

DHH SERIES HELICAL REDUCERS, DOUBLE REDUCTION Ratings

OHIO GEAR

Model DHH-0

Torque Ratings Are in Lb.-In.

*Overhung load
Output shaft = 150 lbs.

Input RPM	Ratio	2.5	4	5	6	7	8	10	11	12	14	16.5	17.5	21	25.636
	Ratio Primary/ Secondary	1.25 2	2 2	1.25 4	2 3	3.5 2	2 4	2 5	2.75 4	2 6	3.5 4	2.75 6	3.5 5	3.5 6	4.2727 6
1750	Input HP	1.27	.77	.65	.56	.44	.41	.26	.30	.20	.22	.15	.15	.12	.10
	Output HP	1.14	.72	.60	.52	.41	.38	.24	.28	.19	.20	.14	.14	.11	.09
	Output Torque	103	100	106	110	100	106	84	106	80	100	80	84	80	80
	Output RPM	700	437.5	350	291.67	250	218.75	175	159.09	145.83	125	106.06	100	83.33	68.26
1150	Input HP	.82	.51	.44	.38	.29	.27	.17	.20	.14	.16	.10	.10	.08	.07
	Output HP	.76	.48	.41	.35	.27	.25	.16	.19	.13	.15	.09	.09	.07	.06
	Output Torque	103	100	107	110	100	107	84	107	80	107	80	84	80	80
	Output RPM	460	287.5	230	191.67	164.29	143.75	115	104.54	95.83	82.14	69.70	65.71	54.76	44.86

Model DHH-2

*Overhung load
Output shaft = 1500 lbs.

Input RPM	Ratio	9	12	15	18	20	25	30
	Ratio Primary/ Secondary	3 3	3 4	3 5	3 6	4 5	5 5	5 6
1750	Input HP	6.38	6.38	5.85	4.88	4.40	3.42	2.93
	Output HP	5.70	5.70	5.25	4.40	3.84	3.06	2.63
	Output Torque	1845	2460	2850	2850	2850	2850	2850
	Output RPM	194.44	145.83	116.67	97.22	87.5	70	58.33
1150	Input HP	4.40	4.40	3.90	3.23	2.92	2.45	1.95
	Output HP	3.84	3.84	3.53	2.85	2.63	2.21	1.86
	Output Torque	1800	2400	2745	2670	2730	2760	3000
	Output RPM	127.78	95.83	76.67	63.89	57.5	46	38.33

*Note: Point Of Application Of Overhung Load Is One Shaft Diameter From Seal Face. All Ratings Listed Are 10-Hour Uniform Loading Service. See Page 101 In Your Ohio Gear Catalog For Appropriate Service Factors.