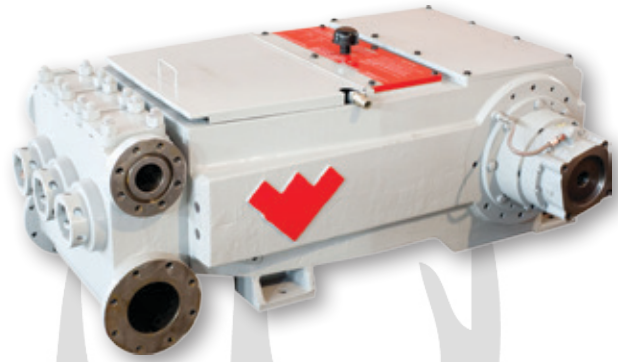




WDD340 Triplex HDD Pump

Pump Specifications

Rated (HP, kW)	340	254
Stroke length (in., mm)	5	127
Maximum discharge pressure (PSI, Bar)	2,000	138
Rated rod load (lb, kg)	20,750	9,412
Maximum speed, RPM	350	
Minimum speed, RPM	25	
Crankshaft dimensions (in., mm)		
Diameter	4.875	124
Length (long)	11.69	297
Length (short)	5.62	143
Keyway, width x depth (in., mm)	1.25 x .62	32 x 16
Oil capacity (gal, l)		
Pump	8	30.3
Bolt on reducer (varies with ratio)	3.5 to 6.5	13 to 25
Planetary gear reducer	Integral with pump	
Weight (lb, kg); estimates only		
Pump	4,500	2,041
Bolt on reducer	1,100	499
Planetary gear reducer	80	37
Mechanical efficiency	90%	



Planetary gear reducer shown is optional.

Standard Equipment

- All fluid cylinders are made from cast ductile iron for increased durability and extended life.
- Pistons are easily removed through the front of the cylinder and do not require removal of the fluid cylinder or liners.
- Chrome iron liners.
- Premium oilfield style pistons.
- Fully supported crankshaft with double taper main and cylindrical center roller bearings for long life and durability.
- Built-in power end lube system provides proper lubrication even at low speeds and non-level operating locations.
- Premium extension rod oil seal with four seals to keep power end oil clean.
- Abrasion resistant valves.

Flange Connections

Discharge Connection Sizes (in., mm)	Suction Connection Sizes (in., mm)
3 (76.2) API 2,000 RJ	6 (152.4) ANSI 150 FF

Technical Support

pumps@weatherford.com
1-281-252-7867

Optional Accessories

- Weatherford bolt on gear reducers (ratios)
 - 2.27:1
 - 2.89:1
 - 3.25:1
 - 3.36:1
 - 3.69:1
 - 4.38:1
 - 4.84:1
 - 5.56:1
- Planetary gear reducer with SAE flange
 - 7.07:1



WDD340 Triplex HDD Pump Intermittent Duty Performance Ratings

Piston Size (in.)	Displacement (Gal/Rev)	Rated Pressure (PSI)	Rated Capacity											
			25 RPM		100 RPM		200 RPM		250 RPM		300 RPM		350 RPM	
			GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD
3	0.4590	2,000	11.5	393	45.9	1574	91.8	3147	114.7	3934	137.7	4721	160.6	5508
3.5	0.6247	2,000	15.6	535	62.5	2142	124.9	4284	156.2	5355	187.4	6426	218.7	7497
4	0.8160	1,650	20.4	699	81.6	2798	163.2	5595	204.0	6994	244.8	8393	285.6	9792
4.5	1.0327	1,300	25.8	885	103.3	3541	206.5	7082	258.2	8852	309.8	10623	361.5	12393

Piston Size (in.)	Displacement (L/Rev)	Rated Pressure (Bar)	Rated Capacity											
			25 RPM		100 RPM		200 RPM		250 RPM		300 RPM		350 RPM	
			LPM	M³Hr	LPM	M³Hr	LPM	M³Hr	LPM	M³Hr	LPM	M³Hr	LPM	M³Hr
3	1.7373	138	43.4	2.6	173.7	10.4	347.5	20.8	434.3	26.1	521.2	31.3	608.1	36.5
3.5	2.3647	138	59.1	3.5	236.5	14.2	472.9	28.4	591.2	35.5	709.4	42.6	827.6	49.7
4	3.0886	114	77.2	4.6	308.9	18.5	617.7	37.1	772.1	46.3	926.6	55.6	1,081.0	64.9
4.5	3.9089	90	97.7	5.9	390.9	23.5	781.8	46.9	977.2	58.6	1,172.7	70.4	1,368.1	82.1

General Notes

- Capacities shown are based on 100 percent volumetric efficiency. Actual capacities are lower, based on discharge pressure and speed, typically 95 percent.
- Operating power required by the pump is calculated by the formula:
 $HP = (psi \times gpm) / 1,543$, where psi is the actual operating pressure in psi units and gpm is the actual pumping capacity in gpm.
- Maximum operating speeds are reduced for increased expendable life in HDD service.
- Standard piston sizes are shown; however, other sizes may be available on request. Consult Weatherford for performance and pressure ratings.
- Various power inlet options are available, including hydraulic adaption's, bolt on gear reducer, and planetary gear reducer with SAE flange.

