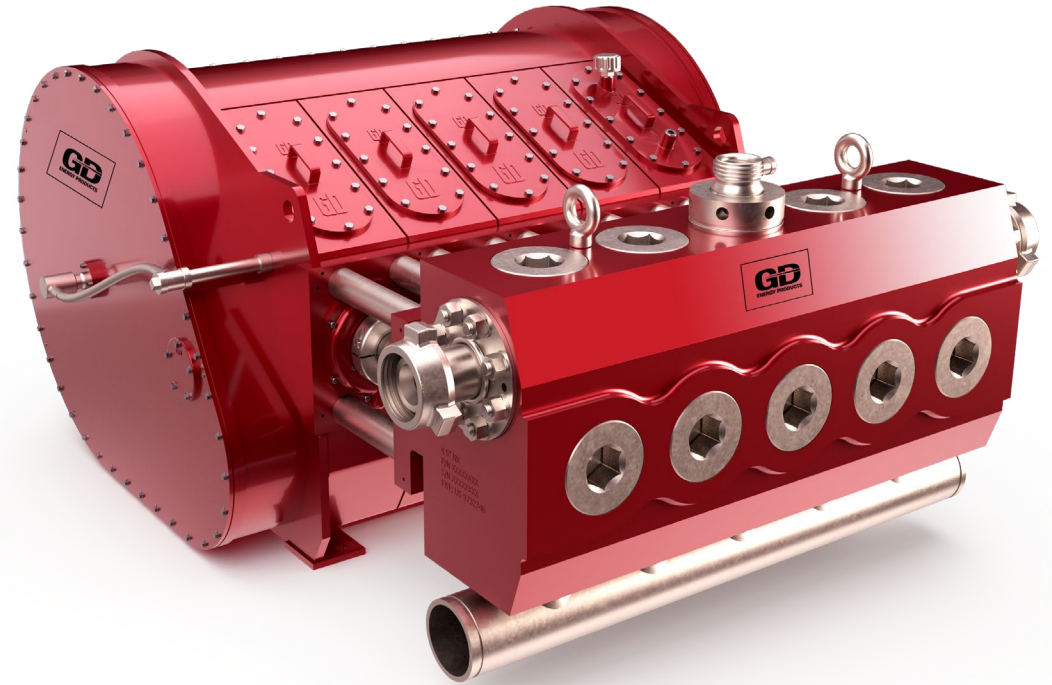


# PUMPS



## GD 2500Q HDF CONTINUOUS DUTY PUMP

The GD 2500Q Heavy Duty Frame (HDF) is designed with an exceptional high rod for 1250BHP continuous duty service. Robust design and the industry's best fluid end technology, make the GD 2500Q HDF the preferred pump for oil & gas, mining, industrial and other demanding applications.



### SPECIFICATIONS

Maximum Input	1250 BHP
Maximum RPM	200 RPM
No. of Plungers	5
Stroke Length	8 in. (203 mm)
Plunger Load	98,175 lbs. (436,704 N)
Pump Weight	17,742 lbs (8,048 kg)
Gear Ratio	6.353:1

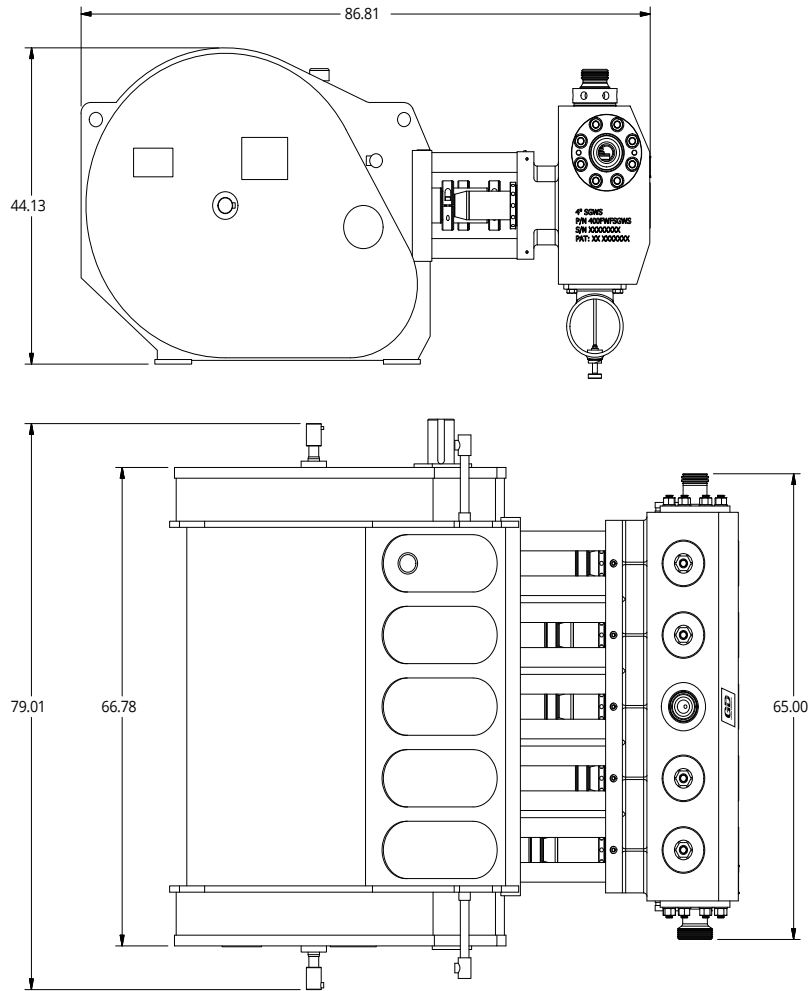
PLUNGER DIAMETER	DISPLACEMENT PER REVOLUTION			DISPLACEMENT AND PRESSURE AT PUMP CRANK RPM - CONTINUOUS APPLICATION																							
				50				75				100				125				150				200			
in.	mm.	Gal/Rev.	Liter/Rev.	GPM	LPM	PSI	KG/Sq. CM	GPM	LPM	PSI	KG/Sq. CM	GPM	LPM	PSI	KG/Sq. CM	GPM	LPM	PSI	KG/Sq. CM	GPM	LPM	PSI	KG/Sq. CM	GPM	LPM	PSI	KG/Sq. CM
Forged Carbon and Stainless Steel Autofrettaged Fluid Ends																											
3.5	89	1.67	6.31	83	315	10185	716	125	473	10185	716	167	631	10185	716	208	788	9259	651	250	946	7716	542	333	1261	5787	407
3.75	95	1.91	7.24	96	362	8872	624	143	543	8872	624	191	724	8872	624	239	905	8066	567	287	1086	6722	473	382	1448	5041	354
4	102	2.18	8.24	109	412	7798	548	163	618	7798	548	218	824	7798	548	272	1030	7089	498	326	1235	5908	415	435	1647	4431	311
4.5	114	2.75	10.42	138	521	6161	433	207	782	6161	433	275	1042	6161	433	344	1303	5601	394	413	1564	4668	328	551	2085	3501	246
5	127	3.40	12.87	170	643	4991	351	255	965	4991	351	340	1287	4991	351	425	1609	4537	319	510	1930	3781	266	680	2574	2836	199
5.5	140	4.11	15.57	206	779	4125	290	309	1168	4125	290	411	1557	4125	290	514	1946	3750	264	617	2336	3125	220	823	3114	2344	165
6	152	4.90	18.53	245	927	3466	244	367	1390	3466	244	490	1853	3466	244	612	2316	3151	221	734	2780	2626	185	979	3706	1969	138
6.5	165	5.75	21.75	287	1087	2953	208	431	1631	2953	208	575	2175	2953	208	718	2719	2685	189	862	3262	2237	157	1149	4350	1678	118
6.75	171	6.20	23.45	310	1173	2738	193	465	1759	2738	193	620	2345	2738	193	775	2932	2489	175	929	3518	2075	146	1239	4691	1556	109
INPUT POWER		BHP kW		550 410				825 615				1100 820				1250 932				1250 932				1250 932			
STROKE				in. 8	mm. 203	CYLINDERS:		5	ROD LOAD:		lbs. 98,175	kg. 44,532		GEAR BOX RATIO:		6.353:1		Note: Alternate Material Fluid Cylinders May Not Perform at These Pressure Levels									

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

# GD 2500Q HDF

## 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