

# PUMPS

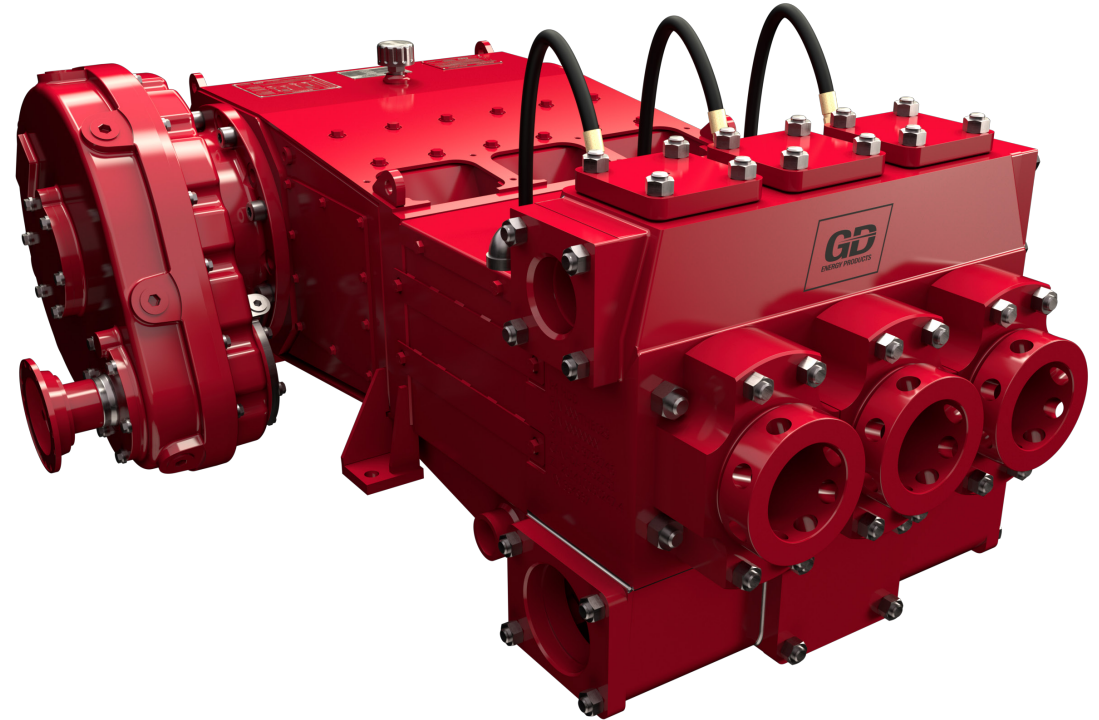


## GD 500HDD HORIZONTAL DIRECTIONAL DRILLING PUMP

Boasting a high rod load within a compact profile, GD 500HDD is engineered to serve a variety of HDD applications. This lightweight pump maximizes flow rate in a compact design and its engineered power end frame with coated crankshaft bearings allows customers to achieve higher pressures, up to 1,200 PSI at 600 GPM.

### SPECIFICATIONS

Output Flow	600 GPM
Maximum Pressure	2,698 PSI
Maximum Crankshaft Speed	275 RPM
Max Input Power	500 BHP (358 KW)
Gear Ratio	4.6:1
Number of Pistons	3
Stroke Length	6" (152.4mm)
Weight without GB	5,209 lbs.
Weight with GB	6,200 lbs.
Brake Horsepower (BHP)	500
Rod Load	53,000 lb (236kN)
Dimensions without GB	71.83"L x 34.00"W x 30.28"H
Dimensions with GB	71.83"L x 54.50"W x 30.28"H



PISTON DIAMETER		DISPLACEMENT PER REVOLUTION		DISPLACEMENT AND PRESSURE AT PUMP CRANK RPM - CONTINUOUS APPLICATION																			
				50				100				150				200				275			
in.	mm.	Gal/Rev.	Liter/Rev.	GPM	LPM	PSI	bar	GPM	LPM	PSI	bar	GPM	LPM	PSI	bar	GPM	LPM	PSI	bar	GPM	LPM	PSI	bar
6.0	152	2.20	8.34	110	417	1874	129	220	834	1874	129	330	1251	1874	129	441	1668	1680	116	605.8	2293.1	1222	84.00
5.5	140	1.85	7.01	93	350	2230	154	185	701	2230	154	278	1051	2230	154	370	1402	2000	138	509.1	1927.2	1454	100.20
5.0	127	1.53	5.79	76	290	2698	186	153	579	2698	186	229	869	2698	186	306	1158	2420	167	420.7	1592.7	1760	121.30
				BHP				134				268				401				480			
				KW				100				200				299				358			

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

