

# PUMP

## Triplex Plunger Pump Type SJ-300



Model	SJ 300
Max. Braking	355HP
Max. Rod Load	112,050 lbf
Stroke	5"
Gear Ratio	4.32:1
L x W x H	69.29" x 46.38" x 31.7"
Weight	4,520 lbs

Plunger Diameter	SPM									
	50		100		200		300		350	
	GPM	PSI	GPM	PSI	GPM	PSI	GPM	PSI	GPM	PSI
3 3/4"	36	10,150	72	7,568	143	3,829	215	2,553	251	2,190
4"	41	8,700	82	6,715	163	3,365	245	2,234	286	1,915
4 1/2"	52	7,250	103	5,308	207	2,654	310	1,769	366	1,523
5"	64	5,500	128	4,293	255	2,147	383	1,436	446	1,233

\*Based on 90% ME and 100% VE

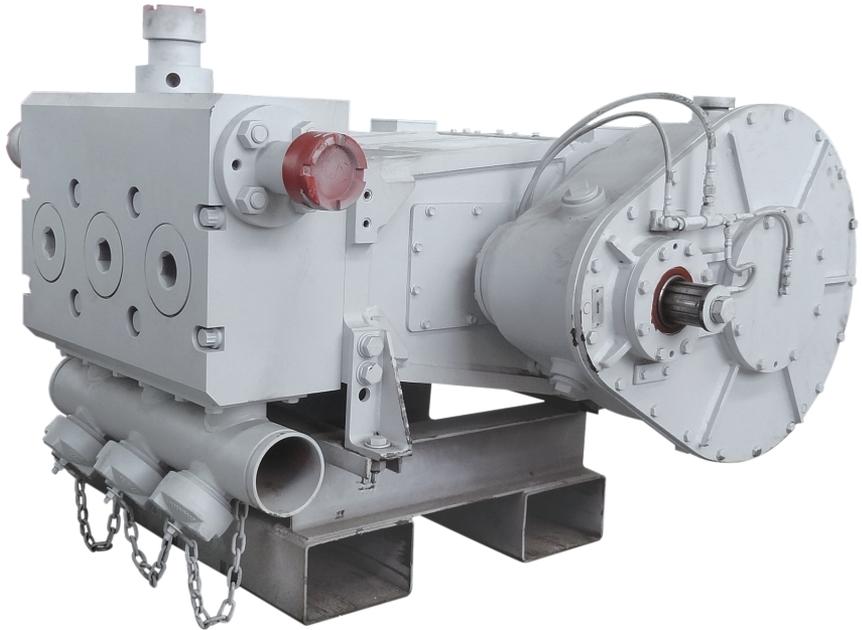


**JOLLY ENGINEERING SERVICES INC.**

TEL: (86) 513-8532 6011    [WWW.JOLLYENERGY.COM](http://WWW.JOLLYENERGY.COM)  
 FAX: (86) 513-8532 6012    [SERVICES@JOLLYENERGY.COM](mailto:SERVICES@JOLLYENERGY.COM)

# PUMP

## Triplex Plunger Pump Type TWS600S



Model	TWS 600S
Max. Braking	600 HP (447KW)
Max. Rod Load	100,000 lbs
Stroke	6"
Gear Ratio	4.61:1
L x W x H	50 1/4" x 52 15/16" x 23 7/8"
Weight	4,940 lbs

Plunger Diameter	Output Per Rev	SPM									
		50		120		200		300		450	
In	GPR	GPM	PSI	GPM	PSI	GPM	PSI	GPM	PSI	GPM	PSI
2.5	0.38	19	20,372	46	20,165	76	12,099	115	8,066	172	5,377
2.75	0.46	23	16,836	56	16,665	93	9,999	139	6,666	208	4,444
3	0.55	28	14,147	66	14,003	110	8,402	165	5,601	248	3,734
3.5	0.75	37	10,394	90	10,288	150	6,173	225	4,115	337	2,744
4	0.98	49	7,958	118	7,877	196	4,726	294	3,151	441	2,100
4.5	1.24	62	6,288	149	6,224	248	3,734	372	2,489	558	1,660
Output Power HP		253		600		600		600		600	

\*Based on 90% ME and 100% VE

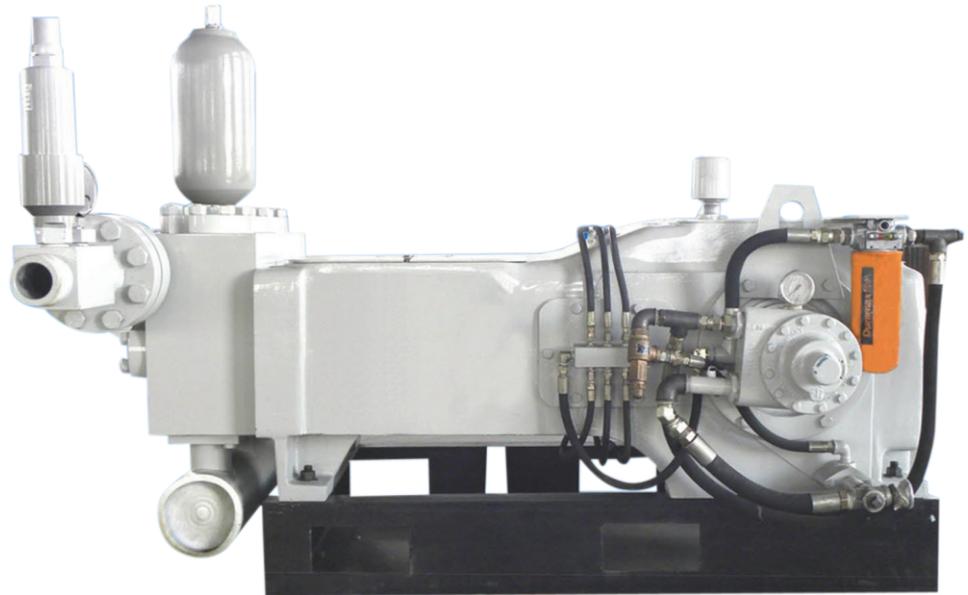


### JOLLY ENGINEERING SERVICES INC.

TEL: (86) 513-8532 6011    WWW.JOLLYENERGY.COM  
 FAX: (86) 513-8532 6012    SERVICES@JOLLYENERGY.COM

# PUMP

## Triplex Well Service Pump Type TEED-165



Model	TEED 165
Max. Braking	165 HP
Max. Rod Load	44,000 lbs
Stroke	5"
Oil Capacity	12 gal.
Maximum Jackshift RPM	300 RPM
Weight	3,300 lbs

Plunger/Piston Dia.	Output Per Rev	SPM									
		50		100		200		250		300	
		GPM	PSI	GPM	PSI	GPM	PSI	GPM	PSI	GPM	PSI
in	GPR										
4.00	0.817	41	3500	82	2950	163	1475	204	1175	245	975
3.50	0.623	31	4600	62	3800	125	1925	156	1550	187	1300
3.00	0.460	23	6200	46	5250	92	2625	115	2100	138	1750
2.75	0.387	19	7400	39	6150	77	3125	97	2500	116	2075
2.50	0.319	16	9000	32	7550	64	3775	80	3025	96	2525
2.25	0.258	13	10000	26	9300	52	4650	65	3725	77	3100
2.00	0.204	10	10000	20	10000	41	5900	51	4725	61	3925
1.75	0.156	8	10000	16	10000	31	7700	39	6175	47	5125

\*Based on 90% ME and 100% VE

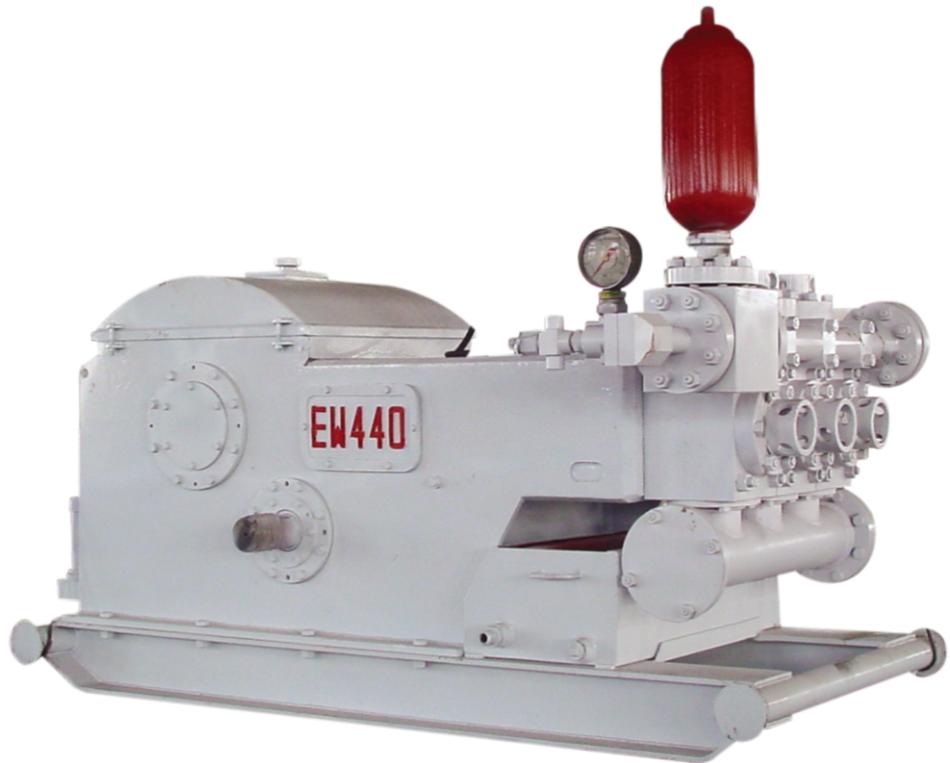


### JOLLY ENGINEERING SERVICES INC.

TEL: (86) 513-8532 6011    [WWW.JOLLYENERGY.COM](http://WWW.JOLLYENERGY.COM)  
 FAX: (86) 513-8532 6012    [SERVICES@JOLLYENERGY.COM](mailto:SERVICES@JOLLYENERGY.COM)

# PUMP

## Triplex Well Service Pump Type EW-440



Model	EW 440
Max. Braking	440HP
Working Pressure Rating	3,000 PSI
Stroke	6"
Maximum Piston	4 1/2"
Maximum Jackshift RPM	320 RPM
Weight	9,850 lbs

Liner Size	Pressure	SPM	320	270	220	170	120	70
		Input Power (HP)	440	380	320	260	200	200
in	psi	Gal/Rev	GPM					
4-1/2	1,710	1.239	397	335	273	211	149	87
4-1/4	1,917	1.105	354	299	243	188	133	77
4	2,169	0.979	313	264	215	167	118	69
3-3/4	2,468	0.861	275	232	189	146	103	60
3-1/2	2,816	0.750	240	202	165	127	90	52
3	3,227	0.551	204	149	121	94	66	39

\*Based on 90% ME and 100% VE

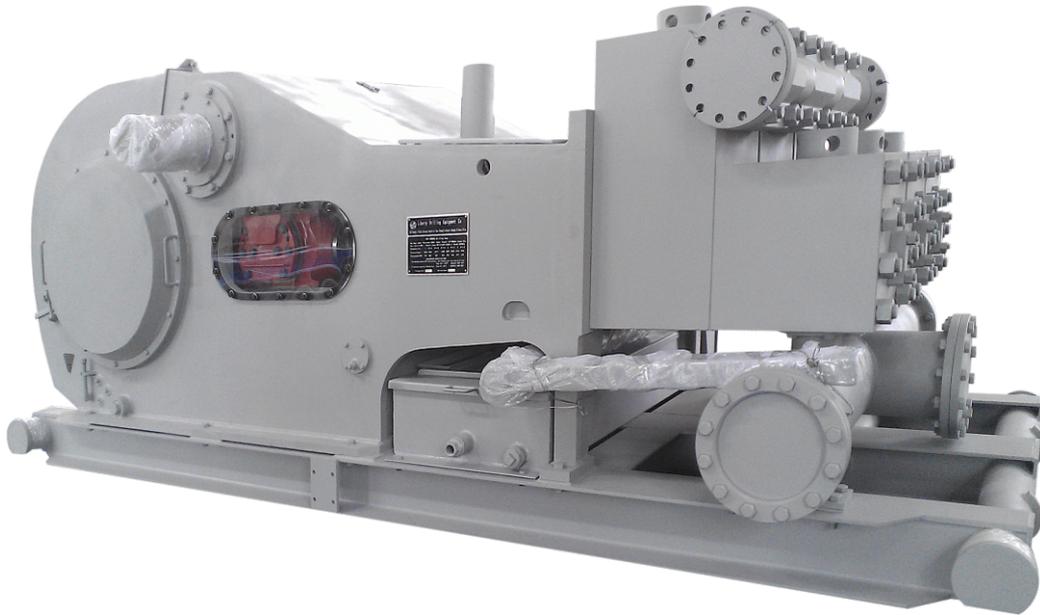


### JOLLY ENGINEERING SERVICES INC.

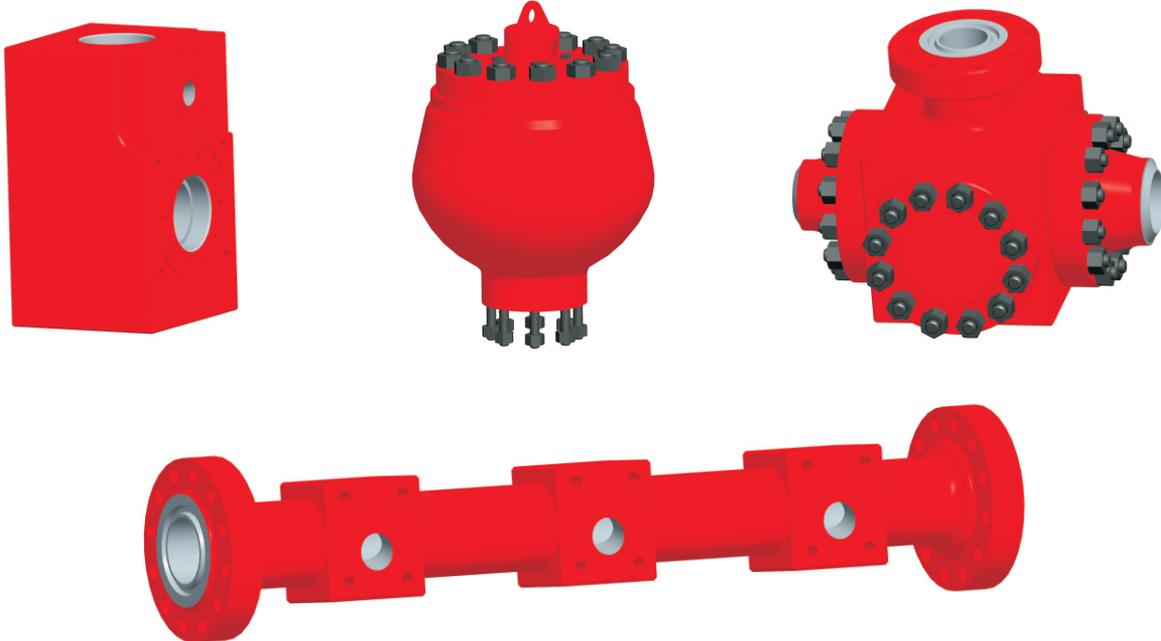
TEL: (86) 513-8532 6011    WWW.JOLLYENERGY.COM  
 FAX: (86) 513-8532 6012    SERVICES@JOLLYENERGY.COM

# PUMP

## 7500 psi High Pressure Pump & Parts



F-1600H, F-1600HL, F-2200HL



**JOLLY ENGINEERING SERVICES INC.**

TEL: (86) 513-8532 6011 [WWW.JOLLYENERGY.COM](http://WWW.JOLLYENERGY.COM)  
FAX: (86) 513-8532 6012 [SERVICES@JOLLYENERGY.COM](mailto:SERVICES@JOLLYENERGY.COM)

# PUMP

## Pump Parts



Liner, Piston, Valve & Seat



F, PZ, P, T, A Series Mud Pump Parts



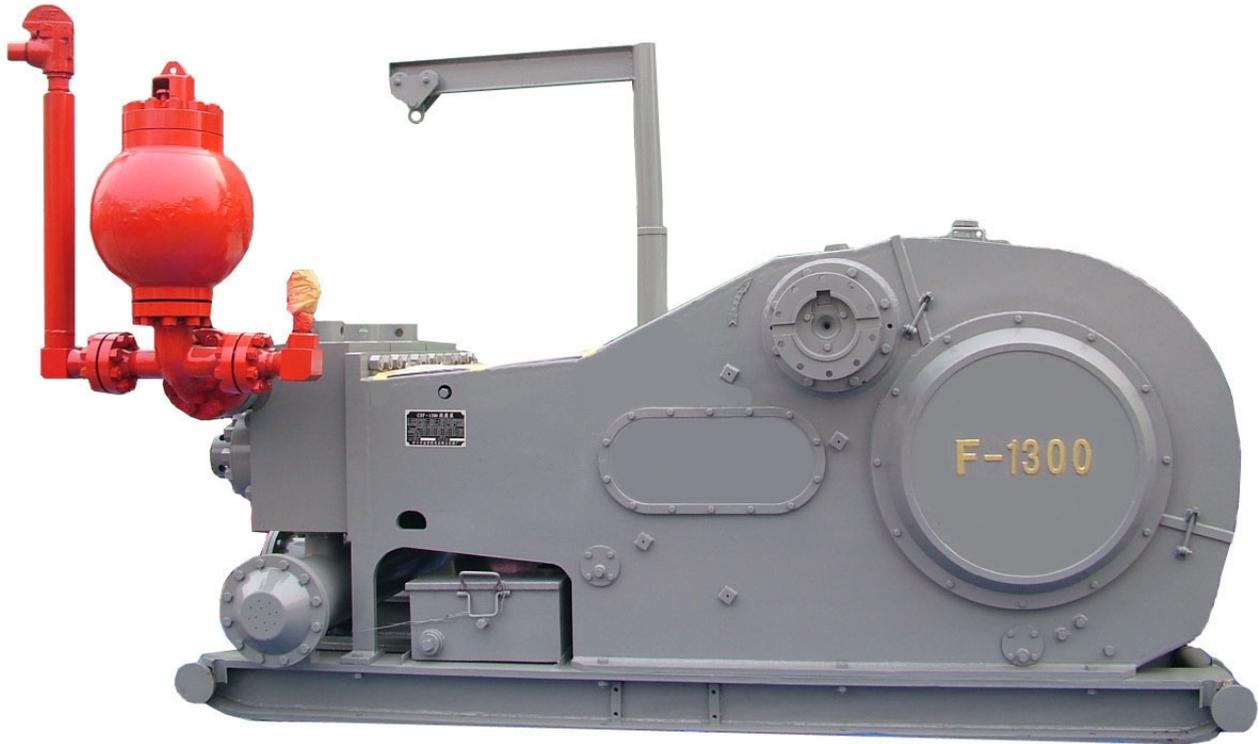
**JOLLY ENGINEERING SERVICES INC.**

TEL: (86) 513-8532 6011 [WWW.JOLLYENERGY.COM](http://WWW.JOLLYENERGY.COM)  
FAX: (86) 513-8532 6012 [SERVICES@JOLLYENERGY.COM](mailto:SERVICES@JOLLYENERGY.COM)



## F-Series Mud Pump

JES F Series Triplex Mud Pump features reasonable design and unique substructure, resulting in compact size and light weight for portability and convenient placement, plus less wearable parts as another advantage. It is very practical, as it works under various conditions, such as service work, well of different depth, land operation and drilling or service platform offshore.



Model	F-1600	F-1300	F-1000	F-800	F-500
Type	Three-Cylinder Single Action Piston				
Max. Bore × Stroke	7"×12"	7"×12"	6 <sup>3</sup> / <sub>4</sub> "×10"	6 <sup>3</sup> / <sub>4</sub> "×9"	6 <sup>3</sup> / <sub>4</sub> "×7 <sup>1</sup> / <sub>2</sub> "
Pressure w/ Max. Bore	3345psi (7")	2720psi (7")	2370psi (6 <sup>3</sup> / <sub>4</sub> ")	1968psi (6 <sup>3</sup> / <sub>4</sub> ")	1341psi(6 <sup>3</sup> / <sub>4</sub> ")
Pressure w/ Min. Bore	5000psi(5 <sup>1</sup> / <sub>4</sub> ")	5000psi(5 <sup>1</sup> / <sub>4</sub> ")	5340psi(4 <sup>1</sup> / <sub>2</sub> ")	4415psi(4 <sup>1</sup> / <sub>2</sub> ")	4850psi(3 <sup>1</sup> / <sub>2</sub> ")
Volume w/ Max. Bore	799gpm @ 130spm	799gpm @ 130spm	651gpm @ 140 pm	627gpm @ 150spm	575gpm @ 165spm
Volume w/ Min. Bore	417gpm @ 130spm	417gpm @ 130spm	289gpm @ 140spm	279gpm @ 140spm	155gpm @ 165spm
Nominal HP Rating	1600 @ 130spm	1600 @ 130spm	1000 @ 140spm	800 @ 150spm	500 @ 165spm
Gear Ratio	4.206:1	4.206:1	4.32:1	4.31:1	4.38:1

**Jolly Engineering Services Inc.**

Phone: 86-513-8532 6011

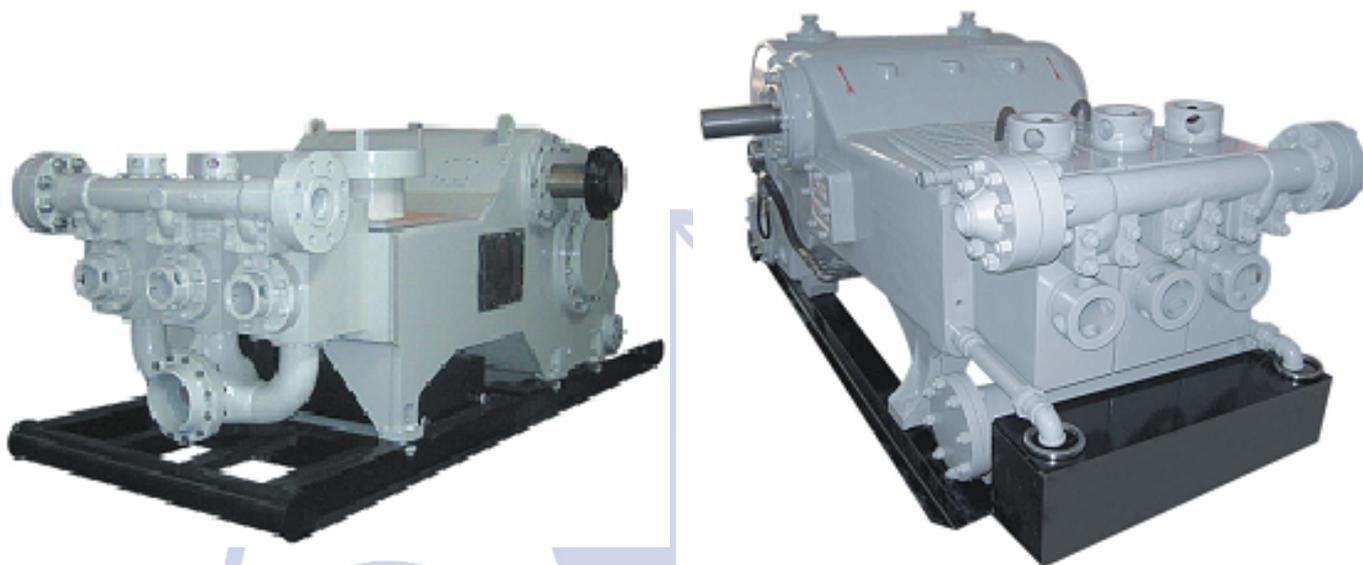
Fax: 86-513-8532 6012

[www.jollyenergy.com](http://www.jollyenergy.com)



## PZ Series Triplex Mud Pump

JES PZ Series Triplex Mud Pump adopts heat-treated alloy steel main gears bolted to the eccentric and equipped with three-rib API urethane insert valves and seats. It's an important part of well drilling and fluid transporting system.



Model	PAH	PZ-7	PZ-9
Input Power Rating (HP)	275	550	1000
Rated Pump Speed	175	145	130
Stroke	8"	7"	9"
Gear Ratio	4.7:1	4.625:1	4.483:1
Rod Load (lbs)	22,030	64,400	101,550
Rated Speed of Transmission Shaft (rpm)	823	670	582
Max. Working Pressure (Psi)	3,118	5,000	5,000
Max. Liner Diameter	Φ5"	Φ7"	Φ7"
Max. Displacement (gpm)	357	507	585
Weight (lbs)	9,810	16,765	28,425