

GPX 32 $\varnothing 32$ mm, planetary gearhead

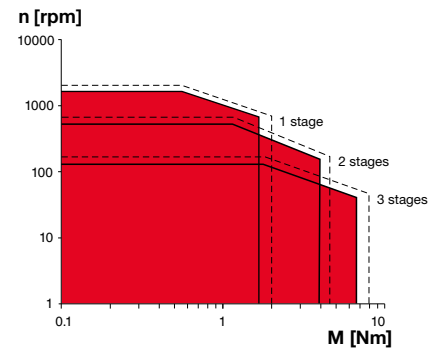
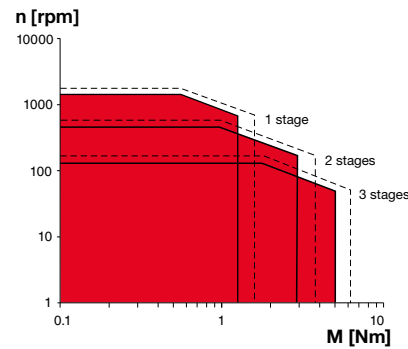


GPX

Key Data	A Standard Version	C Ceramic Version
Max. transmittable power	W 100	120
Max. continuous torque	Nm 5	6.6
Max. continuous input speed	rpm 8000	8000
Ambient temperature	$^{\circ}\text{C}$ -40 ... +100	-40 ... +100
Bearing at output	Ball bearing	Ball bearing

Operating Range (output shaft)	A Standard Version	C Ceramic Version
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■ Continuous operation
 Intermittent operation

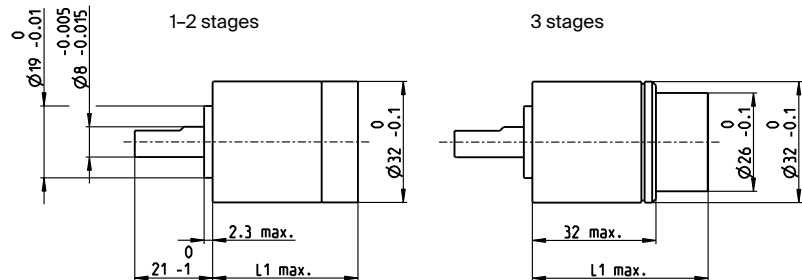


Specifications	A Standard Version	C Ceramic Version
Number of stages	1 2 3	1 2 3
Max. transmittable continuous power	W 100 50 25	120 60 30
Max. transmittable intermittent power	W 125 62 31	150 75 37
Max. continuous torque	Nm 1.25 2.90 5.00	1.60 3.80 6.60
Max. intermittent torque	Nm 1.60 3.60 6.25	2.00 4.50 8.00
Max. continuous input speed	rpm 6000 7000 8000	6000 7000 8000
Max. intermittent input speed	rpm 7500 8750 10000	7500 8750 10000
Max. efficiency	% 90 78 75	90 78 75
Average backlash no load	$^{\circ}$ 0.55 0.7 0.9	0.55 0.7 0.9
Max. axial load (dynamic)	N 110 110 110	110 110 110
Max. radial load, 10 mm from flange	N 160 180 180	160 180 180
Gearhead length L ¹	mm 26.7 36.3 43.9	26.7 36.3 43.9
Weight	g 140 185 230	140 185 230

Configuration	A Standard Version	C Ceramic Version
Number of stages	1 2 3	1 2 3
Reduction	X:1 3.9, 5.3 16, 21, 26, 28, 35 62, 83, 103, 111, 138, 150, 172, 186, 231	3.9, 5.3 16, 21, 26, 28, 35 62, 83, 103, 111, 138, 150, 172, 186, 231
Absolute reduction: (see online)		
Version	Standard/ceramic version/noise reduced/backlash reduced/high power/ultra performance	
Flange	Standard flange/configurable flange	
Shaft	Length/flat face/cross hole	

maxon Modular System	Page	Dimensions	M 1:2
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maxon DC motor	N ^o of stages [opt.]	
DCX 26 L	3	103-104
DCX 32 L	1-2 [3]	105
DC-max 26 S*	3	113-114



*Limited selection of reduction ratios (see online).

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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