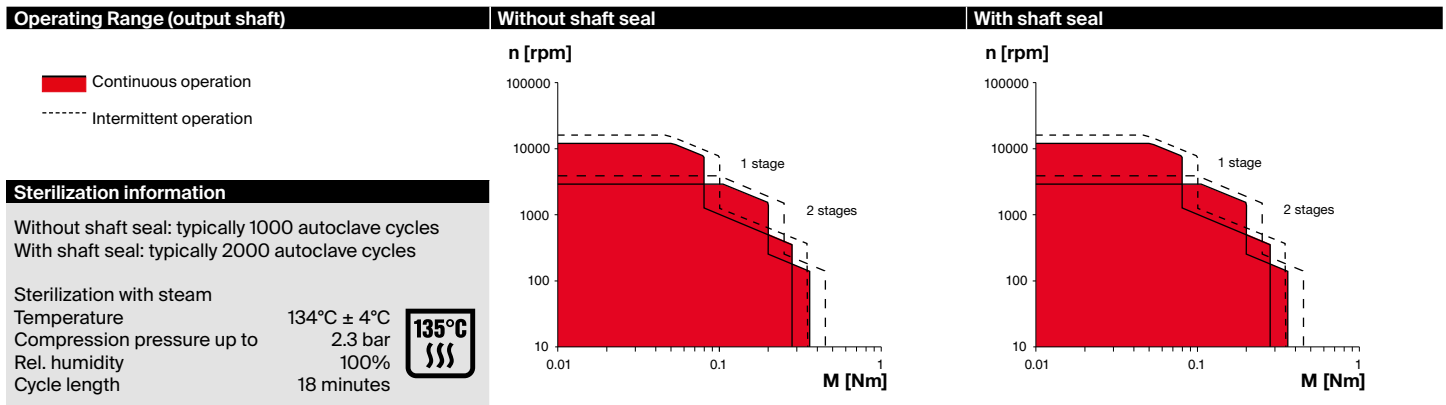
GPX 19 SPEED $\varnothing 19$ mm, planetary gearhead

Sterilizable

GPX



Key Data	Without shaft seal*	With shaft seal*
Max. transmittable power	W 62 (10.4)	62 (10.4)
Max. continuous torque	Nm 0.2 (0.36)	0.2 (0.36)
Max. continuous input speed	rpm 45000	45000
Ambient temperature	$^{\circ}\text{C}$ -10 ... +135	-10 ... +135
Bearing at output	Ball bearing	Ball bearing



Sterilization information

Without shaft seal: typically 1000 autoclave cycles
 With shaft seal: typically 2000 autoclave cycles

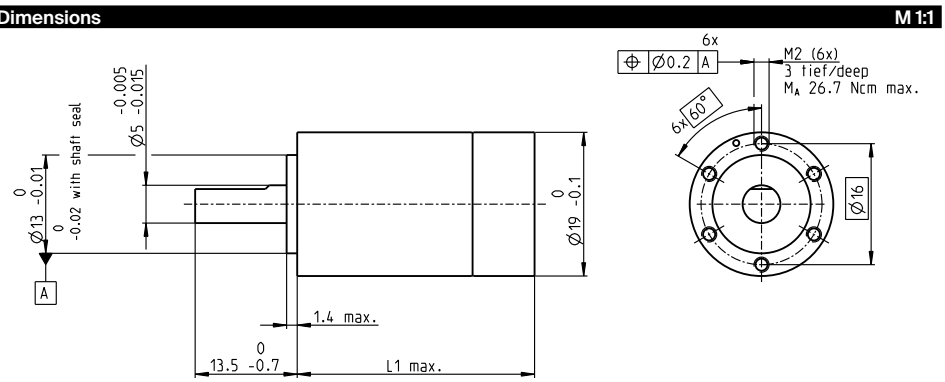
Sterilization with steam

Temperature	134°C ± 4°C
Compression pressure up to	2.3 bar
Rel. humidity	100%
Cycle length	18 minutes

Specifications	Without shaft seal*	With shaft seal*
Number of stages	1 2	1 2
Max. transmittable continuous power	W 62 (10.4) 31 (5.2)	62 (10.4) 31 (5.2)
Max. transmittable intermittent power	W 77 (13) 38 (6.5)	77 (13) 38 (6.5)
Max. continuous torque	Nm 0.08 (0.28) 0.2 (0.36)	0.08 (0.28) 0.2 (0.36)
Max. intermittent torque	Nm 0.1 (0.35) 0.25 (0.45)	0.1 (0.35) 0.25 (0.45)
Max. continuous input speed	rpm 45000 45000	45000 45000
Max. intermittent input speed	rpm 60000 60000	60000 60000
Max. efficiency	% 85 80	85 80
Average backlash no load	$^{\circ}$ 1.4 1.6	1.4 1.6
Max. axial load (dynamic)	N 40.0 40.0	40.0 40.0
Max. radial load, 5 mm from flange	N 50.0 85.0	35.0 55.0
Gearhead length L ¹	mm 31.4 40.3	39.20 48.10
Weight	g 41 54	56 69

Configuration	Without shaft seal	With shaft seal
Number of stages	1 2	1 2
Reduction	X:1 3.9, 5.3, 6.6 16, 21, 26,	3.9, 5.3, 6.6 16, 21, 26,
Absolute reduction: (see online)	28, 35, 44	28, 35, 44
Version	Without shaft seal/With shaft seal	
Flange	Standard flange	
Shaft	Length/flat face/cross hole	

maxon Modular System	Page	Dimensions
maxon EC motor	Nº of stages [opt.]	
ECX SPEED 16 M	[3]	195-198
ECX SPEED 16 L	[3]	199-202
ECX SPEED 19 M	1-2	203-206
ECX SPEED 19 L	1-2	207-210



¹This length may vary depending on the configuration and choice of motor. The effective length is calculated at the end of the configuration process.

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