

		<b>1-stage</b>						
<b>Ratio <sup>a)</sup></b>	<b>i</b>		<b>4</b>	<b>5</b>	<b>7</b>	<b>10</b>		
cymex®-optimized acceleration torque <small>(please contact us regarding the design)</small>	$T_{2Bcym}$	Nm	60	62	60	–		
		in.lb	531	549	531	–		
Max. acceleration torque <small>(max. 1000 cycles per hour)</small>	$T_{2B}$	Nm	55	55	55	35		
		in.lb	487	487	487	310		
Nominal output torque <small>(with <math>n_{2N}</math>)</small>	$T_{2N}$	Nm	28	28	28	18		
		in.lb	248	248	248	159		
Emergency stop torque <small>(permitted 1000 times during the service life of the gearhead)</small>	$T_{2Not}$	Nm	100	100	100	100		
		in.lb	885	885	885	885		
Nominal input speed <small>(with <math>T_{2N}</math> and 20°C ambient temperature <sup>b)</sup>)</small>	$n_{1N}$	rpm	3300	3300	4000	4000		
Max. input speed	$n_{1Max}$	rpm	6000	6000	6000	6000		
Mean no load running torque <small>(with <math>n_1=3000</math> rpm and 20°C gearhead temperature <sup>c)</sup>)</small>	$T_{012}$	Nm	0.95	0.80	0.60	0.45		
		in.lb	8.41	7.08	5.31	3.98		
Max. torsional backlash	$j_t$	arcmin	Standard $\leq 4$ / Reduced $\leq 2$					
Torsional rigidity <sup>d)</sup>	$C_{t12}$	Nm/ arcmin	12	12	11	8		
		in.lb/ arcmin	106	106	97	71		
Tilting rigidity	$C_{2K}$	Nm/ arcmin	–					
		in.lb/ arcmin	–					
Max. axial force <sup>d)</sup>	$F_{2AMax}$	N	1630					
		lb <sub>f</sub>	367					
Max. tilting moment	$M_{2KMax}$	Nm	110					
		in.lb	974					
Efficiency at full load	$\eta$	%	97					
Service life <small>(For calculation, see the Chapter "Information")</small>	$L_h$	h	> 20000					
Weight incl. standard adapter plate	$m$	kg	1.4					
		lb <sub>m</sub>	3.1					
Operating noise <small>(with <math>i=10</math> and <math>n_1=3000</math> rpm no load)</small>	$L_{PA}$	dB(A)	$\leq 58$					
Max. permitted housing temperature	°C		+90					
	F		194					
Ambient temperature	°C		0 to +40					
	F		32 to 104					
Lubrication	Lubricated for life							
Paint	Blue RAL 5002							
Direction of rotation	Motor and gearhead same direction							
Protection class	IP 65							
Moment of inertia <small>(relates to the drive)</small>	B	11	$J_1$	kgcm <sup>2</sup>	0.17	0.14	0.11	0.09
				10 <sup>3</sup> in.lb.s <sup>2</sup>	0.15	0.12	0.10	0.08
Clamping hub diameter [mm]	C	14	$J_1$	kgcm <sup>2</sup>	0.25	0.21	0.18	0.17
				10 <sup>3</sup> in.lb.s <sup>2</sup>	0.22	0.19	0.16	0.15
	E	19	$J_1$	kgcm <sup>2</sup>	0.57	0.54	0.51	0.49
				10 <sup>3</sup> in.lb.s <sup>2</sup>	0.50	0.47	0.45	0.43

Reduced mass moments of inertia available on request.

<sup>a)</sup> Other ratios available on request

<sup>b)</sup> For higher ambient temperatures, please reduce input speed

<sup>c)</sup> Valid for clamping hub diameter of 14 mm

<sup>d)</sup> Refers to center of the output shaft or flange