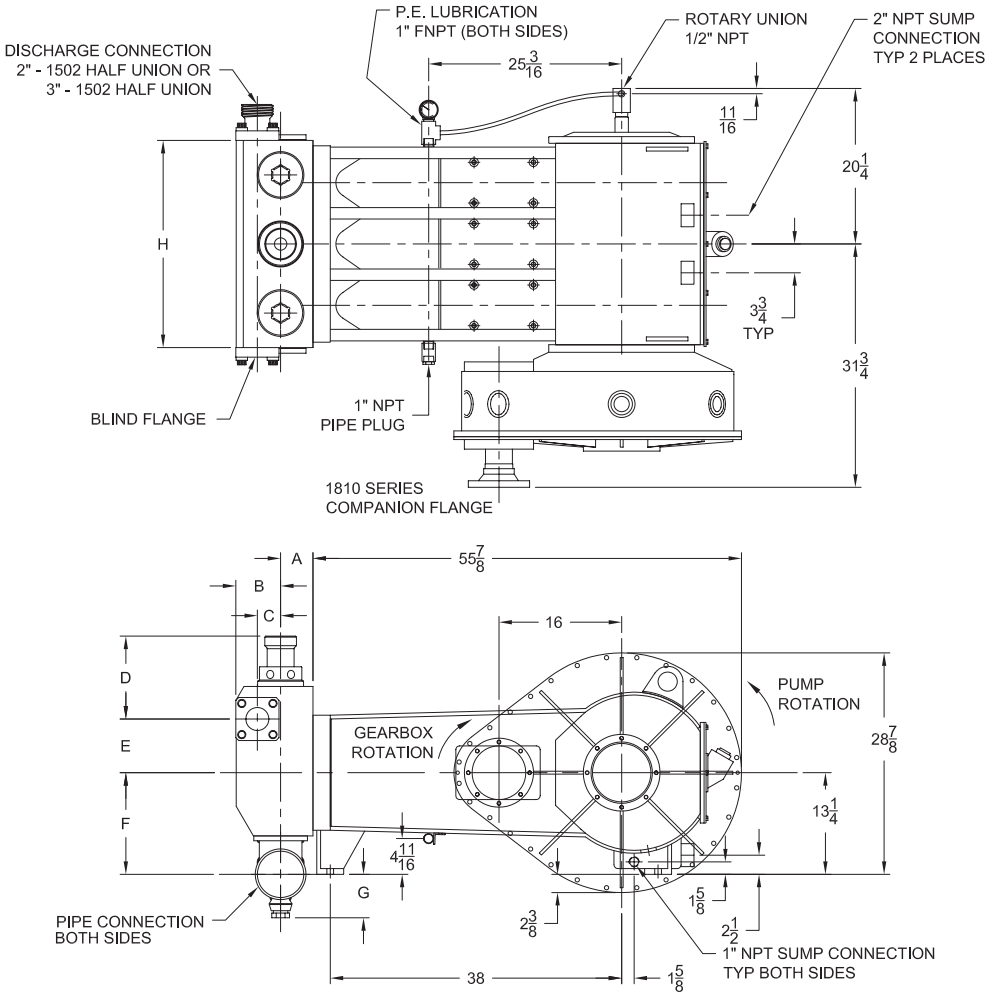
W-350 Triplex Plunger Pump



Specifications

Pump Type:
Horizontal Reciprocating Power Pump. Positive Displacement with Single-Acting Plungers

Maximum Input Horsepower:
350 Intermittent, 200 Continuous

Stroke Length: 6 inches

Maximum Rod Load: 80,000 lbs.

Approximate Weight: 4,500 lbs.

Pump Power End: Fabricated of High Strength Steel

Gears: Helical External Gearbox

Gear Ratio: 5.25:1 or 4.68:1

Rod Bearings: Shell Type Replaceable

Main Bearings: Straight Roller

Pinion Bearings: Tapered Roller

Crankshaft: One Piece Forged Alloy Steel

Connecting Rod: Cast Steel

Crosshead Guide: Cast Iron

Fluid End:
Plunger Type Monoblock Design. Machined From High Strength Alloy Steel, Heat Treated and Ultrasonic Tested - Auto

Plunger Diameter: 2 to 5 inches

Discharge Outlet: 2-inch 1502 Half Union Forged Steel Connection - Either Side

Suction Inlet: 4 or 6-inch Standard Pipe

Valves and Seats:
Hardened Steel, Replaceable Insert

Power End Lubrication:
18 GPM Required, Optional Hydraulic Lubrication System w/ Sump Available

Packing Lubrication: Optional Air Driven Air/Oil or Mechanical Oil Drip System Available

Pump Model	Flange Connections	
	Discharge Connection Sizes	Suction Connection Sizes
W-350	2 (50.8) 1502 Half Union	4 (101.6) Grooved Pipe
	3 (76.2) 1502 (Optional)	6 (152.4) Optional

Dimensions (Inches)

FE Size	A	B	C	D	E	F	G	H	J	K	L
3 1/2 - 4	4 1/8	6 1/4	3 1/8	9 9/32	6 1/8	12 3/8	5 3/4	25 5/8	18 11/16	15 1/16	11
4 1/2 - 5	4 1/2	5 7/8	2 3/4	10 13/16	7	13 1/4	5 3/4	27	18 1/4	15 13/16	11 1/4

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Performance Data

Plunger Diameter	Displacement Factors* @ 100% V. E. U.S. Gal. per Rev.	Pump Speed in Crankshaft Revolutions Per Minute (RPM) 50 Flow @ 100% V. E. U.S. Gal. per Min.	50 Max Press. @ Flow	100 Flow @ 100% V. E. U.S. Gal. per Min.	100 Max Press. @ Flow	200 Flow @ 100% V. E. U.S. Gal. per Min.	200 Max Press. @ Flow	300 Flow @ 100% V. E. U.S. Gal. per Min.	300 Max Press. @ Flow	450 Flow @ 100% V. E. U.S. Gal. per Min.	450 Max Press. @ Flow
Inches	GPR	GPM	PSIG	GPM	PSIG	GPM	PSIG	GPM	PSIG	GPM	PSIG
5.00	1.530	77	4076	153	3333	306	1666	459	1111	689	741
4.50	1.239	62	5033	124	4116	248	2058	372	1372	558	915
4.00	0.979	49	6369	98	5209	196	2604	294	1736	441	1157
3.50	0.750	38	8314	75	6799	150	3399	225	2266	338	1500
3.00	0.551	28	11317	55	9254	110	4627	165	3085	248	2050
2.75	0.463	23	13468	46	11013	93	5507	139	3671	208	2450
2.50	0.382	19	16323	38	13349	76	6674	115	4450	172	2960
2.25	0.310	16	20115	31	16449	62	8224	93	5483	140	4600
2.00	0.245	12	25451	25	20813	49	10406	74	6938	110	4625
Input Power	Brake ** Horsepower	214		350		350		350		350	
Pinion RPM @ 5.25:1 Gear Ratio		263		525		1050		1575		2363	
Pinion RPM @ 4.68:1 Gear Ratio		234		468		936		1404		2106	

*V.E. = Volumetric Efficiency, ** BHP (Brake Horsepower) is based on 85% Mechanical Efficiency

Authorized Distributor:

NATIONAL OILWELL
www.natoil.com / customer.service@natoil.com
10000 Richmond, Houston, Texas 77042
(713)346-7500 (phone) • (713)346-7366 (fax)

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