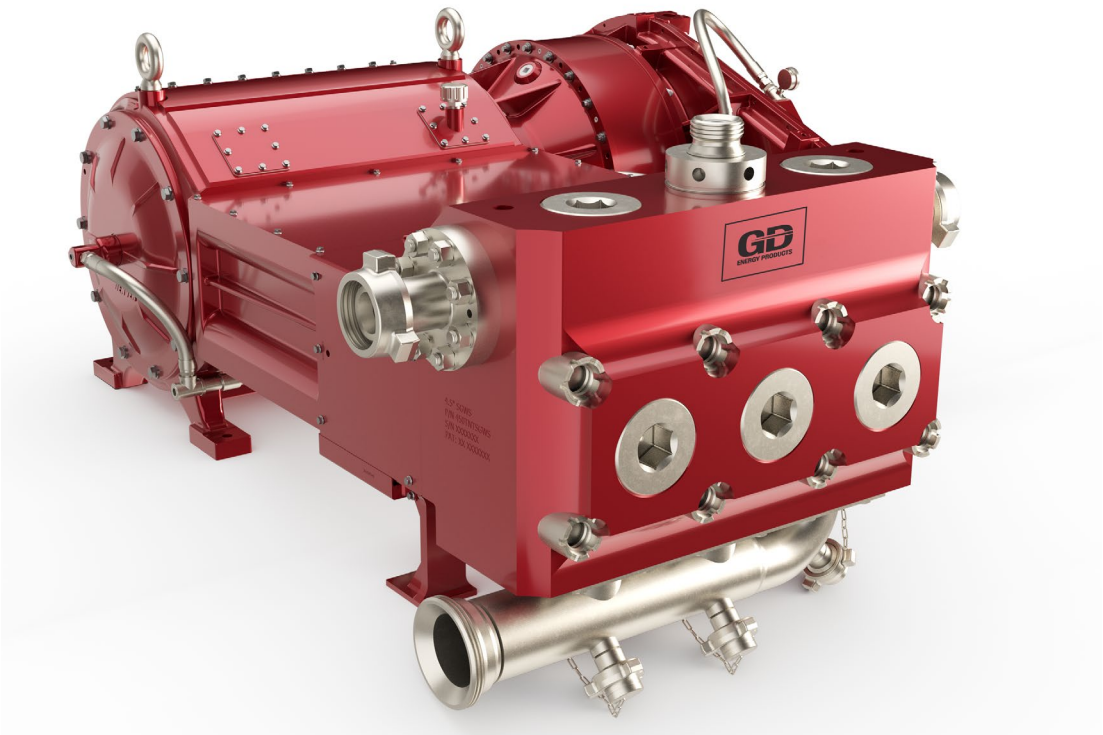
PUMPS

THUNDER TRIPLEX

CONTINUOUS DUTY PUMP

The Thunder Triplex is designed with an exceptional rod load for 1275BHP continuous duty service. The light weight robust design and the industry's best fluid end technology, make the Thunder Triplex the preferred pump for oil & gas, mining, industrial and other demanding applications.



SPECIFICATIONS

Maximum Input	1275 BHP
Maximum RPM	180 RPM
No. of Plungers	3
Stroke Length	11 in. (279 mm)
Plunger Load	137,500 lbs. (611,630 N)
Pump Weight	16,430 lbs (7,453 kg)
Gear Ratio	7.842:1

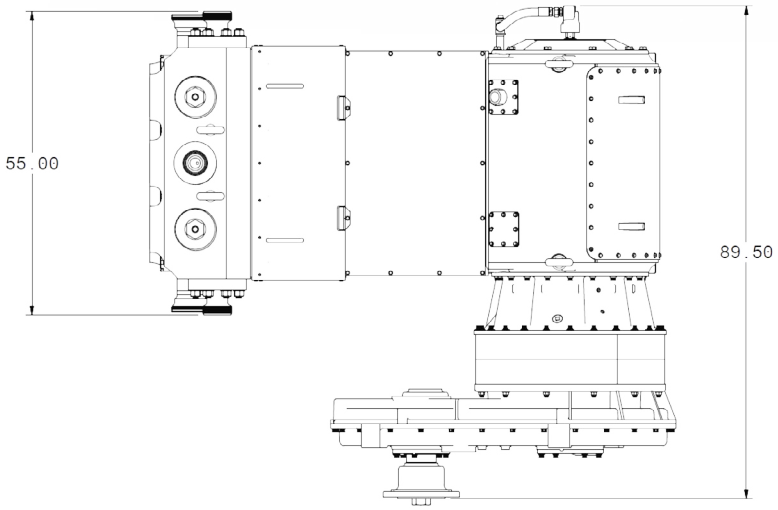
PLUNGER DIAMETER		DISPLACEMENT PER REVOLUTION		DISPLACEMENT AND PRESSURE AT PUMP CRANK RPM - CONTINUOUS APPLICATION																									
				50				75				100				125				150				180					
in.	mm.	Gal/ Rev.	Liter/ Rev.	GPM	LPM	PSI	KG/Sq. CM	GPM	LPM	PSI	KG/Sq. CM	GPM	LPM	PSI	KG/Sq. CM	GPM	LPM	PSI	KG/Sq. CM	GPM	LPM	PSI	KG/Sq. CM	GPM	LPM	PSI	KG/Sq. CM		
Forged Carbon and Stainless Steel Autofrettaged Fluid Ends																													
3.75	95	1.58	5.97	79	299	12319	866	118	448	12384	871	158	597	12465	876	197	747	9972	701	237	896	8310	584	284	1075	6925	487		
4	102	1.80	6.79	90	340	10827	761	135	510	10884	765	180	679	10956	770	224	849	8765	616	269	1019	7304	513	323	1223	6087	428		
4.5	114	2.27	8.60	114	430	8555	601	170	645	8600	605	227	860	8657	609	284	1075	6925	487	341	1290	5771	406	409	1548	4809	338		
5	127	2.80	10.62	140	531	6929	487	210	796	6966	490	280	1062	7012	493	351	1327	5609	394	421	1593	4675	329	505	1911	3895	274		
5.5	140	3.39	12.85	170	642	5727	403	255	963	5757	405	339	1285	5795	407	424	1606	4636	326	509	1927	3863	272	611	2312	3219	226		
6	152	4.04	15.29	202	764	4812	338	303	1147	4838	340	404	1529	4869	342	505	1911	3895	274	606	2293	3246	228	727	2752	2705	190		
6.5	165	4.74	17.94	237	897	4100	288	356	1346	4122	290	474	1794	4149	292	593	2243	3319	233	711	2691	2766	194	853	3230	2305	162		
6.75	171	5.11	19.35	256	967	3802	267	383	1451	3822	269	511	1935	3847	270	639	2419	3078	216	767	2902	2565	180	920	3483	2137	150		
7.25	184	5.90	22.32	295	1116	3296	232	442	1674	3313	233	590	2232	3335	234	737	2790	2668	188	885	3348	2223	156	1062	4018	1853	130		
INPUT POWER			BHP kW	630 470				950 708				1275 951				1275 951				1275 951				1275 951					

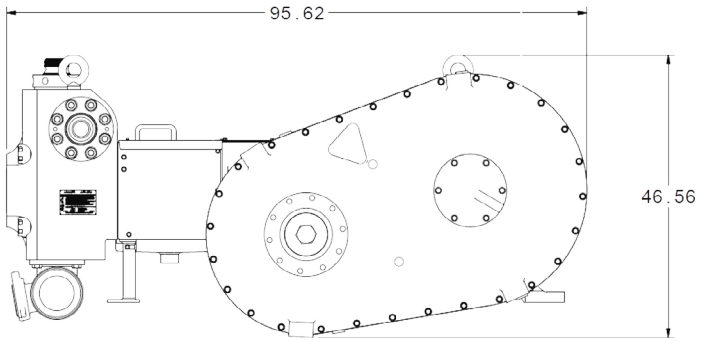
STROKE			CYLINDERS:		ROD LOAD:			GEAR BOX RATIO:		Note: Alternate Material Fluid Cylinders May Not Perform at These Pressure Levels
	in.	mm.		3		lbs.	kg.		7.842:1	
	11	279				137,500	62,370			

*Contact GD Energy Products engineering for application review and approval

THUNDER TRIPLEX
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