

### 3.1.1 F-500

|   |         |
|---|---------|
| Gear Ratio                                  | 4.286:1 |
| Pinion Shaft Diameter                       | 5.5"    |
| Suction Flange                              | 8"      |
| Discharge Flange                            | 4"      |
| Overall Length                              | 12'     |
| Overall Width (Without Strainer Block)      | 8.89'   |
| Overall Height (Without Pulsation Dampener) | 7.21'   |
| Gross Weight (lbs)                          | 21,548  |

#### TFI F-500 Triplex Pump - Sizes and Ratings

| Liner Size |        |     | Displacement |      |            |      | Maximum Pressure |      | Pump SPM | Input HP | Input kW |
|------------|--------|-----|--------------|------|------------|------|------------------|------|----------|----------|----------|
| Dia.       | Stroke |     | Per Stroke   |      | Per Minute |      | Psi              | MPa  |          |          |          |
| in         | in     | mm  | Gal.         | Lit. | Gal.       | Lit. |                  |      |          |          |          |
| 6-3/4      | 7.5    | 191 | 3.43         | 13.0 | 556        | 2113 | 1349             | 9.3  | 165      | 500      | 375      |
| 6-1/2      |        |     | 3.04         | 11.5 | 493        | 1896 | 1523             | 10.5 |          |          |          |
| 6-1/4      |        |     | 2.67         | 10.1 | 433        | 1666 | 1726             | 11.9 |          |          |          |
| 6          |        |     | 2.23         | 8.8  | 377        | 1451 | 1987             | 13.7 |          |          |          |
| 5-1/2      |        |     | 1.98         | 7.6  | 325        | 1252 | 2306             | 15.9 |          |          |          |
| 5          |        |     | 1.69         | 6.5  | 277        | 1066 | 2698             | 18.6 |          |          |          |
| 4-1/2      |        |     | 1.40         | 5.4  | 233        | 896  | 3220             | 22.2 |          |          |          |
| 4          |        |     | 1.22         | 4.6  | 202        | 763  | 3886             | 26.8 |          |          |          |

Note: mechanical efficiency 90%; volumetric efficiency 100%.