



**SUPERIOR
GEARBOX
COMPANY**

I210 SERIES

Low Input Speed Worm Gear Reducer

Ratings Chart

Ratio	Gear Design		Input RPM				
			100	400	1200		
20:1	1 Thread Worm	Mechanical	Input HP	0.40	1.15	1.90	
			Output Torque*	2789	2360	1492	
		20 Tooth Bronze Gear	Thermal	Input kW	0.30	0.86	1.42
				Output Torque**	315	267	169
	20 Tooth Bronze Gear	Thermal	Input HP	NA	0.54	0.72	
			Output Torque*	NA	1025	526	
			Input kW	NA	0.40	0.54	
			Output Torque**	NA	116	59	

*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.