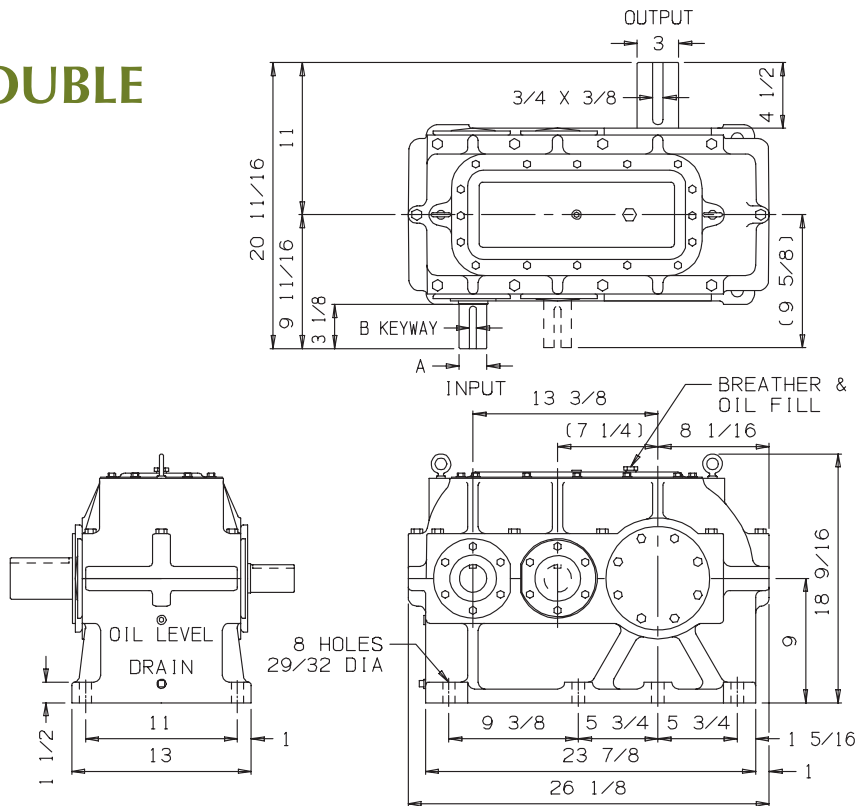


8300 SERIES

SINGLE AND DOUBLE REDUCTION BASE TYPE GEAR DRIVES



Average Shipping Weight: 475 lbs.

MODEL	RATIO ²	REDUCTION ³	RATINGS ¹					GEARBOX ⁵ INERTIA (LB-FT ²)	DIA. A (INCHES)	KEYWAY B
			OUTPUT (RPM)	INPUT HORSEPOWER	OUTPUT TORQUE (IN-LB)	INPUT SHAFT ⁴ OVERHUNG LOAD CAPACITY (LBS)	OUTPUT SHAFT ⁴ OVERHUNG LOAD CAPACITY (LBS)			
8304S ⁶	4.046	SINGLE	432	165.0 ⁷	28,000	2000	6430	.61	2	1/2
8305 ⁶	5.000	DOUBLE	350	160.0 ⁷	28,800	2000	6430	.95	2	1/2
83055 ⁶	5.478	DOUBLE	319	146.0 ⁷	28,800	2000	6430	.72	2	1/2
8306 ⁶	6.083	DOUBLE	288	131.0 ⁷	28,800	2000	6430	.55	2	1/2
8307 ⁶	6.995	DOUBLE	250	114.0 ⁷	28,800	2000	6430	.50	2	1/2
8308	8.121	DOUBLE	215	98.0 ⁷	28,800	2000	6430	.47	2	1/2
8309	9.157	DOUBLE	191	87.6 ⁷	28,900	2000	6430	.40	2	1/2
8310	10.033	DOUBLE	174	81.6 ⁷	29,500	2000	6430	.37	2	1/2
8311	11.408	DOUBLE	153	72.7 ⁷	29,850	2000	6430	.30	2	1/2
8312	12.507	DOUBLE	140	64.4	29,000	2000	6430	.27	2	1/2
8315	15.295	DOUBLE	114	50.9	28,030	1120	6430	.20	1 1/2	3/8
8318	18.607	DOUBLE	94	45.5	30,500	1120	6430	.17	1 1/2	3/8
8320	20.812	DOUBLE	84	40.8	30,600	930	6430	.15	1 1/2	3/8
8324	24.771	DOUBLE	71	34.5	30,800	930	6430	.14	1 3/8	3/8 ⁸
83276	27.644	DOUBLE	63	30.9	30,800	930	6430	.13	1 3/8	3/8 ⁸
8329	29.508	DOUBLE	59	27.9	29,700	690	6430	.12	1 1/4	1/4
8335	35.319	DOUBLE	50	22.1	28,100	690	6430	.11	1 1/4	1/4
8340	40.332	DOUBLE	43	18.9	27,500	690	6430	.11	1 1/4	1/4

NOTES

- Horsepower, torque, output speed and overhung load capacities based on 1750 rpm input speed and 1.00 Service Factor.
- Non-standard ratios available. Consult Dorris Company if desired ratio is not shown.
- Single reduction high speed shaft dimensions shown in parentheses ().
- Overhung load is measured at the midpoint of the key for the input and output shafts respectively.
- Measured at the input shaft.
- If a backstop is required consult Dorris Company for backstop torque capacity as it is less than the output torque rating shown.
- Consult Dorris Company for thermal capacity in your application.
- Non-standard keyway.