

Model 66

Features

- ◆ Rugged cast iron housing designed for rigid gear and bearing support.
- ◆ Alloy shafting for greater strength.
- ◆ Tapered roller bearings for endurance and strength.
- ◆ Choice of eleven (11) standard gear ratios.
- ◆ Heavy-duty industrial seals to keep lubricant in and dirt out.
- ◆ Universal mounting assures maximum design flexibility.
- ◆ Base, cross shaft and pinion shaft mounting kits available. (Refer to pages D-65, D-66)
- ◆ Reversing model available as factory option. (Refer to page D-66)
- ◆ Hydraulic motor mounting flanges available. (Refer to page D-67)
- ◆ Hub City lubricant recommended. (Refer to section R)
- ◆ Metric versions available. (Refer to page D-57)



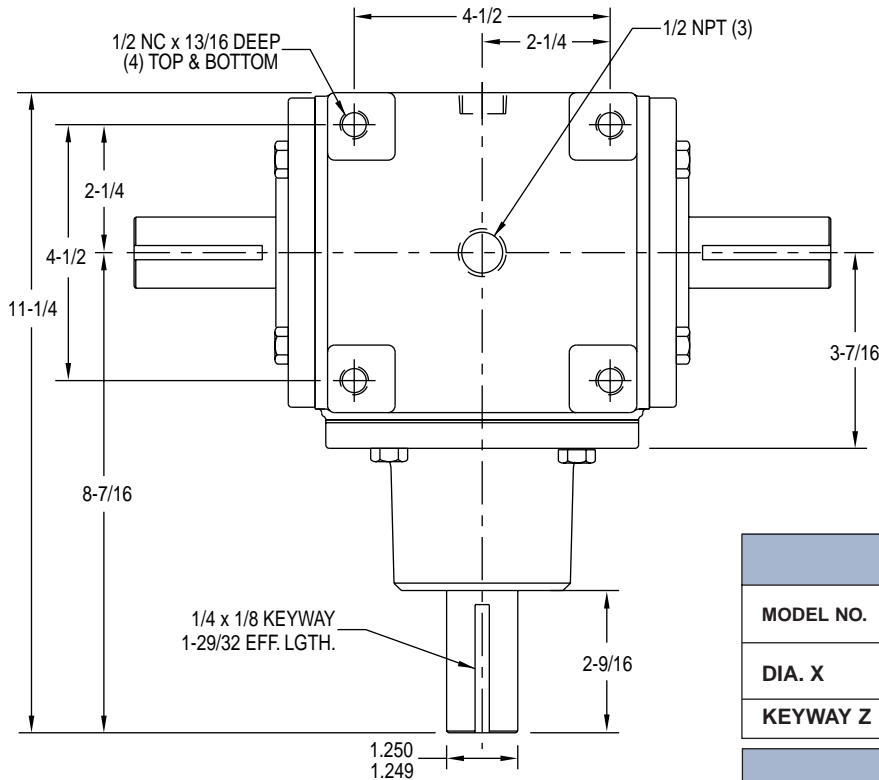
Rating Table

INPUT RPM†		REDUCTION RATIOS						INCREASER RATIOS				
		1:1	SPIRAL 1:1	1.5:1	SPIRAL 1.53:1	2:1	SPIRAL 2:1	SPIRAL 3:1	1:1.5	SPIRAL 1:1.53	1:2	SPIRAL 1:2
3000	INPUT HORSEPOWER				56.00		25.50	15.40				
	OUTPUT TORQUE IN. LBS.				1765.00		1072.00	951.00				
	‡INPUT O.H.L.				38.00		100.00	35.00				
	‡OUTPUT O.H.L.				80.00		725.00	100.00				
2400	INPUT HORSEPOWER		59.00		46.00		20.67	12.50		64.00		
	OUTPUT TORQUE IN. LBS.		1550.00		1810.00		1085.00	961.00		1120.00		
	‡INPUT O.H.L.		30.00		59.00		125.00	45.00		42.00		
	‡OUTPUT O.H.L.		65.00		100.00		800.00	225.00		68.00		
1750	INPUT HORSEPOWER		46.00	15.00	35.00	7.30	15.40	9.20		49.00		
	OUTPUT TORQUE IN. LBS.		1650.00	810.00	1887.00	525.00	1112.00	975.00		1180.00		
	‡INPUT O.H.L.		62.00	351.00	97.00	459.00	225.00	85.00		79.00		
	‡OUTPUT O.H.L.		100.00	300.00	140.00	330.00	900.00	350.00		140.00		
1150	INPUT HORSEPOWER	24.20	30.50	10.60	23.00	5.40	10.30	6.15		34.50		19.90
	OUTPUT TORQUE IN. LBS.	1320.00	1670.00	870.00	1930.00	591.00	1125.70	989.00		1260.00		545.00
	‡INPUT O.H.L.	126.00	109.00	446.00	133.00	521.00	400.00	100.00		102.00		325.00
	‡OUTPUT O.H.L.	190.00	160.00	340.00	190.00	380.00	1075.00	500.00		149.00		300.00
850	INPUT HORSEPOWER	19.00	24.00	8.20	18.00	4.50	7.68	4.60	11.80	26.50	7.00	15.00
	OUTPUT TORQUE IN. LBS.	1410.00	1790.00	910.00	2000.00	667.00	1139.00	998.00	580.00	1310.00	260.00	556.00
	‡INPUT O.H.L.	158.00	143.00	524.00	161.00	567.00	525.00	195.00	513.00	142.00	576.00	450.00
	‡OUTPUT O.H.L.	230.00	210.00	400.00	230.00	440.00	1080.00	750.00	520.00	178.00	400.00	350.00
690	INPUT HORSEPOWER	16.30	20.00	7.10	15.00	3.90	6.28	3.75	9.80	21.80	6.75	12.30
	OUTPUT TORQUE IN. LBS.	1480.00	1830.00	970.00	2050.00	712.00	1147.00	1009.00	600.00	1330.00	308.00	562.00
	‡INPUT O.H.L.	213.00	178.00	558.00	217.00	603.00	600.00	215.00	559.00	212.00	598.00	500.00
	‡OUTPUT O.H.L.	265.00	250.00	445.00	270.00	465.00	1080.00	800.00	679.00	307.00	400.00	400.00
300	INPUT HORSEPOWER	8.14	10.00	3.50	7.00	1.80	2.80	1.65	4.90	10.00	3.25	5.50
	OUTPUT TORQUE IN. LBS.	1700.00	2100.00	1100.00	2205.00	756.00	1177.00	1031.00	685.00	1400.00	340.00	578.00
	‡INPUT O.H.L.	418.00	312.00	744.00	421.00	806.00	900.00	550.00	750.00	370.00	793.00	875.00
	‡OUTPUT O.H.L.	425.00	420.00	645.00	425.00	715.00	1080.00	1080.00	770.00	393.00	400.00	400.00
100	INPUT HORSEPOWER	2.86	3.70	1.40	3.00	.70	.95	.55	1.80	3.50	1.30	1.88
	OUTPUT TORQUE IN. LBS.	1800.00	2330.00	1320.00	2835.00	882.00	1198.00	1056.00	775.00	1470.00	410.00	592.00
	‡INPUT O.H.L.	625.00	493.00	900.00	611.00	900.00	900.00	800.00	900.00	420.00	900.00	900.00
	‡OUTPUT O.H.L.	695.00	685.00	965.00	685.00	1080.00	1080.00	1080.00	900.00	620.00	400.00	400.00
WR ² (Lb. In. ²) REFERRED TO HIGH SPEED SHAFT	STYLE											
	A, B	6.29	5.42	3.10	4.04	1.87	2.17	1.24	7.45	9.39	6.71	8.31
	C, D, E, F	6.08	5.21	3.00	3.96	1.82	2.12	1.22	6.99	9.08	6.38	7.98
	G	8.76	7.45	4.43	6.27	2.59	3.19	1.68	9.54	12.28	10.71	12.24
	GG	9.21	7.90	4.46	5.47	2.81	3.08	1.97	10.87	15.04	9.96	13.23
WR ² (Lb. In. ²) REFERRED TO LOW SPEED SHAFT	A, B	6.29	5.42	6.97	9.42	7.50	8.67	11.17	3.31	4.03	1.68	2.08
	C, D, E, F	6.08	5.21	6.76	9.22	7.29	8.46	10.96	3.11	3.90	1.59	1.99
	G	8.76	7.45	9.96	14.62	10.35	12.77	15.16	4.24	5.27	2.68	3.06
	GG	9.21	7.90	10.03	12.74	11.22	12.33	17.70	4.83	6.46	2.49	3.31

†For Higher Input Speeds Consult Factory.

‡Overhung Load In lbs. At Center of Shaft Extensions.

Model 66

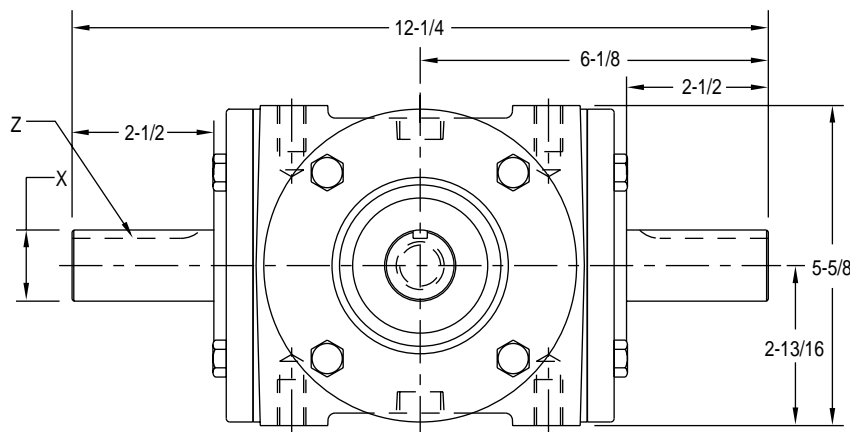


NOTE: STYLE G & GG

1. DIMENSIONS FOR SHAFTS A, A1, AND A2 ARE IDENTICAL FOR ALL RATIOS.
2. CENTERLINE TO END OF SHAFT DIMENSIONS WILL VARY. REQUEST CERTIFIED DIMENSIONAL PRINTS.

CROSS SHAFT REDUCTION RATIOS							
MODEL NO.	1:1	1:1 SPIRAL	1.5:1	1.53:1 SPIRAL	2:1	2:1 SPIRAL	3:1 SPIRAL
DIA. X	$\frac{1.250}{1.249}$						
KEYWAY Z	1/4 x 1/8 x 1-29/32 EFF. LGTH.						

CROSS SHAFT INCREASER RATIOS				
RATIO	1:1.5	1:1.5 SPIRAL	1:2	1:2 SPIRAL
DIA. X	$\frac{1.250}{1.249}$	$\frac{1.125}{1.124}$	$\frac{1.000}{.999}$	$\frac{1.000}{.999}$
KEYWAY Z	1/4 x 1/8 x 1-29/32 EFF. LGTH.			

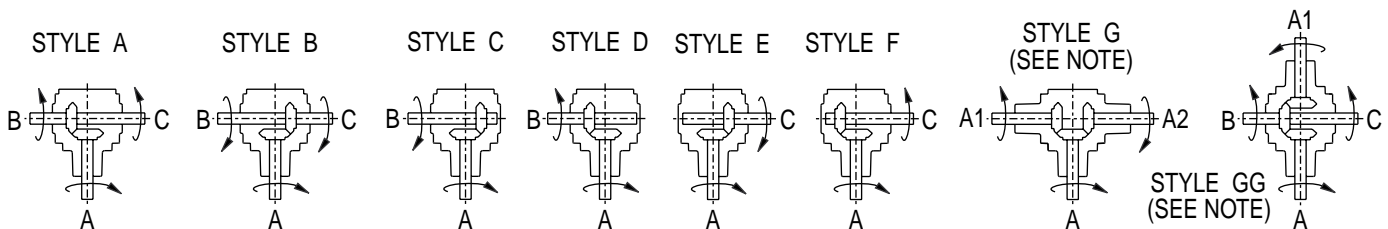


FOR LUBRICATION AND INSTALLATION INSTRUCTIONS - REFER TO SECTION R

DRY SHIPPING WEIGHTS
 STYLES A, B, C, D, E, F43 lbs.
 STYLES G53 lbs.
 STYLES GG65 lbs.

Standard Styles Available

DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. CERTIFIED PRINTS ARE AVAILABLE UPON REQUEST.



CONSULT FACTORY FOR VERTICAL SHAFT LUBRICATION RECOMMENDATIONS
 INPUT SHAFT CAN BE ROTATED IN EITHER DIRECTION