

DYNASET HDF Hydraulic Drilling Fluid Pumps – The Best Power-to-Size Ratio

The standard models of hydraulic high pressure drilling fluid pump provide output power up to 85kW. The compact size and versatile use characterize these patented pieces of hydraulic equipment. Standard models produce fluid pressure [max] from 40 bar up to 200 bar which equals pressure [max] from 580 psi up to 2900 psi, and they produce fluid flow [max] from 23 lpm up to 250 lpm which equals fluid flow [max] from 6.1 gpm up to 66.0 gpm.

Power-to-size ratio is the best of the market thanks to the pump's unique structure allowing it to operate without any rotating parts. It makes the pump extremely small, reliable, and cost-effective in use. Heavy-duty pistons with abrasion-resistant hardening, and top-class design allow it to run for thousands of hours. The unique pump design makes it a low maintenance product since it is self-lubricated by hydraulic oil. Various types of drilling fluids can be used due to high abrasion and chemical resistance of the pump. It works with bentonite and polymer mixes, foaming agents etc. The pump tolerates solid content up to 25%.

Powerful DYNASET high-pressure pumps can be used in tunneling, mining, down-the-hole (DTH) drilling as well as in all drilling applications. The drilling fluid pumps are used in soil flushing, drill bit jetting, casing lubrication, bore stabilization and pressurizing. Numerous large-scale heavy equipment manufacturers are using Dynaset equipment in the field of geo drilling.

Standard DYNASET HDF drilling fluid pump models (with metric units):

- DYNASET HDF 40 [pressure 40 bar, flow 40 l/min, and power 2.6 kW]
- DYNASET HDF 180 [pressure 180 bar, flow 23 l/min, and power 7 kW]
- DYNASET HDF 200 [pressure 200 bar, flow 40 l/min, and power 13 kW]
- DYNASET HDF 160 [pressure 160 bar, flow 70 l/min, and power 19 kW]
- DYNASET HDF 90 [pressure 90 bar, flow 150 l/min, and power 23 kW]
- DYNASET HDF 250 [pressure 200 bar, flow 250 l/min, and power 85 kW]

Standard DYNASET HDF drilling fluid pump models (with U.S customary units):

- DYNASET HDF 40 [pressure 580 psi, flow 10.6 gpm, and power 2.6 kW]
- DYNASET HDF 180 [pressure 2600 psi, flow 23 gpm, and power 7 kW]
- DYNASET HDF 200 [pressure 2900 psi, flow 10.6 gpm, and power 13 kW]
- DYNASET HDF 160 [pressure 2300 psi, flow 18.5 gpm, and power 19 kW]
- DYNASET HDF 90 [pressure 1300 psi, flow 39.6 gpm, and power 23 kW]
- DYNASET HDF 250 [pressure 2900 psi, flow 66.0 gpm, and power 85 kW]