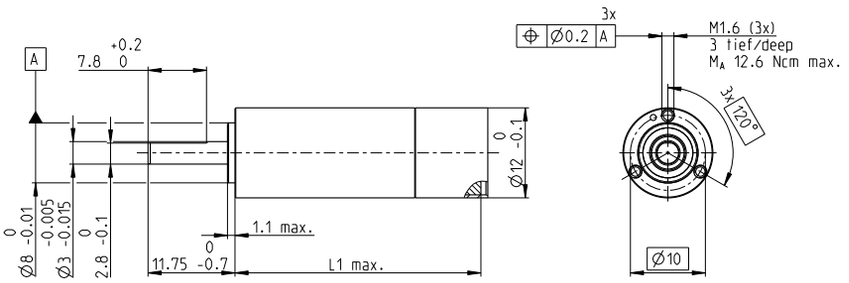
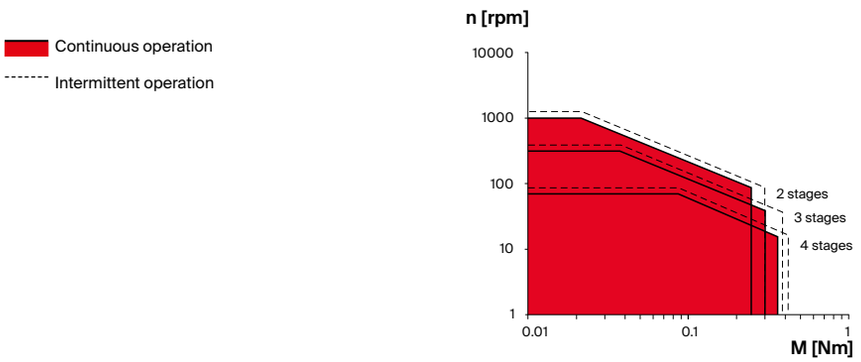
GPX 12 ∅12 mm, planetary gearhead



M 1:1

Key data		HP High Power
Max. transmittable power	W	2.2
Max. continuous torque	Nm	0.35
Max. continuous input speed	rpm	16000
Ambient temperature	°C	-40...+100
Bearing at output		Ball bearing

Operating range (output shaft) — HP High Power



Specifications		HP High Power		
Number of stages		2	3	4
Max. transmittable power (continuous)	W	2.2	1.10	0.60
Max. transmittable power (intermittent)	W	2.80	1.40	0.80
Max. continuous torque	Nm	0.25	0.30	0.35
Max. intermittent torque	Nm	0.30	0.38	0.41
Max. continuous input speed	rpm	16000	16000	16000
Max. intermittent input speed	rpm	20000	20000	20000
Max. efficiency	%	75	65	55
Average backlash no load	°	1.5	1.8	2.1
Max. axial load (dynamic)	N	20	20	20
Max. radial load, 5 mm from flange	N	45	60	60
Gearhead length L1[1]	mm	23.4	28.1	33.1
Weight	g	16	19	21

Configuration		HP High Power		
Number of stages		2	3	4
Reduction Absolute reduction: (see online)	X:1	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
Version		Standard/ceramic version/noise reduced/backlash reduced/high power		
Flange		Standard flange		
Shaft		Length/flat face		

Modular system		Page
DC motor	№ of stages [opt.]	
DCX 12 S	2–4	101
DCX 12 L	2–4	102

Modular system		Page
EC motor	№ of stages [opt.]	
ECX SPEED 10 M	1–5	199
ECX SPEED 10 L	1–4	200

[1]This 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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