

		<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 (please contact us regarding the design)	$T_{2Bcym}$	Nm	750	800	–	600		
		in.lb	6638	7080	–	5310		
Max. acceleration torque (max. 1000 cycles per hour)	$T_{2B}$	Nm	700	700	700	540		
		in.lb	6195	6195	6195	4779		
Nominal output torque (with $n_{2N}$ )	$T_{2N}$	Nm	370	370	370	240		
		in.lb	3275	3275	3275	2124		
Emergency stop torque (permitted 1000 times during the service life of the gearhead)	$T_{2Not}$	Nm	1250	1250	1250	1250		
		in.lb	11063	11063	11063	11063		
Nominal input speed (with $T_{2N}$ and 20°C ambient temperature <sup>b)</sup> )	$n_{1N}$	rpm	1900	2000	2500	2500		
Max. input speed	$n_{1Max}$	rpm	4000	4000	4000	4000		
Mean no load running torque (with $n_1=3000$ rpm and 20°C gearhead temperature <sup>c)</sup> )	$T_{012}$	Nm	8.1	6.6	4.8	3.5		
		in.lb	71.7	58.4	42.5	31.0		
Max. torsional backlash	$j_t$	arcmin	Standard $\leq 3$ / Reduced $\leq 1$					
Torsional rigidity <sup>c)</sup>	$C_{t12}$	Nm/ arcmin	190	187	159	123		
		in.lb/ arcmin	1682	1655	1407	1089		
Tilting rigidity	$C_{2K}$	Nm/ arcmin	560					
		in.lb/ arcmin	4956					
Max. axial force <sup>d)</sup>	$F_{2AMax}$	N	6130					
		lb <sub>f</sub>	1379					
Max. tilting moment	$M_{2KMax}$	Nm	1335					
		in.lb	11815					
Efficiency at full load	$\eta$	%	97					
Service life (For calculation, see the Chapter "Information")	$L_h$	h	> 20000					
Weight incl. standard adapter plate	$m$	kg	14.0					
		lb <sub>m</sub>	30.9					
Operating noise (with $i=10$ and $n_1=3000$ rpm no load)	$L_{PA}$	dB(A)	$\leq 65$					
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 (relates to the drive)	G	24	$J_1$	kgcm <sup>2</sup>	9.47	7.85	6.39	5.54
				10 <sup>3</sup> in.lb.s <sup>2</sup>	8.38	6.95	5.66	4.90
Clamping hub diameter [mm]	I	32	$J_1$	kgcm <sup>2</sup>	12.6	11.0	9.55	8.71
				10 <sup>3</sup> in.lb.s <sup>2</sup>	11.1	9.74	8.45	7.70
	K	38	$J_1$	kgcm <sup>2</sup>	13.7	12.1	10.6	9.78
				10 <sup>3</sup> in.lb.s <sup>2</sup>	12.1	10.7	9.38	8.65
M	48	$J_1$	kgcm <sup>2</sup>	28.3	26.7	25.3	24.4	
			10 <sup>3</sup> in.lb.s <sup>2</sup>	25.0	23.6	22.4	21.6	

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 32 and 38 mm

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