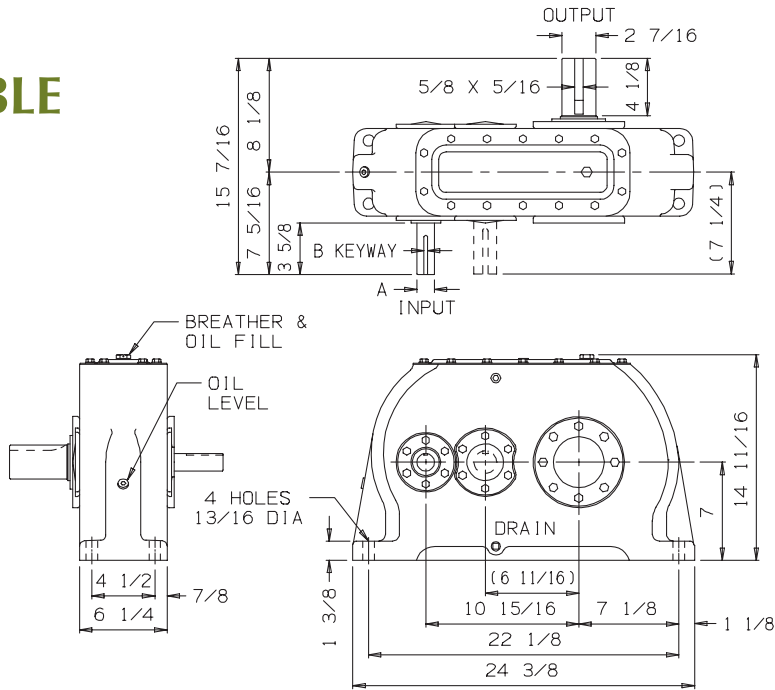


3800 SERIES

SINGLE AND DOUBLE REDUCTION BASE TYPE GEAR DRIVES



Average Shipping Weight: 221 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)			
38039S ⁶	3.871	SINGLE	452	79.6 ⁷	11,100	100	3600	.24	1 5/8	3/8
3805 ⁶	5.090	DOUBLE	344	62.7 ⁷	11,500	100	3600	.25	1 1/4	1/4
3806 ⁶	6.004	DOUBLE	291	54.1 ⁷	11,700	100	3600	.20	1 1/4	1/4
38064 ⁶	6.424	DOUBLE	272	51.0 ⁷	11,800	100	3600	.17	1 1/4	1/4
3807 ⁶	6.882	DOUBLE	254	48.0 ⁷	11,900	100	3600	.15	1 1/4	1/4
38074 ⁶	7.382	DOUBLE	237	45.1	11,990	100	3600	.18	1 1/4	1/4
3808 ⁶	7.931	DOUBLE	221	42.0	12,000	100	3600	.14	1 1/4	1/4
38085 ⁶	8.536	DOUBLE	205	39.2	12,000	100	3600	.12	1 1/4	1/4
3809	9.207	DOUBLE	190	36.5	12,100	100	3600	.10	1 1/4	1/4
3810	9.954	DOUBLE	176	33.9	12,150	100	3600	.10	1 1/4	1/4
3811	10.792	DOUBLE	162	31.5	12,240	100	3600	.10	1 1/4	1/4
38117	11.738	DOUBLE	149	29.1	12,300	300	4270	.08	1 1/4	1/4
3813	12.814	DOUBLE	137	27.0	12,450	300	4270	.08	1 1/4	1/4
3814	14.050	DOUBLE	125	24.7	12,520	300	4270	.07	1 1/4	1/4
3815	15.484	DOUBLE	113	22.6	12,600	300	4270	.06	1 1/4	1/4
3816	16.290	DOUBLE	107	21.6	12,680	300	4270	.05	1 1/4	1/4
3817	17.167	DOUBLE	102	20.6	12,760	450	4630	.04	1 1/4	1/4
3819	19.327	DOUBLE	91	17.1	11,880	450	4630	.04	1 1/4	1/4
3820	20.367	DOUBLE	86	16.2	11,880	450	4630	.04	1 1/4	1/4
3821	21.502	DOUBLE	81	15.3	11,850	450	4630	.04	1 1/4	1/4
3823	22.744	DOUBLE	77	14.6	11,930	525	4630	.04	1 1/4	1/4
3825	24.681	DOUBLE	71	12.5	11,100	525	4630	.04	1 1/4	1/4
3826	26.055	DOUBLE	67	11.9	11,190	525	4630	.04	1 1/4	1/4
3828	27.561	DOUBLE	63	11.3	11,270	525	4630	.03	1 1/4	1/4
3831	30.658	DOUBLE	57	9.7	10,700	525	4630	.03	1 1/4	1/4
3834	34.388	DOUBLE	51	8.4	10,360	620	4630	.03	1 1/8	1/4
3836	36.542	DOUBLE	48	8.1	10,660	620	4630	.03	1 1/8	1/4
3841	41.222	DOUBLE	42	6.5	9,780	620	4630	.03	1 1/8	1/4
3850	50.337	DOUBLE	35	5.4	9,750	620	4630	.02	1	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.