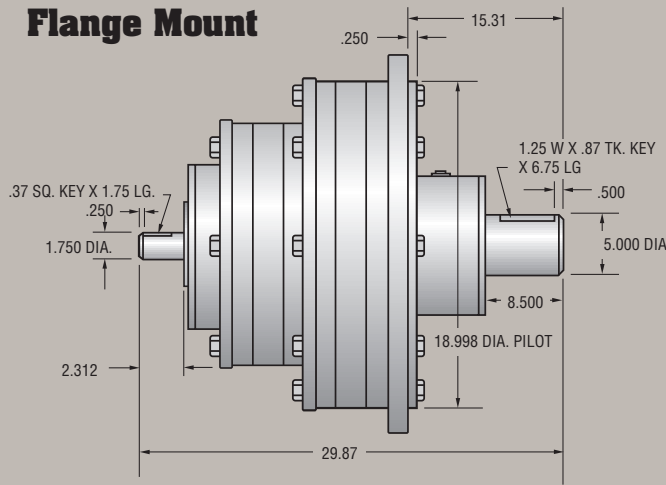


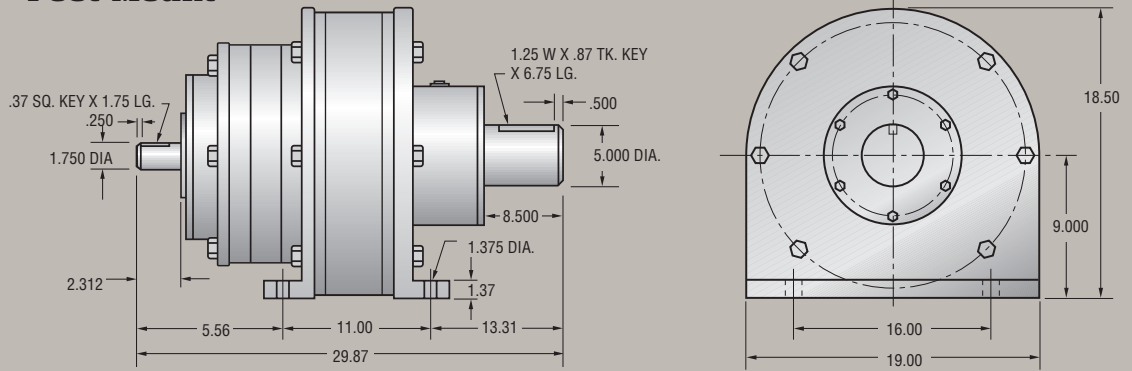
Model 110-150S

Double Reduction Planetary Gear Reducer

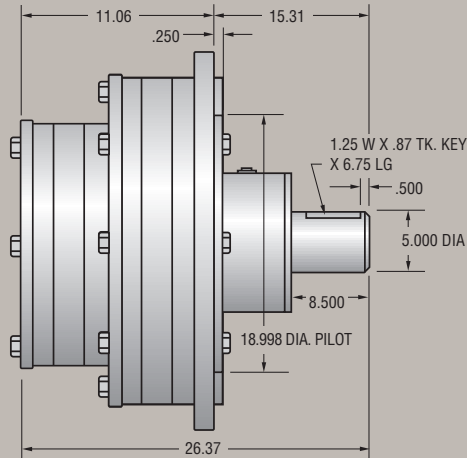
Flange Mount



Foot Mount



Flange or Foot Mount w/SAE or NEMA Input



NEMA Electric Motor Direct Mount

"C" face direct couple of motor to speed reducer. No need for coupling or special motor mounts.

SAE Hydraulic Motor Direct Mount

2 bolt or 4 bolt direct couple of hydraulic motor to speed reducer. No need for coupling or special motor mounts.



Byrne
**Gear Corporation
of America**

- Planetary speed reducers
- High-speed increasers
- Custom design geared products

"The Problem Solver"

Model 110-150S

Double Reduction Planetary Gear Reducer

Planetary Assembly	Ratios	OUTPUT HORSE POWER RATINGS (Adjusted for Thermal Efficiencies)						
		INPUT R.P.M.						
		100	580	720	870	1170	1430	1750
EE	9.00	23.89	81.79	95.15	108.63	133.66	153.82	177.18
EA	10.50	19.50	66.74	77.65	88.65	109.07	125.52	144.58
EB	12.00	20.33	69.59	80.96	92.43	113.73	130.88	150.75
AA	12.25	17.50	59.91	69.70	79.58	97.92	112.68	129.79
CE	12.99	18.47	63.23	73.56	83.98	103.33	118.91	136.97
AB	14.00	18.25	62.47	72.68	82.98	102.10	117.49	135.33
CA	15.15	15.07	51.59	60.03	68.53	84.32	97.04	111.77
BB	16.00	16.62	56.90	66.19	75.57	92.99	107.01	123.26
CB	17.32	15.72	53.80	62.59	71.45	87.92	101.18	116.54
DE	18.00	14.71	50.35	58.57	66.87	82.28	94.69	109.07
CC	18.75	11.03	37.74	43.91	50.13	61.69	70.99	81.77
DA	21.00	12.00	41.08	47.80	54.57	67.14	77.27	89.00
DB	24.00	12.52	42.84	49.84	56.90	70.01	80.57	92.80
DC	25.98	8.78	30.06	34.97	39.92	49.12	56.53	65.11
DD	36.00	6.72	22.99	26.75	30.54	37.58	43.25	49.81

Ratings based upon uniform steady and moderate shock loading. See load factor chart for details.

OUTPUT SHAFT RADIAL (overhung) LOAD CAPACITIES (at output r.p.m.)								
R.P.M.	10	20	30	50	100	200	300	500
Radial Capacity (lbs.)	22,500	18,000	16,000	14,000	11,000	10,000	9,000	7,500

OUTPUT SHAFT THRUST LOAD CAPACITIES (at output r.p.m.)								
R.P.M.	10	20	30	50	100	200	300	500
Thrust Capacity (lbs.)	29,511	24,037	21,282	18,294	14,832	12,041	10,668	9,150

OUTPUT SHAFT MAXIMUM CONTINUOUS TORQUE CAPACITY: 150,119 lb./inches
OUTPUT SHAFT INTERMITTENT TORQUE CAPACITY: 300,238 lb./inches
WEIGHT: 800 lbs.
RATING SYSTEM: All Ratings Based Upon American Gear Manufacturers' Association Standards



Byrne

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