PUMPS _____

ENERGY PRODUCTS

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



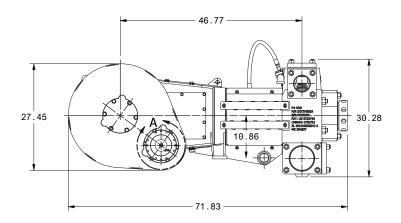
PIS	TON	DISPLACEMENT			DISPLACEMENT AND PRESSURE AT PUMP CRANK RPM - CONTINOUS APPLICATION																		
DIAMETER		PER REVOLUTION		50				100				150				200				275			
in.	mm.	Gal/ Rev.	Liter/ Rev.	GPM	LPM	PSI	bar	GPM	LPM	PSI	bar	GPM	LPM	PSI	bar	GPM	LPM	PSI	bar	GPM	LPM	PSI	bar
6.0	152	2.20	8.34	110	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 KW			134 100				268 200			401 299					48 35			480 358					

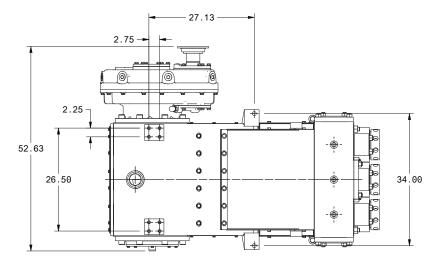
^{*}Contact GD Energy Products engineering for application review and approval

GD 500HDD

HORIZONTAL DIRECTIONAL DRILLING PUMP

SPECIFICATIONS





STANDARD FEATURES

- · Featuring GDEP's industry leading Redline valves, seats, pistons and liners for extended maintenance intervals
- Alternative geometry liners allow higher flow rates in a smaller package
- Full cast ductile iron frame fluid end offers superior strength
- Large valve cover access panels for easy valve change outs
- Assembled with components 100% made in the USA, guaranteeing build quality and reliability in the field
- Upgraded internal components and seal housing to prevent contamination

- · Coated crankshaft bearings to extend power end life
- · Next generation fluid end technology showcasing nodular iron construction and innovative geometry to minimize stress
- · Left or right side suction and discharge connections
- Pressure lubricated power end (Lube pump not supplied)
- Clamp style connections between piston rod and crosshead extensions
- Rod wash spray bar and baffles
- · Removable valve covers for ease of service