

TI-600



[BACK TO BACK]



TI-600

MSI TI-600 WELL SERVICE PUMP

MSI Products is proud to introduce the TI-600 Well Service Pump. Our 600 horsepower triplex pump, which is suited for acidizing, cementing, gravel packing, coil tubing and well stimulation, comes with many standard features, but its most important feature is the Dixie Iron Works, Ltd commitment to quality.

The MSI TI-600 is equipped with ON-CENTER CROSSHEAD design which:

- Eliminates 6250 ft lbs of torque about the wrist pin (compared to offset crossheads)
- Lowers crosshead bearing pressure by 30% at start of stroke
- Lowers crosshead bearing pressure by 100% at end of stroke
- Allows for installation of pumps back to back within 102"

Due to the lower crosshead pressures, users will see:

- Longer life on crosshead and crosshead guides
- Lower oil temperature
- Higher mechanical efficiency

Every new MSI TI-600 Pump includes high strength fluid end bolts with a torque indicator in the head of the bolt, which provide the following advantages:

- In-service monitoring to warn users of premature loosening
- The ability to tighten bolts to proper torque without the use of a torque wrench
- Inspection time is reduced
- Helps prevent expensive downtime
- Fully machined from face to shank with rolled threads for higher strength

Fluid Ends can be changed to encompass a wide range of high pressure or high volume requirements.

- Small Fluid End accepts 2-3/4 and 3-inch plungers for high pressure service
- Large Fluid End accepts 3-1/2, 4, and 4-1/2 plunger sizes for high volume service

All pumps are manufactured under Dixie's ISO 9001 quality program established in 1993.

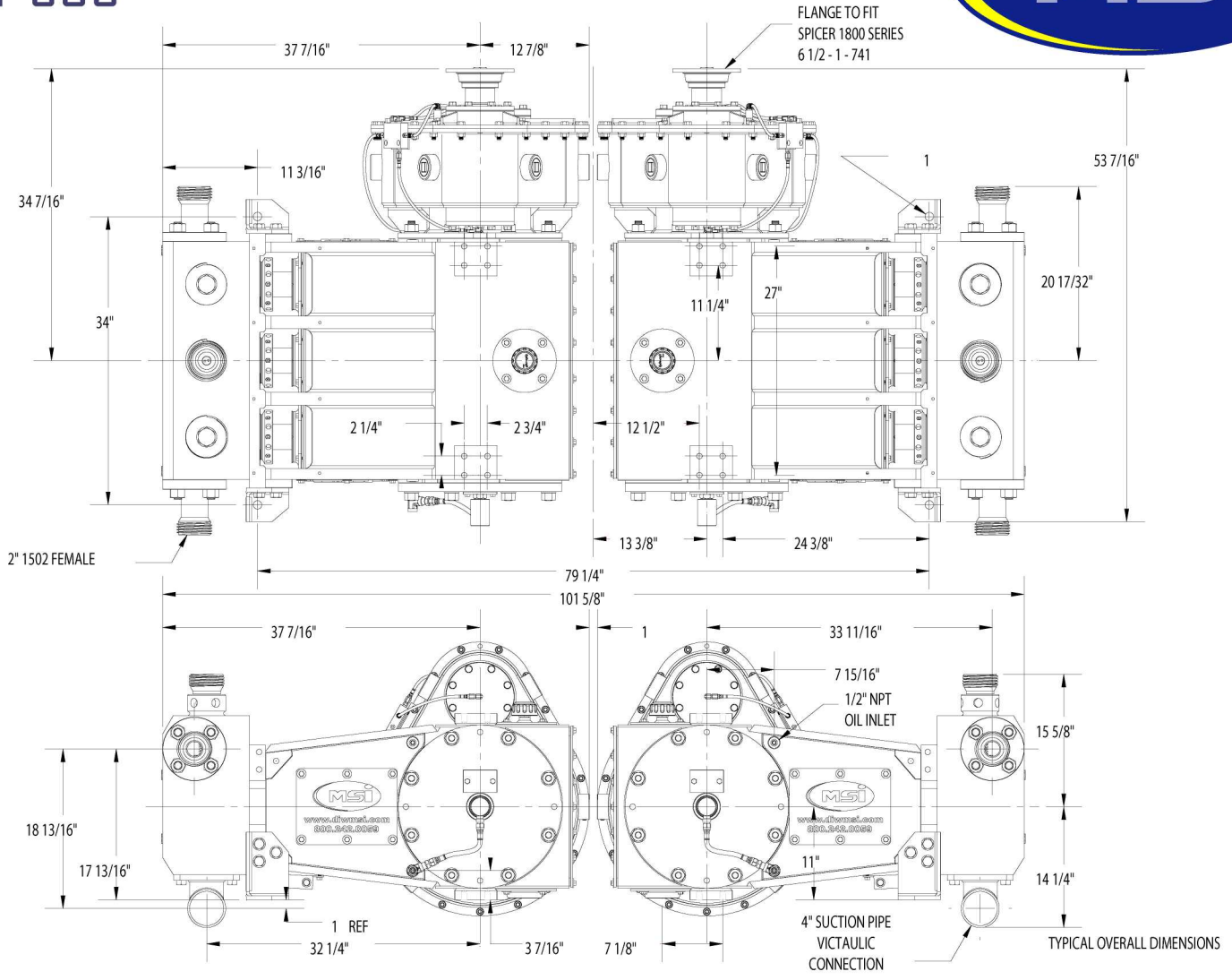


Pumping quality back to back

MSI is a division of Dixie Iron Works, Ltd.

300 West Main St, Alice, Texas 78332
ph: 800-242-0059 fax: 361-664-4840
www.diwmsi.com

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MSI TI-600 GENERAL SPECIFICATIONS AND PERFORMANCE DATA SHEET

Rated Brake Horse Power	600	Gear Ratio	4.6:1
Maximum Rod Load (lbs)	100,000	Dry Weight	4500
Stroke Length	6		

Performance Data

PLUNGER DIAMETER		GAL PER REV	DISPLACEMENT AT PUMP RPM (90% MECHANICAL EFFICIENCY)									
			50		100		200		300		450	
IN	MM		GPM	PSI	GPM	PSI	GPM	PSI	GPM	PSI	GPM	PSI
2.75	70	0.46	23	16836	46	16836	93	9999	139	6666	208	4444
3.00	76	0.55	28	14147	55	14147	110	8402	165	5601	248	3734
3.50	89	0.75	37	10394	75	10394	150	6173	225	4115	337	2744
4.00	102	0.98	49	7958	98	7958	196	4726	294	3151	441	2100
4.50	114	1.24	62	6288	124	6288	248	3734	372	2489	558	1660
INPUT POWER		BHP	253		505		600		600		600	
		KW	179		358		447		447		447	

Note: The discharge pressure is limited by the discharge flange. For pressures exceeding 15,000 psi, consult MSI Products for different end connections.

represented by

