

# GPX 22 Ø22 mm, planetary gearhead

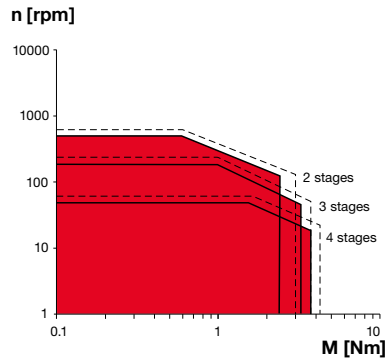


GPX

Key Data		HP High Power
Max. transmittable power	W	30
Max. continuous torque	Nm	3.7
Max. continuous input speed	rpm	12000
Ambient temperature	°C	-40 ... +100
Bearing at output		Ball bearing

## Operating Range (output shaft) HP High Power

■ Continuous operation  
- - - - - Intermittent operation



## Specifications HP High Power

Specifications		2	3	4
Number of stages		2	3	4
Max. transmittable power (continuous)	W	30.0	15.0	8.0
Max. transmittable power (intermittent)	W	40.0	20.0	10.0
Max. continuous torque	Nm	2.40	3.30	3.70
Max. intermittent torque	Nm	3.00	3.80	4.20
Max. continuous input speed	rpm	8000	10000	12000
Max. intermittent input speed	rpm	10000	12500	15000
Max. efficiency	%	75	65	55
Average backlash no load	°	1.05	1.2	1.35
Max. axial load (dynamic)	N	80	80	80
Max. radial load, 10 mm from flange	N	145	150	150
Gearhead length L <sup>1</sup>	mm	31.7	38.2	44.0
Weight	g	73	86	95

## Configuration HP High Power

Configuration		2	3	4
Number of stages		2	3	4
Reduction	X:1	16, 21, 26, 28, 35, 44	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 M1:2

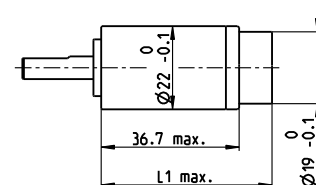
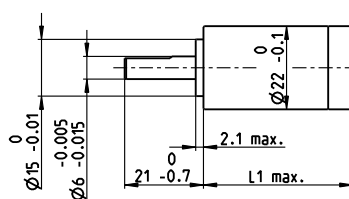
maxon DC motor	Nº of stages [opt.]	Page
DCX 19 S	4	97-98
DCX 22 S	2-3 [4]	99-100
DCX 22 L	2-3 [4]	101-102

maxon EC motor	Nº of stages [opt.]	Page
ECX SPEED 19 M	4	203-204
ECX SPEED 19 L	4	207-208
ECX SPEED 22 M	2-3 [4]	211-212
ECX SPEED 22 L	2-3 [4]	215-216
ECX TORQUE 22 M	2-3	225
ECX TORQUE 22 L	2-3	226
ECX TORQUE 22 XL	2-3	227

2-3 stages

4 stages



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

[gpx.maxongroup.com](http://gpx.maxongroup.com)