



**Boss Oilwell Products & Manufacturing offers a complete line of high-performance & light-weight oilfield mud pump**

*-----The ultimate pump solution for onshore & offshore drilling operation-----*

Boss Oilwell Products & Manufacturing (BOPM) is committed to providing the highest quality products and services to our customers. We offer a full line of Triplex Mud Pumps from 165HP to 2200HP. All of our P Series pumps are fully interchangeable with the OEM. Each of the 200 mud pumps we have supplied to our US customers has gone through rigorous quality checks in our plant and secondary full-scale inspection in Houston before they are shipped to our customers here in the US. We stand firmly behind our products and provide full service and support after customer purchases.

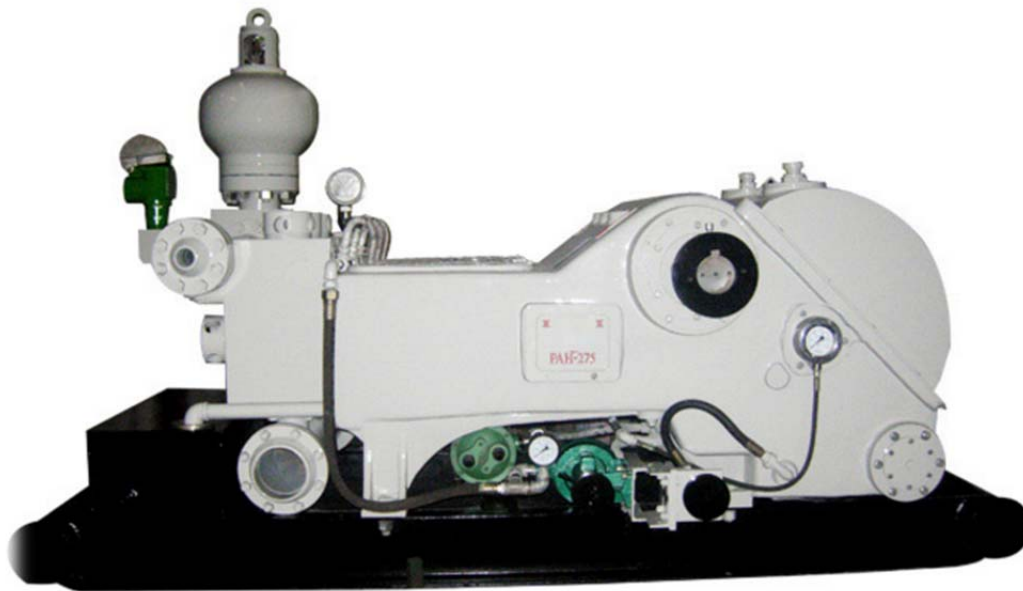
- **High Performance, Light-weight**
- **Available size from 275HP--1600HP**
- **Up to 7,500psi Max. Pressure**
- **Fully Interchangeable with GD OEM pump**
- **Rigid and Comprehensive Quality Control Procedure**
- **Outstanding Product Warranty**

# ***BOSS P series mud pump***

## **BOSS P-275/310 TRIPLEX MUD PUMP**

### **DESIGN FEATURES**

The P-275/310 single acting triplex mud pump is designed for a broad range of applications for fluid services with easy maintenance and is assembled into a rigid steel fabricated frame mounted on a pony skid. The pump is fully interchangeable with the equivalent OEM.



<b>MODEL</b>	<b>P-275/310</b>
Max. Liner Size x Stroke	5" x 8"
Max. Power	275 HP Continuous Service 310 HP Intermittent Service
Max. RPM	175 RPM
Gear Ratio	4.7:1
Valve Pot	API #4
Weight	8600 LB

Performance: P-275 Triplex Mud Pump (5" x 8") Continuous Service; MAX 275 HP

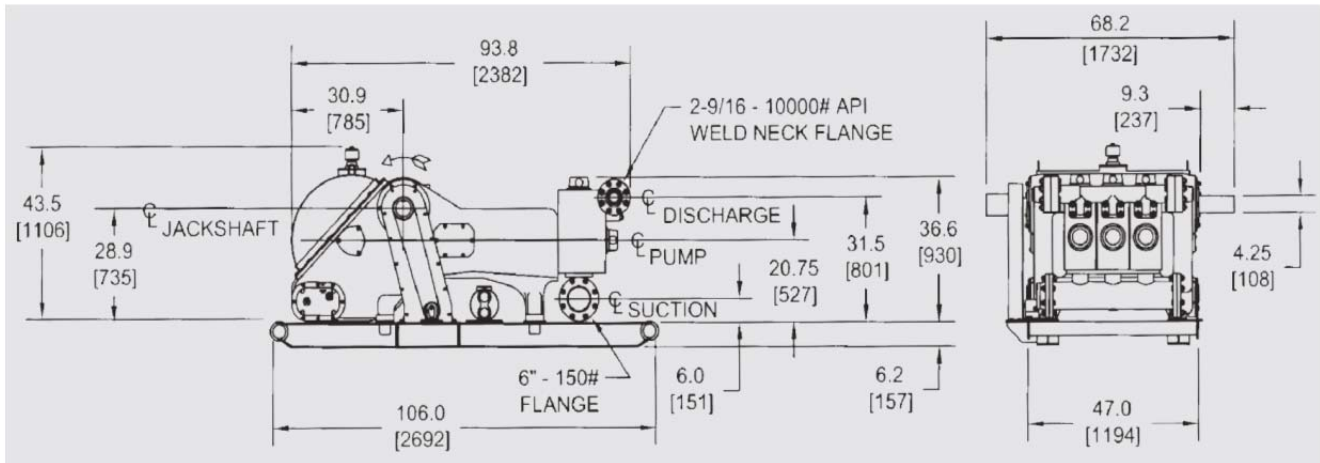
Cylinder		Displacement		Max. Pressure (psi)	Rod Load (lb)	Pump RPM	Jack Shaft RPM	Input Horsepower (hp)
Liner Size (in)	Stroke (in)	Per Revolution (gal)	Per Min. (gal)					
5"	8"	2.04	357	1122	22030	175	823	275
4-1/2"		1.65	289	1386				
4"		1.31	228	1753				
3-1/2"		1.00	175	2290				
3-1/4"		.862	151	2657				
3"		.734	128	3118				

Performance: P-310 Triplex Mud Pump (5" x 8") Intermittent Service; MAX 310 HP

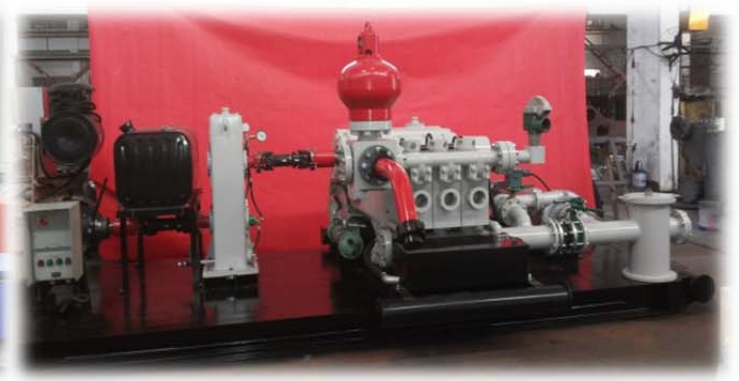
Pump RPM	Jackshot RPM	Plunger or Piston Size (in)				Piston Size (in)	
		4-1/2"		4"		5"	
		GPM	PSI	GPM	PSI	GPM	PSI
175	825	290	1550	228	2000	357	1265
150	705	248	1820	195	2300	306	1475
125	587	207	2180	163	2750	255	1770
100	470	165	2730	130	3470	204	2215
75	352	124	3640	97	4650	153	2950
50	235	83	*5400	65	*6950	102	4430
34	160	56	*8000	44	*10000	69	5000

\*Note: Piston/Liner construction limited to 5000 PSI max pressure.

## DIMENSIONS: P-275/310



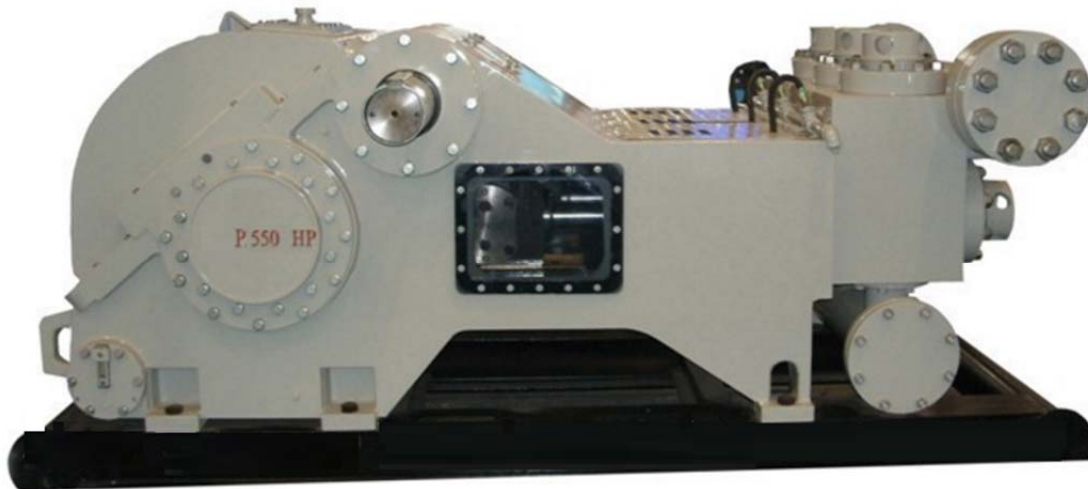
P275/310 pump package



## **BOSS P-550 SERIES TRIPLEX MUD PUMP**

### **DESIGN FEATURES**

The BOSS P-550 series triplex mud pumps are fully interchangeable with the equivalent OEM. Pump features a rigid steel fabricated frame with a casted suction manifold with a single front inlet or fabricated two-sided inlet. Discharge connection may be made from either side of the pump. Includes strainer block with pulsation dampener, mounted on a pony skid.



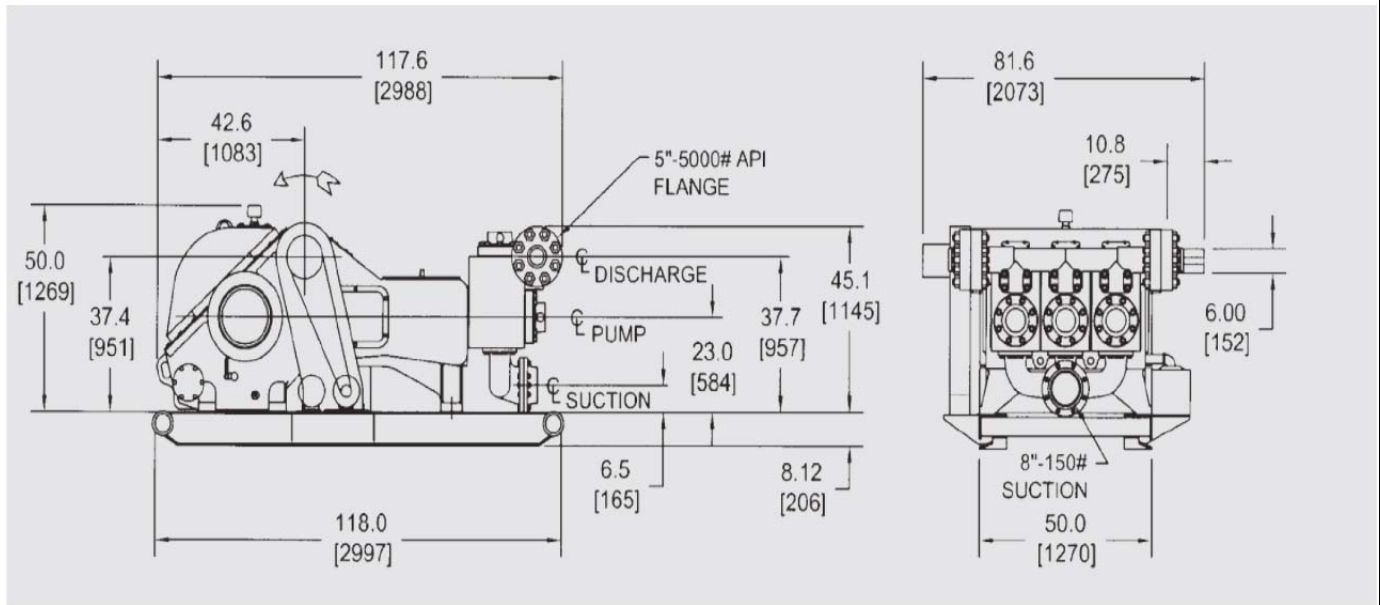
## SPECIFICATIONS: P-550 Triplex Mud Pump

MODEL	P-550
Max. Liner Size x Stroke	7" x 7"
Power Rating	550 HP
Max. RPM	165 RPM
Gear Ratio	4.625:1
Valve Pot	API #7
Weight	18,000 LB

## PERFORMANCE: P-550 TRIPLEX MUD PUMP (7" X 7")

Cylinder		Displacement		Max. Pressure (psi)	Piston Load (lb)	Pump RPM	Jack Shaft RPM	Input Horsepower (hp)
Liner Size (in)	Stroke (in)	Per Revolution (gal)	Per Minute (gal)					
7"	7"	3.50	577	1673	64,400	165	763	550
6-1/2"		3.02	498	1940				
6"		2.57	424	2277				
5-1/2"		2.16	356	2710				
5"		1.79	295	3279				
4-1/2"		1.45	238	4048				
4"		1.14	166	5000				

## DIMENSIONS: P-550





## BOSS P-BOSS 750 SERIES TRIPLEX MUD PUMP

### DESIGN FEATURES

The BOSS P-750 series triplex mud pumps are fully interchangeable with the equivalent OEM. Pump features a double extended jackshaft carried on heavy duty straight roller bearings and dual roller bearing connecting rods. The main gears bolted to the eccentric are heat treated along with the interchangeable fluid ends. The replaceable crosshead slides are bronze and the valve covers are threaded. Pump comes with strainer block with pulsation dampener, mounted on a pony skid.



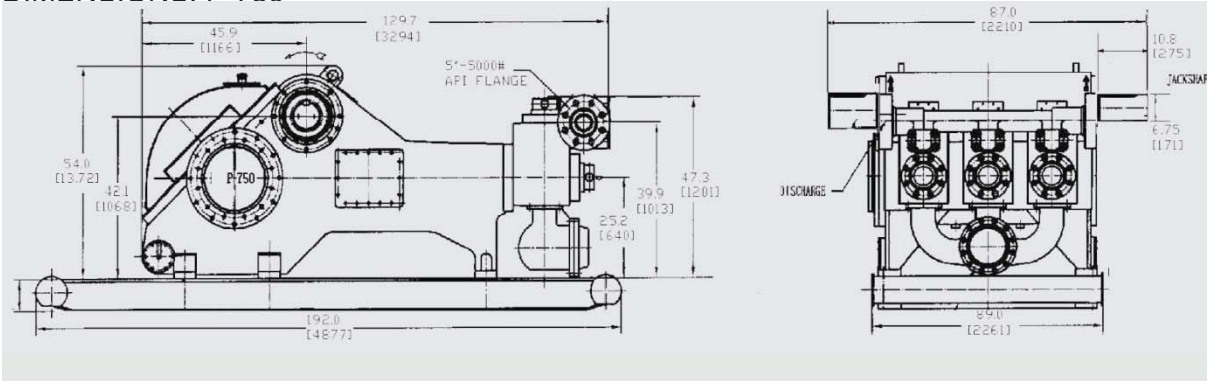
### SPECIFICATIONS: P-750 Triplex Mud Pump

MODEL	P-750
Max. Liner Size x Stroke	7" x 8"
Power Rating	750 HP
Max. RPM	145 RPM
Gear Ratio	4.5:1
Valve Pot	API #7
Weight	19,500 LB

### PERFORMANCE: P-750 TRIPLEX MUD PUMP (7" X 8")

Cylinder		Displacement		Max. Pressure (psi)	Piston Load (lb)	Pump RPM	Jack Shaft RPM	Input Horsepower (hp)
Liner Size (in)	Stroke (in)	Per Revolution (gal)	Per Minute (gal)					
7"	8"	4	580	1,996	76,800	145	652	750
6-1/2"		3.45	500	2,315				
6-1/4"		3.19	462	2,504				
6"		2.94	426	2,717				
5-1/2"		2.47	258	3,233				
5"		2.04	296	3,912				
4-1/2"		1.65	240	4,830				
4"		1.31	189	5,000				

DIMENSIONS: P-750

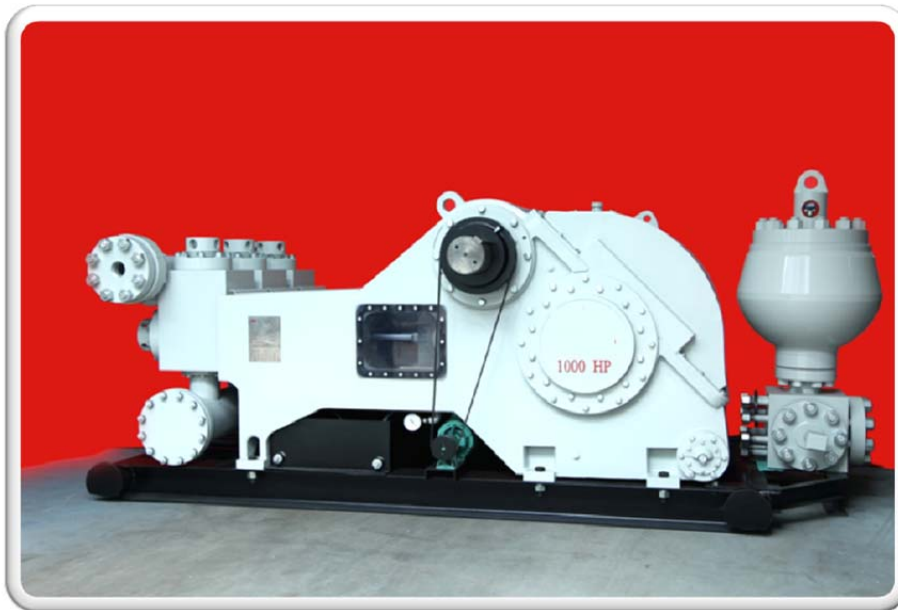




## BOSS P-1000 TRIPLEX MUD PUMP

### DESIGN FEATURES

The BOSS P-1000 series triplex mud pumps are fully interchangeable with the equivalent OEM. Pump features a rigid steel fabricated frame with a casted suction manifold with a single front inlet or fabricated two-sided inlet. Discharge connection may be made from either side of the pump. Includes strainer block with pulsation dampener, mounted on a pony skid.



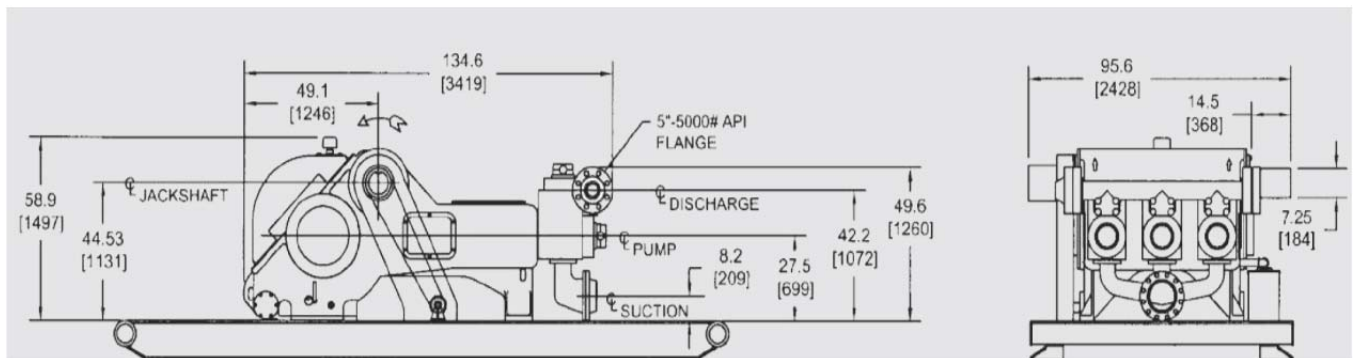
**SPECIFICATIONS: BOSS P-1000 Triplex Mud Pump**

MODEL	P - 1000
Max. Liner Size x Stroke	7" x 9"
Power Rating	1000 HP
Max. RPM	150 RPM
Gear Ratio	4.48:1
Valve Pot	API 7
Weight	24,800 LB

**PERFORMANCE: P-1000 TRIPLEX MUD PUMP (7" X 9")**

Cylinder		Displacement		Max. Pressure (psi)	Piston Load (lb)	RPM	Jack Shaft RPM	Input Horsepower (hp)
Liner Size (in)	Stroke (in)	Per Rev. (gal)	Per Minute (gal)					
7"	9"	4.50	585	2639	101550	130	582	1000
6-1/2"		3.88	504	3060				
6-1/4"		3.59	466	3310				
6"		3.30	430	3592				
5-1/2"		2.78	361	4274				
5"		2.29	298	5000				
4-1/2"		1.86	242	5000				
4"		1.47	191	5000				

**DIMENSIONS: P-1000**



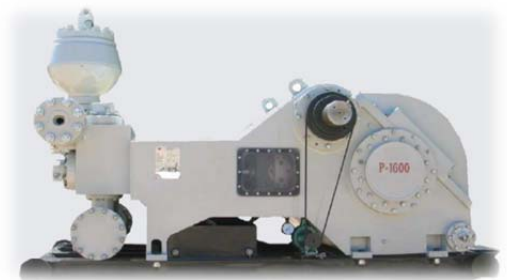
## BOSS P-1600 TRIPLEX MUD PUMP

### DESIGN FEATURES

The BOSS P-1600 series triplex mud pumps are fully interchangeable with the equivalent OEM. Pump features a rigid steel fabricated frame with a casted suction manifold with a single front inlet or fabricated two-sided inlet. Discharge connection may be made from either side of the pump. Includes strainer block with pulsation dampener, mounted on a pony skid.

### SPECIFICATIONS: BOSS P-1600 Triplex Mud Pump

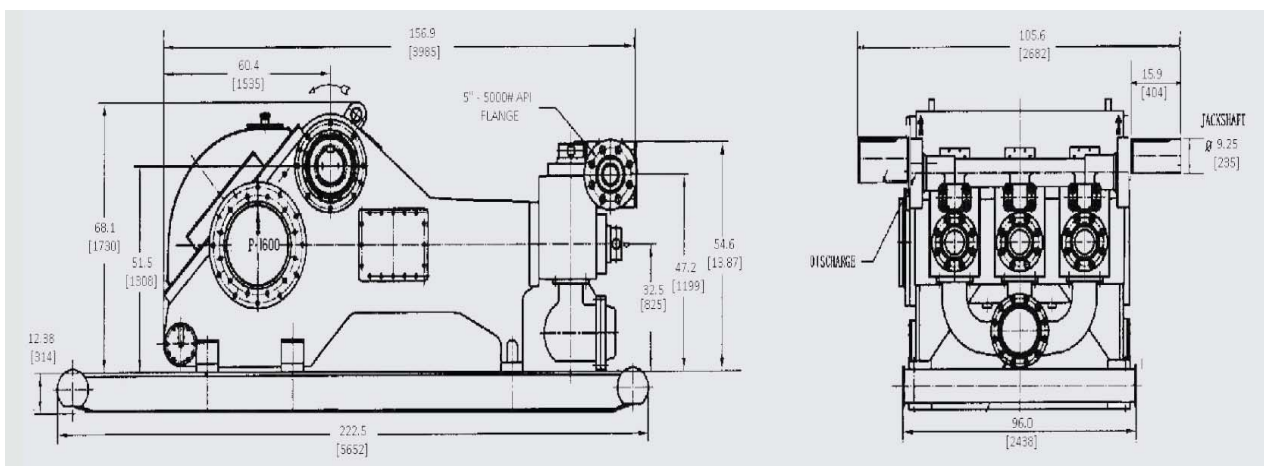
MODEL	P-1600
Max. Liner Size x Stroke	7" x 11"
Power Rating	1600 HP
Max. RPM	130 RPM
Gear Ratio	4.38:1
Valve Pot	API 7
Weight	40,500 LB



### PERFORMANCE: P-1600 TRIPLEX MUD PUMP (7" X 11")

Cylinder		Displacement		Max. Pressure (psi)	Piston Load (lb)	Pump RPM	Jack Shaft RPM	Input Horsepower (hp)
Liner Size (in)	Stroke (in)	Per Revolution (gal)	Per Minute (gal)					
7"	11"	5.50	632	3905	150,275	115	504	1600
6-1/2"		4.74	545	4529	150,275			1600
6"		4.04	465	5000	141,372			1505
5 1/2"		3.40	390	5000	118,791			1265

### DIMENSIONS: P-1600



## BOSS P-1600HL w. 7500psi “L” shape fluid end TRIPLEX MUD PUMP

### DESIGN FEATURES

The BOSS P-1600HL adopts 7500psi 2 piece “L” Shape design and fully interchangeable with SW style.



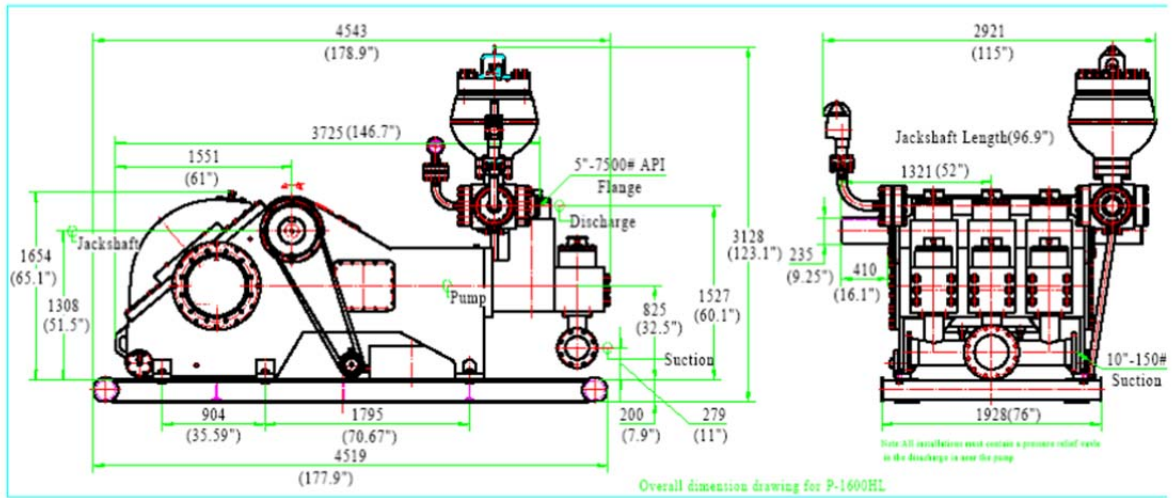
### SPECIFICATIONS:

MODEL	P – 1600 HL
Max. Liner Size x Stroke	7” x 11”
Power Rating	1600 HP
Max. RPM	130 RPM
Gear Ratio	4.38:1
Valve Pot	API 7
Max. Pressure	7,500 PSI
Weight	47,300 LB

### PERFORMANCE: P-1600HL TRIPLEX MUD PUMP (7” X 11”)

Cylinder		Displacement		Max. Pressure (psi)	Piston Load (lb)	Pump RPM	Jack Shaft RPM	Input Horsepower (hp)
Liner Size (in)	Stroke (in)	Per Revolution (gal)	Per Minute (gal)					
7”	11”	5.50	632	3905	150,275	115	504	1600
6-1/2”		4.74	545	4529	150,275			1600
6”		4.04	465	5000	141,372			1505
5 1/2”		3.40	390	5000	118,791			1265
5”		3.05	323	7500				

**DIMENSIONS: P-1600HL**



## BOSS W440/446

### DESIGN FEATURES

The BOSS-W440/446 pump is designed as a continuous duty pump that is fully interchangeable with the equivalent OEM. The pump has all standard features of BOPM P pump with a rigid steel fabricated frame mounted on a pony skid.



### SPECIFICATIONS: W 440/446 Triplex Mud Pump

MODEL	W-440	
Input Power	440 HP	324 kW
Max Stroke per Minute	320	
Stroke	6 inch	152.4 mm
Gear Ratio	4.578 : 1	
Max Operation Pressure	5000 psi	35 mPa
Max. Liner Dia.	4-1/2 inch	
Valve pot	API 4	
Piston Rod	API SA-2 (1 inch piston bore)	
Suction Manifold	150 Flange – 6 inch	
Discharge Manifold	900 Flange – 3 inch	
Key	7/8" x 5-1/8" x 6-1/4"	
Dimensions	98" x 48" x 44"	
Weight	9840 lbs	4463 kg

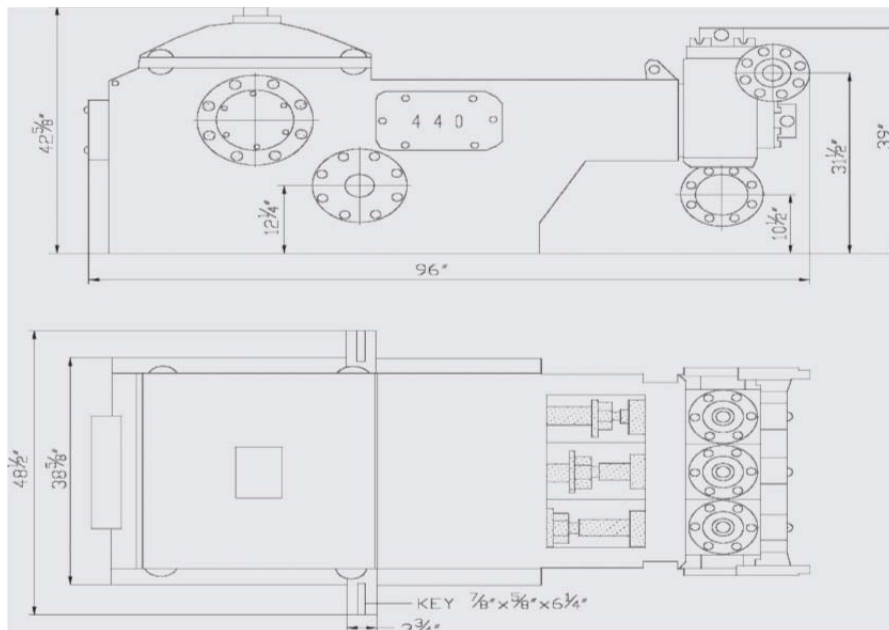


**PERFORMANCE:**

**W-440/446 Triplex Mud Pump (4-1/2" x 5")**

			Stroke per Minute	320	270	220	170	120	70
			Horsepower	440	380	320	260	200	200
Model	Cylinder Dia.	Pressure	Gal. per	Gal. per Minute					
446 & 44 0	4-1/2"	1710	1.239	397	335	273	211	149	87
	4-1/4"	1917	1.011	354	299	243	188	133	77
	4"	2169	0.979	313	264	215	167	118	69
	3-3/4"	2468	0.861	275	232	189	146	103	60
	3-1/2"	2816	0.750	240	202	165	127	90	52
	3"	3327	0.551	204	149	121	94	66	39
446 only	5"	1479	1.530	459	382	306	229	153	76
	5-1/2"	1222	1.851	555	463	370	278	185	93
	6"	1027	2.203	661	551	441	330	220	110

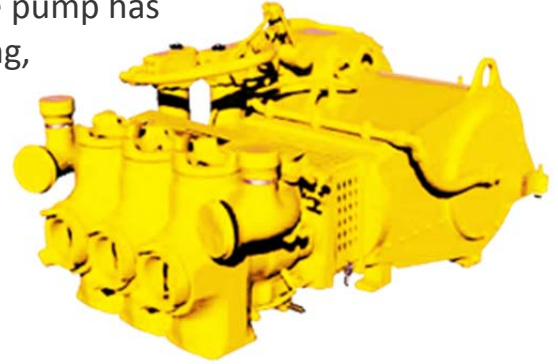
**DIMENSIONS: W-440/446**





## Boss Oilwell H-440 Well Service Pump

BOPM's H-400 Pump is a lightweight, rugged, versatile unit that has been well field-proven in the last 40 years. With continuous design improvement and upgrade, it can be configured at Max. 800 hp. The pump has performed millions of operating hours in fracturing, acidizing, cementing, and sand and water control work.



### Features:

- ✓ Fully Interchangeable with OEM HT400
- ✓ Ability to pump at pressures as high as 20,000psi
- ✓ Lightweight and compact;
- ✓ Superior performance and long life
- ✓ Three separate interchangeable fluid end

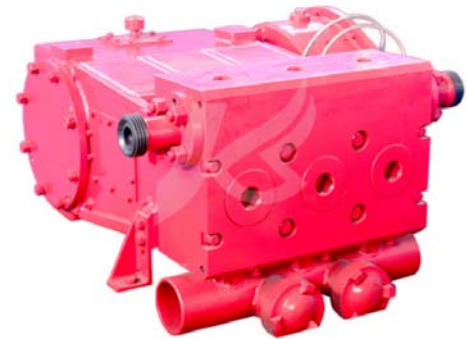
### Specification

Simulation/Cement Service					
Plunger Dia. Inches	6 in	5 in	4 ½ in	4 in	3 3/8 in.
Max. Pressure	6250	9000	11200	14000	20000
Max. Pressure @275 rpm					
GPM	810	560	454	360	255
BPM	19.3	13.3	10.8	8.6	6.1
Max. HP input	800	800	800	800	800

Drilling/Industrial Service					
Plunger Dia. Inches	6 in	5 in	4 ½ in	4 in	3 3/8 in.
Max. Pressure	3000	4500	5600	7000	10000
Max. Pressure @75 rpm					
GPM	210	153	124	98	65
BPM	5.3	3.6	2.9	2.3	1.5
Max. HP input	275	275	275	275	275

## **Boss Oilwell T-600S Well Service Pump Pump**

BOPM's T-600S offers a versatile small footprint pump that can perform a variety of duties for the well service industry. The unique design features an offset crankshaft / crosshead design which substantially reduces the load on the crosshead and crosshead guides as well as the main roller bearings supporting the crankshaft. The T-600S can be utilized in a back-to-back configuration to perform rugged acidizing, cementing, gravel packing and snubbing operations.



Applications: Cementing, Acidizing, Gravel Packing, Snubbing.

### **Features:**

- **Fully Interchangeable with OEM SPM TWS600**
- **Ability to pump at pressures as high as 20,000 psi**
- **Lightweight and compact;**
- **Superior performance and long life**

### **Specifications:**

- **Rated Max.Brake HP : 600BHP(447Kw)**
- **Maximum Rod Load : 100,000 Lbs.(43,360kg)**
- **Stroke Length: 6"(152.4mm)**
- **Gear Ratio: 4.6:1**
- **Length: 50.25"(1276mm)**
- **Width: 52.8125"(1341mm)**
- **Height : 23.875"(607mm)**
- **Weight Dry(Approx.):4,600 Lbs.(2086kg)**

PLUNGER DIAMETER	OUTPUT PER REV	DISPLACEMENT AT PUMP STROKES PER MINUTE / PINION RPM									
		50 / 230		120 / 552		200 / 920		300 / 1380		450 / 2070	
in (mm)	gal/rev (liter/rev)	gpm (lpm)	psi (kg/cm <sup>2</sup> )	gpm (lpm)	psi (kg/cm <sup>2</sup> )	gpm (lpm)	psi (kg/cm <sup>2</sup> )	gpm (lpm)	psi (kg/cm <sup>2</sup> )	gpm (lpm)	psi (kg/cm <sup>2</sup> )
2½ (63.5)	.38 (1.4)	19 (72)	20,372 (1436)	46 (174)	20,165 (1421)	76 (290)	12,099 (853)	115 (434)	8,066 (568)	172 (651)	5,377 (379)
2¾ (69.9)	.46 (1.7)	23 (88)	16,845 (1186)	56 (210)	16,665 (1174)	93 (350)	9,999 (705)	139 (526)	6,666 (470)	208 (788)	4,440 (313)
3 (76.2)	.55 (2.1)	28 (104)	14,147 (997)	66 (250)	14,003 (987)	110 (417)	8,402 (592)	165 (625)	5,610 (395)	248 (938)	3,734 (263)
3½ (88.9)	.75 (2.8)	37 (142)	10,394 (732)	90 (341)	10,288 (725)	150 (568)	6,173 (435)	225 (851)	4,115 (290)	337 (1277)	2,744 (193)
4 (101.6)	.98 (3.7)	49 (185)	7,958 (561)	118 (445)	7,877 (555)	196 (741)	4,726 (333)	294 (1112)	3,151 (222)	441 (1668)	2,100 (148)
4½ (114.3)	1.24 (4.7)	62 (235)	6,288 (443)	149 (563)	6,224 (439)	248 (938)	3,734 (263)	372 (1407)	2,489 (175)	558 (2111)	1,660 (117)
INPUT POWER: BHP (Kw)		253 (188)		600 (448)		600 (448)		600 (448)		600 (448)	

Based on 90% ME and 100% VE - Intermittent Service Only.

-----*Performance Matter, Service Count*-----

