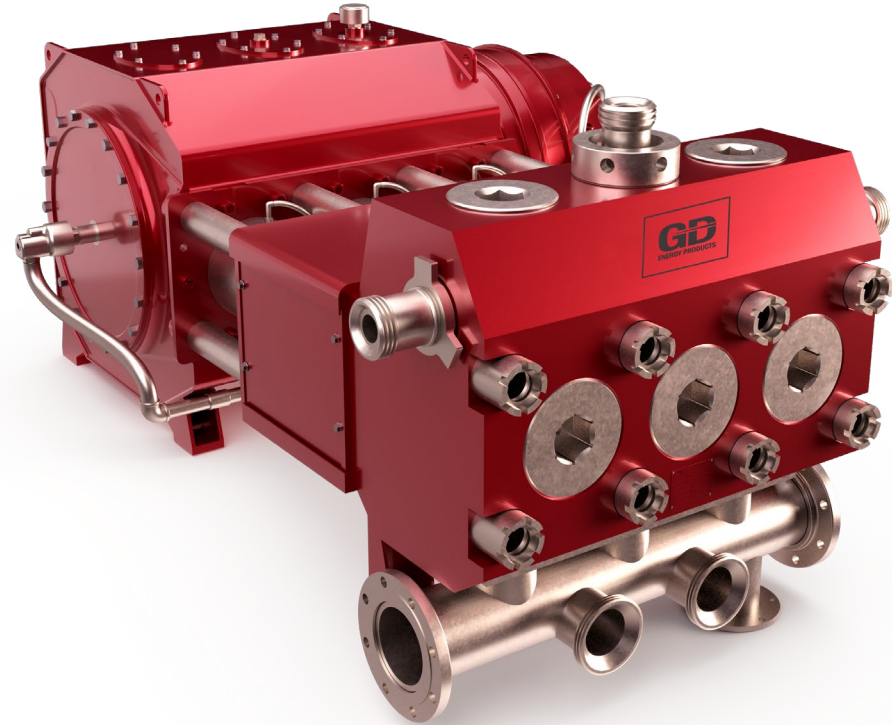


# PUMPS



## GD 1600 CONTINUOUS DUTY PUMP

The GD 1600 is designed with an exceptional high rod load for 830HP continuous duty service. The light weight robust design and the industry's best fluid end technology, make the GD 1600 the preferred pump for oil & gas, mining, industrial and other demanding applications.



### SPECIFICATIONS

Maximum Input	830 BHP
Maximum RPM	200 RPM
No. of Plungers	3
Stroke Length	8 in. (203 mm)
Plunger Load	100,000 lbs. (444,822 N)
Pump Weight	8,550 lbs (3,878 kg)
Gear Ratio	9.00:1

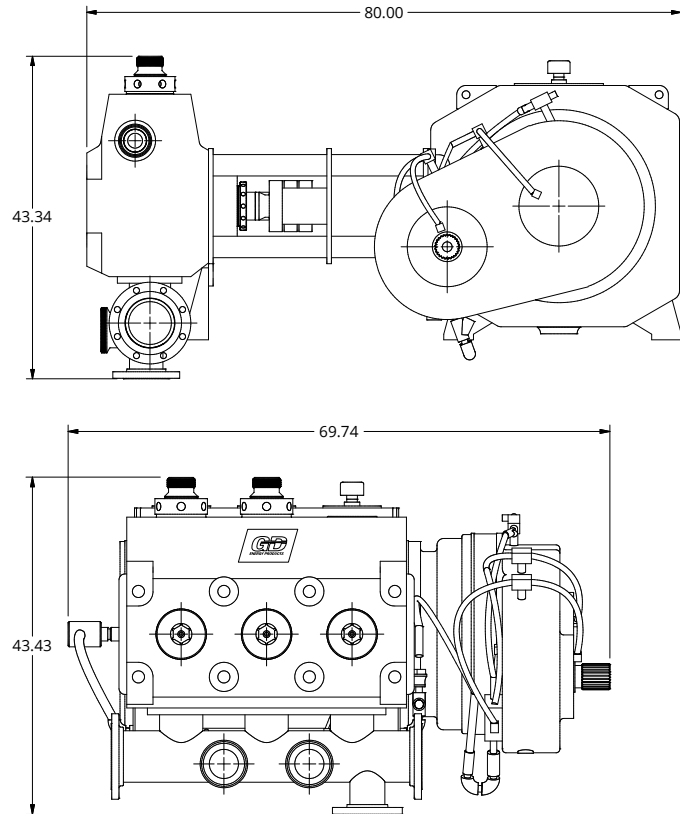
PLUNGER DIAMETER	DISPLACEMENT PER REVOLUTION		DISPLACEMENT AND PRESSURE AT PUMP CRANK RPM - CONTINUOUS APPLICATION																									
			50				75				100				125				150				200					
in.	mm.	Gal/Rev.	Liter/Rev.	GPM	LPM	PSI	KG/Sq. CM	GPM	LPM	PSI	KG/Sq. CM	GPM	LPM	PSI	KG/Sq. CM	GPM	LPM	PSI	KG/Sq. CM	GPM	LPM	PSI	KG/Sq. CM	GPM	LPM	PSI	KG/Sq. CM	
Forged Carbon and Stainless Steel Autofrettaged Fluid Ends																												
3.5	89	1.00	3.78	50	189	10340	727	75	284	10288	723	100	378	10417	732	125	473	10247	720	150	568	8539	600	200	757	6404	450	
3.75	95	1.15	4.34	57	217	9007	633	86	326	8962	630	115	434	9074	638	143	543	8926	628	172	651	7439	523	229	869	5579	392	
4.5	114	1.65	6.25	83	313	6255	440	124	469	6224	438	165	625	6301	443	207	782	6199	436	248	938	5166	363	330	1251	3874	272	
5	127	2.04	7.72	102	386	5066	356	153	579	5041	354	204	772	5104	359	255	965	5021	353	306	1158	4184	294	408	1544	3138	221	
5.5	140	2.47	9.34	123	467	4187	294	185	701	4166	293	247	934	4218	297	309	1168	4150	292	370	1401	3458	243	494	1869	2594	182	
6	152	2.94	11.12	147	556	3518	247	220	834	3501	246	294	1112	3545	249	367	1390	3487	245	441	1668	2906	204	588	2224	2179	153	
6.5	165	3.45	13.05	172	652	2998	211	259	979	2983	210	345	1305	3020	212	431	1631	2971	209	517	1957	2476	174	690	2610	1857	131	
INPUT POWER		BHP kW		335 250				500 373				675 503				830 619				830 619				830 619				
STROKE			in. 8	mm. 203	CYLINDERS:			3	ROD LOAD:			lbs. 100,000	kg. 45,360	GEAR BOX RATIO:		9.00:1	Note: Alternate Material Fluid Cylinders May Not Perform at These Pressure Levels											

\*Contact GD Energy Products engineering for application review and approval

# GD 1600

## CONTINUOUS DUTY PUMP

### SPECIFICATIONS



NOTE: Installation drawing shown with Next Generation fluid end geometry. Additional drawings are available from engineering per application.

### STANDARD FEATURES

- Next Generation fluid-end geometry allows back-to-back fitment and extends life; includes the patented Falcon Retainer System and interchangeable covers
- Upgraded internal components and seal housing prevent contamination
- Featuring GD Energy Products' industry leading Redline packing, valves, seats, and plungers for extended maintenance intervals
- Fluid ends available in specially formulated Stainless Steel, or high grade Carbon Steel
- Thunder coated bearings extend power end life
- Fabricated power frame weldment with integrated crankcase and crosshead slides
- Parallel shaft gearbox with left or right side mounting positions
- Multiple gearbox input pinion positions
- Forged, heat treated alloy steel crankshaft
- Cross drilled crankshaft and connecting rod for pressurized oil flow to critical components
- Replaceable crosshead slides
- Forged SAE 4330 autofrettaged fluid end for extended field service
- Through stud fluid end design for maintenance and removal ease
- Replaceable stuffing boxes allowing convenient plunger size conversion
- Suction manifold with victaulic connections

### OPTIONAL FEATURES

- DNV, ABS, PED or other third party certifications
- Spined flange for gear reducer
- Various plunger packing styles
- Additional center gauge connection
- Hydraulic torque wrench for fluid end removal
- Multiple suction manifold configurations including valve lifter options to drain chambers