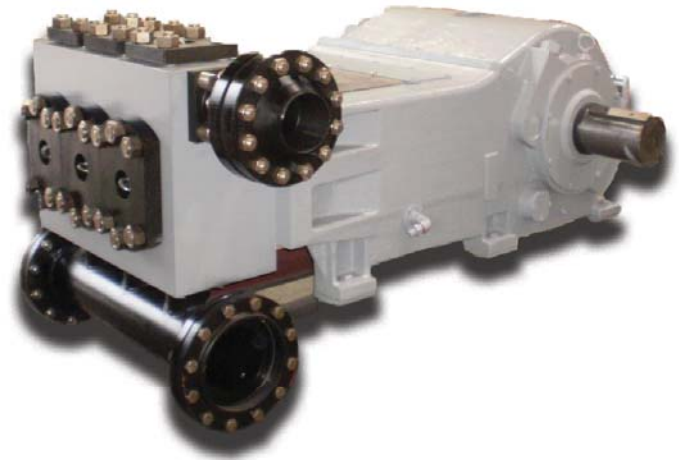


T425 Triplex Pump

Pump Specifications

| | | |
|---------------------------------------|--------|--------|
| Rated (HP, kW) | 423 | 311 |
| Stroke length (in., mm) | 7.87 | 200 |
| Maximum discharge pressure (PSI, Bar) | | |
| A - Fluid Cylinder | 6,050 | 417 |
| B - Fluid Cylinder | 3,870 | 267 |
| C - Fluid Cylinder | 3,090 | 213 |
| D - Fluid Cylinder | 2,090 | 144 |
| E - Fluid Cylinder | 1,250 | 86 |
| Rated rod load (lb, kg) | 29,700 | 13,500 |
| Intermittent duty speed | 250 | |
| Maximum continuous duty speed | 215 | |
| Minimum speed | 75 | |
| Crankshaft dimensions (in., mm) | | |
| Diameter | 7.09 | 180 |
| Length (both sides) | 9.84 | 250 |
| Oil capacity (gal, l) | 49 | 187 |
| Weight (lb, kg); estimates only | 8,375 | 3,800 |
| Mechanical efficiency | 90% | |



Flange Connections

| Fluid Cylinder | Discharge Connection Sizes (in., mm) | Suction Connection Sizes (in., mm) |
|----------------|--------------------------------------|------------------------------------|
| A | 2" NPT / 50.8 | 4" NPT / 101.6 |
| B | 3" NPT / 76.2 | 6" CL150RF / 152.4 |
| C | 3" NPT / 76.2 | 6" CL150RF / 152.4 |
| D | 4" NPT / 101.6 | 8" CL150RF / 203.2 |
| E | 6" CL600RF / 152.4 | 10" CL150RF / 254 |

Applications

- Amine gas sweetening
- Methanol injection
- Water injection
- Chemical injection
- Glycol gas dehydration
- Light hydrocarbon transportation
- Crude transfer
- Polymer flood
- Produced water disposal
- Steam boiler feed
- Hydrostatic testing
- Ammonia
- Horizontal directional drilling
- Hot-oil truck injection

Standard Equipment

- Forged duplex stainless steel, or forged carbon steel and 316 stainless steel fluid ends
- Duplex stainless steel stuffing boxes
- Disc valve or A/R Stainless Steel
- Tungsten carbide coated plungers over stainless steel base or solid ceramic plungers
- Double extended crankshaft
- Multiple plunger packing arrangements offered

Optional Accessories

- Packing lubricators
- Customized plunger packing arrangements
- Complete pump packages
- Ported stuffing boxes and leak detection systems offered for H₂S or light fluids
- Auxillary lube kit (slow speed kit allows pump to be turned down to 50 rpm)

T425 Triplex Pump

Performance Ratings

| Pump Model | Plunger Size (IN) | Displacement (Gal/Rev) | Rated Pressure (PSI) | Rated Capacity (GPM) | | | Fluid Cylinder | Standard Connections | |
|--------------|-------------------|------------------------|----------------------|----------------------|--------------------|--------------|----------------|----------------------|-------------|
| | | | | 75 RPM | 215 RPM API 674 | Intermittent | | Inlet | Discharge |
| T425-2.500IN | 2.5 | 0.5020 | 6,050 | 50.2 | 107.9 | 125.5 | A | 4" NPT | 2" NPT |
| T425-2.750IN | 2.75 | 0.6074 | 5,000 | 60.7 | 130.6 | 151.8 | A | 4" NPT | 2" NPT |
| T425-3.000IN | 3 | 0.7228 | 4,200 | 72.3 | 155.4 | 180.7 | A | 4" NPT | 2" NPT |
| T425-3.125IN | 3.125 | 0.7843 | 3,870 | 78.4 | 168.6 | 196.1 | B | 6" CL150 RF | 3" NPT |
| T425-3.375IN | 3.375 | 0.9148 | 3,320 | 91.5 | 196.7 | 228.7 | B | 6" CL150 RF | 3" NPT |
| T425-3.500IN | 3.5 | 0.9839 | 3,090 | 98.4 | 211.5 | 246.0 | C | 6" CL150 RF | 3" NPT |
| T425-3.750IN | 3.75 | 1.1294 | 2,690 | 112.9 | 242.8 | 282.4 | C | 6" CL150 RF | 3" NPT |
| T425-4.000IN | 4 | 1.2850 | 2,360 | 128.5 | 276.3 | 321.3 | C | 6" CL150 RF | 3" NPT |
| T425-4.250IN | 4.25 | 1.4507 | 2,090 | 145.1 | 311.9 | 362.7 | D | 8" CL150 RF | 4" NPT |
| T425-4.750IN | 4.75 | 1.8121 | 1,680 | 181.2 | 389.6 | 453.0 | D | 8" CL150 RF | 4" NPT |
| T425-5.000IN | 5 | 2.0079 | 1,510 | 200.8 | 431.7 | 502.0 | D | 8" CL150 RF | 4" NPT |
| T425-5.500IN | 5.5 | 2.4295 | 1,250 | 243.0 | 522.3 | 607.4 | E | 10" CL150 RF | 6" CL600 RF |
| T425-6.000IN | 6 | 2.8913 | 1,050 | 289.1 | 621.6 | 722.8 | E | 10" CL150 RF | 6" CL600 RF |
| T425-6.500IN | 6.5 | 3.3933 | 900 | 339.3 | 729.6 | 848.3 | E | 10" CL150 RF | 6" CL600 RF |
| T425-6.750IN | 6.75 | 3.6593 | 830 | 365.9 | 786.8 | 914.8 | E | 10" CL150 RF | 6" CL600 RF |
| T425-7.000IN | 7 | 3.9354 | 770 | 393.5 | 846.1 | 983.9 | E | 10" CL150 RF | 6" CL600 RF |

General Dimensions (sizing dimensions not for construction purposes)

