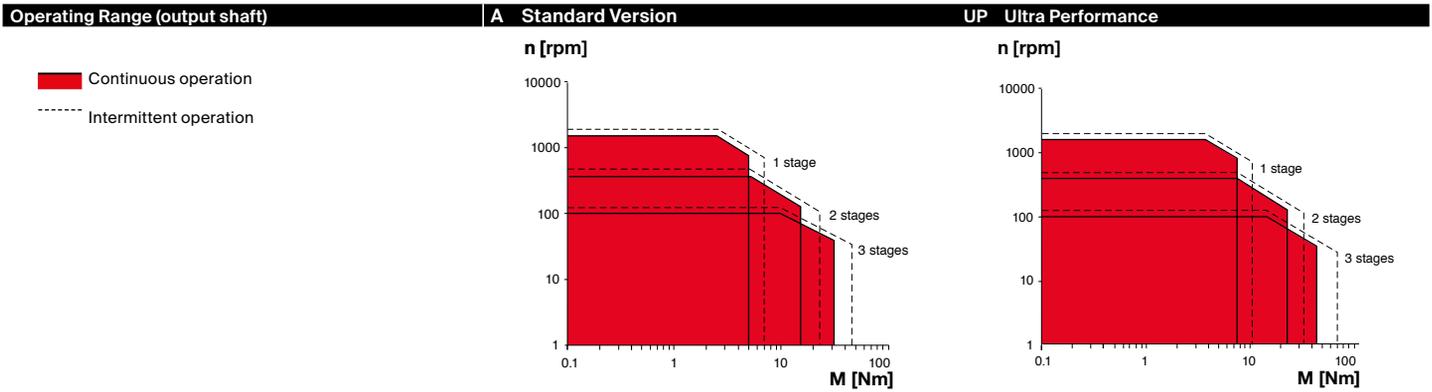


GPX 52 Ø52 mm, planetary gearhead

GPX



Key Data		A Standard Version	UP Ultra Performance
Max. transmittable power	W	400	600
Max. continuous torque	Nm	30.0	45.0
Max. continuous input speed	rpm	6000	6000
Ambient temperature	°C	-40...+100	-40...+100
Bearing at output		Ball bearing	Ball bearing



Specifications	A Standard Version			UP Ultra Performance			
Number of stages	1	2	3	1	2	3	
Max. transmittable power (continuous)	W	400	200	100	600	300	150
Max. transmittable power (intermittent)	W	500	250	125	750	375	188
Max. continuous torque	Nm	5.0	15.0	30.0	7.5	22.5	45.0
Max. intermittent torque	Nm	7.0	23.0	45.0	10.5	34.5	67.5
Max. continuous input speed	rpm	6000	6000	6000	6000	6000	6000
Max. intermittent input speed	rpm	7500	7500	7500	7500	7500	7500
Max. efficiency	%	95	92	89	95	92	89
Average backlash no load	°	0.5	0.6	0.8	0.3	0.4	0.5
Max. axial load (dynamic)	N	200	200	200	200	200	200
Max. permissible radial load, 10 mm from flange	N	420	630	900	420	630	900
Gearhead length L1 ¹	mm	44	61	78	44	61	78
Weight	g	687	855	1080	694	861	1086

Configuration	A Standard Version			UP Ultra Performance		
Number of stages	1	2	3	1	2	3
Reduction	3.9, 5.3, 6.6	16, 21, 26, 28, 35, 44	62, 83, 103, 111, 138, 172	3.9, 5.3, 6.6	16, 21, 26, 28, 35, 44	62, 83, 103, 111, 138, 172
Version	Standard/noise reduced/ultra performance					
Flange	Standard flange					
Shaft						

maxon Modular System	Page	Dimensions	M 1:4
maxon EC motor	Nº of stages [opt.]		
IDX 56 M	1-3	231	1-2 stages
IDX 56 L	1-3	232	3 stages
maxon IDX drive	Nº of stages [opt.]		
IDX 56 M	1-3	325	
IDX 56 L	1-3	326	

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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