

GPX 22 Ø22 mm, planetary gearhead

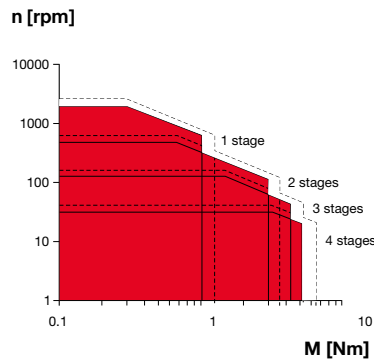
GPX



Key Data		UP Ultra Performance
Max. transmittable power	W	66
Max. continuous torque	Nm	5.2
Max. continuous input speed	rpm	8000
Ambient temperature	°C	-40 ... +100
Bearing at output		Ball bearing

Operating Range (output shaft)	UP Ultra Performance
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Continuous operation
Intermittent operation



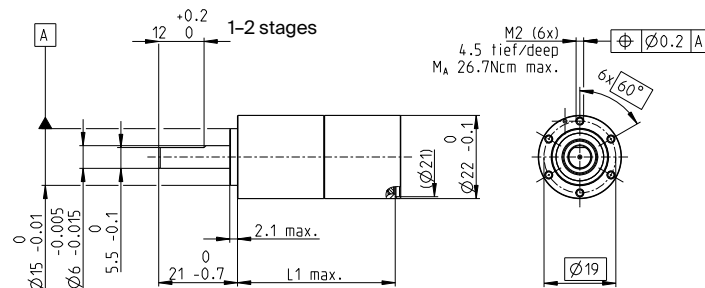
Specifications		UP Ultra Performance			
Number of stages		1	2	3	4
Max. transmittable continuous power	W	66.0	36.0	20.0	11.0
Max. transmittable intermittent power	W	82.5	45.0	25.0	14.0
Max. continuous torque	Nm	1.00	2.90	4.30	5.20
Max. intermittent torque	Nm	1.25	3.60	5.30	6.50
Max. continuous input speed	rpm	8000	8000	8000	8000
Max. intermittent input speed	rpm	10000	10000	10000	10000
Max. efficiency	%	96	93	90	87
Average backlash no load	°	0.6	0.7	0.8	0.8
Max. axial load (dynamic)	N	80	80	80	80
Max. radial load, 10 mm from flange	N	100	145	150	150
Gearhead length L ¹	mm	22.0	32.0	42.0	52.0
Weight	g	49	69	87	106

Configuration		UP Ultra Performance			
Number of stages		1	2	3	4
Reduction	X:1	3.9, 5.3	16, 21, 26, 28, 35	62, 83, 103, 111, 138, 150, 172, 186, 231	243, 326, 406, 439, 546, 590, 679, 734, 794, 913, 987, 1135, 1227, 1526
Absolute reduction: (see online)					
Version		Standard/ceramic version/noise reduced/backlash reduced/high power/ultra performance			
Flange		Standard flange			
Shaft		Length/flat face/cross hole			

maxon Modular System	Page	Dimensions	M 1:2
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maxon DC motor	N° of stages [opt.]	
DCX 22 S	1-4	99-100
DCX 22 L	1-4	101-102

maxon EC motor		
ECX SPEED 22 M	1-4	211-212
ECX SPEED 22 L	1-4	215-216
ECX TORQUE 22 M	1-4	225
ECX TORQUE 22 L	1-4	226
ECX TORQUE 22 XL	1-4	227



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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