



Ratio	Gear Design			Input RPM		
				100	400	1200
12.5:1	4 Thread Worm 50 Tooth Bronze Gear	Mechanical	Input HP	2.92	6.87	12.56
			Output Torque*	14447	12175	7630
			Input kW	2.18	5.12	9.37
			Output Torque**	1632	1376	862
	Thermal	Input HP	NA	3.16	4.43	
		Output Torque*	NA	5671	2683	
		Input kW	NA	2.36	3.30	
		Output Torque**	NA	641	303	
25:1	2 Thread Worm 50 Tooth Bronze Gear	Mechanical	Input HP	1.32	4.01	6.92
			Output Torque*	13740	11603	7304
			Input kW	0.96	2.99	5.16
			Output Torque**	1552	1311	825
	Thermal	Input HP	NA	2.12	2.88	
		Output Torque*	NA	6159	3037	
		Input kW	NA	1.58	2.15	
		Output Torque**	NA	696	343	
50:1	1 Thread Worm 50 Tooth Bronze Gear	Mechanical	Input HP	0.82	2.34	3.61
			Output Torque*	13067	11058	6992
			Input kW	0.61	1.74	2.84
			Output Torque**	1476	1249	790
	Thermal	Input HP	NA	1.42	1.87	
		Output Torque*	NA	6689	3437	
		Input kW	NA	1.06	1.39	
		Output Torque**	NA	756	388	

*Torque measured in inch-lbs

**Torque measured in N-m

All ratings specified with the #1 shaft as the input.

LIMITATIONS ON HORSEPOWER AND TORQUE RATINGS: The horsepower and torque ratings given here are generalizations. Different conditions for various applications may result in higher or lower horsepower capacities. Under certain conditions the maximum indicated RPM may be exceeded. For these reasons the ratings cannot be guaranteed for any application. Prototype testing should be conducted for each application before production.