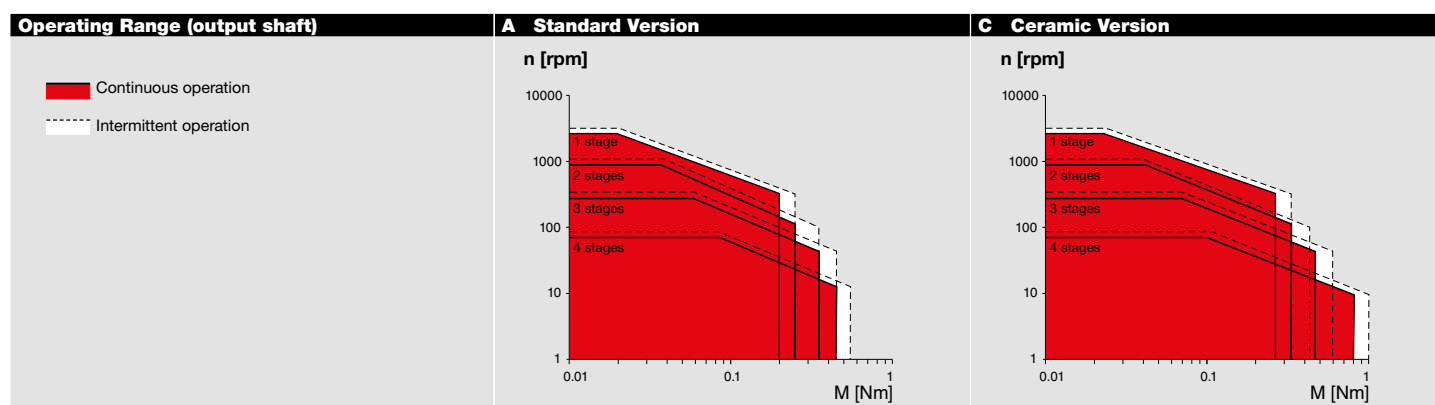




Key Data		A Standard Version	C Ceramic Version
Max. transmittable power	W	6.5	7.8
Max. continuous torque	Nm	0.45	0.6
Max. continuous input speed	rpm	16000	16000
Ambient temperature	°C	-40 ... +100	-40 ... +100
Bearing at output		Ball bearing	Ball bearing



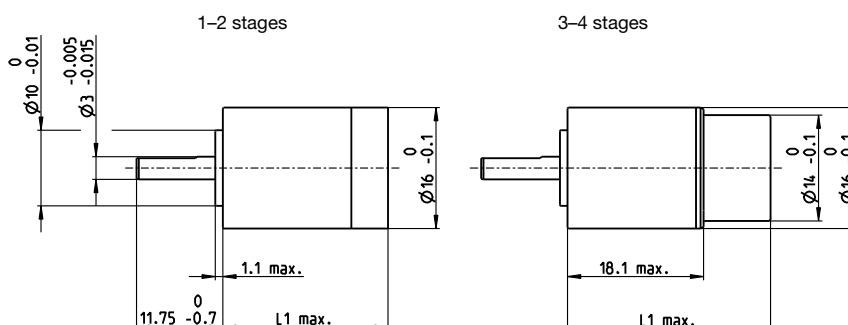
Specifications		A Standard Version				C Ceramic Version			
Number of stages		1	2	3	4	1	2	3	4
Max. transmittable continuous power	W	6.5	3.2	1.6	0.60	7.8	3.8	1.9	0.7
Max. transmittable intermittent power	W	8.0	4.0	2.0	0.75	10.0	5.0	2.5	1.0
Max. continuous torque	Nm	0.20	0.25	0.35	0.45	0.27	0.33	0.47	0.60
Max. intermittent torque	Nm	0.25	0.35	0.45	0.55	0.33	0.42	0.58	0.75
Max. continuous input speed	rpm	12000	14000	16000	16000	12000	14000	16000	16000
Max. intermittent input speed	rpm	15000	17500	20000	20000	15000	17500	20000	20000
Max. efficiency	%	90	80	75	65	90	80	75	65
Average backlash no load	°	1.0	1.2	1.3	1.4	1.0	1.2	1.3	1.4
Max. axial load (dynamic)	N	20	20	20	20	20	20	20	20
Max. radial load, 5 mm from flange	N	30	45	70	70	30	45	70	70
Gearhead length L1	mm	15.8	20.7	25.7	30.6	15.8	20.7	25.7	30.6
Weight	g	20	25	27	31	20	25	27	31

Configuration		A Standard Version					C Ceramic Version				
Number of stages		1	2	3	4		1	2	3	4	
Reduction	X:1	3.9, 5.3, 6.6	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		3.9, 5.3, 6.6	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	
Version	Standard/ceramic version/noise reduced/reduced backlash/high power										
Flange	Standard flange/configurable flange										
Shaft	Length/flat face										

maxon Modular System		Page
maxon DC motor	N ₂ of stages [opt.]	
DCX 14 L	3-4	72-73
DCX 16 S	1-2 [3-4]	74-75
DCX 16 L	1-2 [3-4]	76-77
DC-max 16 S*	1-2 [3-4]	90-91

maxon EC motor	N ₂ of stages [opt.]	
ECX SPEED 13 M	3-4	168-171
ECX SPEED 13 L	3-4	172-175
ECX SPEED 16 M	1-2 [3-4]	176-179
ECX SPEED 16 L	1-2 [3-4]	181-184

*Limited selection of reduction ratios (see online).



xdrives.maxonmotor.com