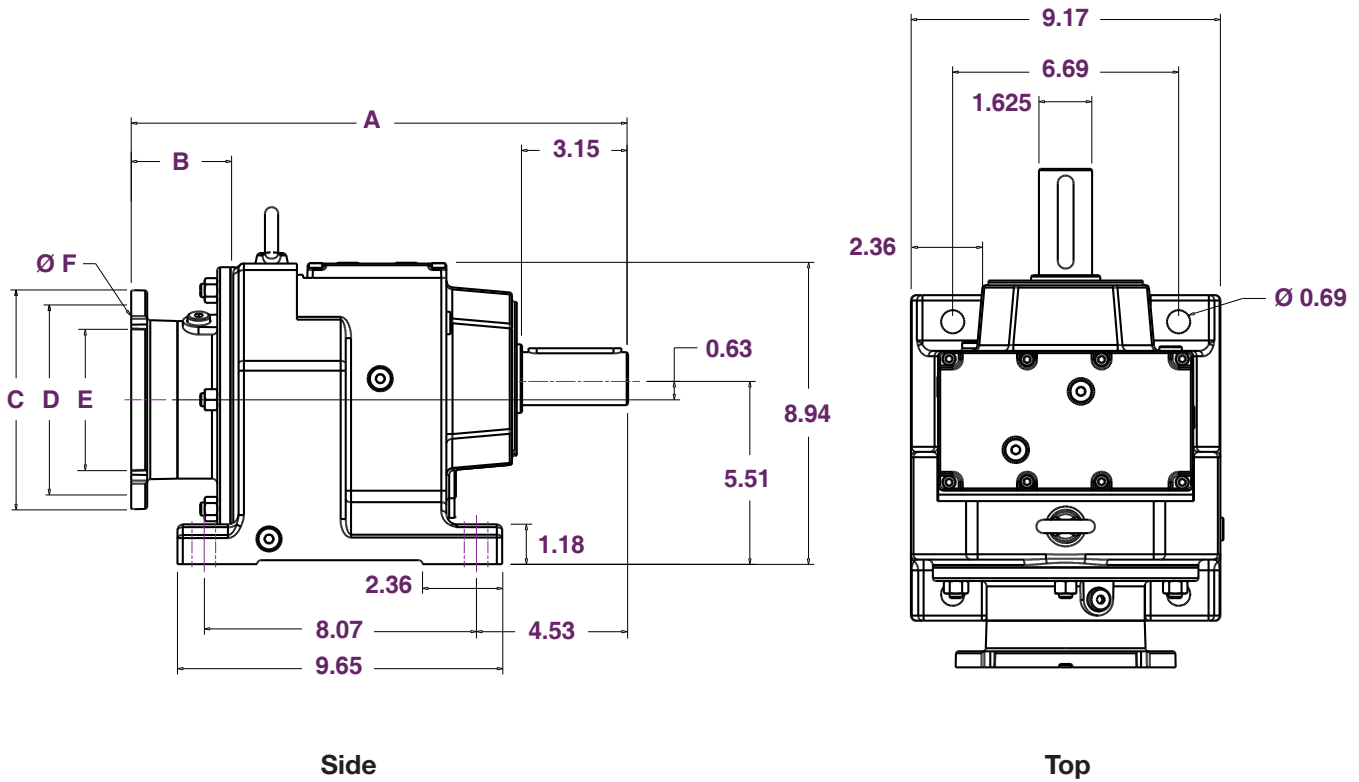




# VR78 Dimensions

All dimensions listed in inches



## Available Flanges:

Nema Flange Size	A (in)	B (in)	C (in)	D (in)	E (in)	F (in)
56C	14.25	2.44	6.50	5.88	4.500	0.41
140TC	14.76	2.95	6.50	5.88	4.500	0.43
180TC	15.43	3.62	9.00	7.25	8.500	0.59
210TC	17.95	6.14	9.00	7.25	8.500	0.59

## Motor Options

Nema Frame	Motor Shaft Dia. (in)
56C	0.625
143TC	0.875
145TC	0.875
182TC	1.125
184TC	1.125
213TC	1.375
215TC	1.375

## Efficiency

Reduction Stages	Efficiency (%)
2	96
3	94

## Specifications

Output Key Width (in)	Est. Oil* (oz)	Approx. Dry Reducer Weight* (lbs)
0.375	40.58	68.34

**NOTE:** \*Oil estimation assumes standard mounting position "A". See page 55 for more information on specific oil amounts in various mounting positions.

\*Reducer weights are approximate and can vary by several pounds depending on flange and ratio options.

Ø = common engineering symbol for "diameter".

# VR78 Specifications

## Stock VR78 Specifications:

Input Speed: 1750 RPM

Service Factor: 1.0

Nominal Ratio	Actual Ratio (:1)	Output Speed (RPM)	Input Power (HP)	Output Power (HP)	Output Torque (in-lbs)	Reduction Stages
40	39.88	43.88	3.80	3.57	5,133.4	3
30	28.13	62.21	4.91	4.72	4,779.4	2
20	19.89	87.98	7.72	7.41	5,310.4	2
15	14.91	117.37	9.44	9.07	4,867.9	2
10	10.00	175.00	12.03	11.55	4,159.8	2

## Special Order VR68 Specifications:

Input Speed: 1750 RPM

Service Factor: 1.0

Actual Ratio (:1)	Output Speed (RPM)	Input Power (HP)	Output Power (HP)	Output Torque (in-lbs)	Reduction Stages
199.81	8.76	0.78	0.74	5,310.4	3
184.07	9.51	0.85	0.80	5,310.4	3
158.14	11.07	0.99	0.93	5,310.4	3
137.67	12.71	1.14	1.07	5,310.4	3
128.97	13.57	1.21	1.14	5,310.4	3
113.94	15.36	1.37	1.29	5,310.4	3
105.83	16.54	1.48	1.39	5,310.4	3
95.91	18.25	1.63	1.54	5,310.4	3
86.11	20.32	1.82	1.71	5,310.4	3
74.17	23.59	2.11	1.99	5,310.4	3
69.75	25.09	2.25	2.11	5,310.4	3
61.26	28.57	2.56	2.41	5,310.4	3
56.89	30.76	2.75	2.59	5,310.4	3
51.56	33.94	3.04	2.86	5,310.4	3
46.29	37.81	3.38	3.19	5,310.4	3
37.50	46.67	3.97	3.74	5,044.9	3
32.27	54.23	4.37	4.11	4,779.4	3
26.72	65.49	5.17	4.97	4,779.4	2
23.44	74.66	6.11	5.87	4,956.4	2
17.95	97.49	8.41	8.08	5,221.9	2
15.79	110.83	9.08	8.72	4,956.4	2
12.70	137.80	10.48	10.06	4,602.4	2
11.54	151.65	11.09	10.65	4,425.4	2
8.70	201.15	12.94	12.43	3,894.3	2
7.79	224.65	12.48	11.99	3,363.3	2
7.36	237.77	12.86	12.35	3,274.8	2
6.27	279.11	13.47	12.93	2,920.7	2
5.70	307.02	13.92	13.37	2,743.7	2
4.93	354.97	15.05	14.46	2,566.7	2
4.29	407.93	16.10	15.47	2,389.7	2

