

Our vision is to design and produce high-end equipment for the trenchless technology industry. Providing the customer high production rates and a best transport solution at a low cost of ownership.

We design each individual installation as part of the integral production process that typifies drilling, resulting in less operating actions thus minimizing the need for human labour. Choosing only premium wear-resistant components to reduce the need for maintenance resulting in lower costs. All this, combined with a keen transport solution, provides you with an economical tool the edge over the competition, and this at any job and required capacity.



### **NORMAG HIGH-PRESSURE PUMP - NHP 250E**

The Normag High Pressure pump package is a semi-standalone unit. The installed Trinity LCC TP250 triplex pump is designed to the latest field insights and has an optimal power to weight ratio. All Trinity pumps offer a standard 80 bar maximum work pressure with the largest possible liner size at a maximum flow rate. The unique pump electric drive is fully water cooled, including the gearbox. The drives' torque-full PM electric motor is light in weight and the system has an impressive working efficiency thus saving bottom line costs. The SS Liner wash system is equipped with a small industrial centrifugal pump.

The package is sized to a standard compact Normag module. This module can be transported in every Normag container. The pump can be placed on top of a Normag Storage tank or mix package – 2 pcs that fits inside a 20ft container / storage tank, so a minimum footprint is needed. The Package needs a minimum of maintenance due to the absence of a diesel-hydraulic drive. It is simply plug and play! Fully in-house manufactured!

# **NORMAG<sup>®</sup>**

# NORMAG HIGH PRESSURE PUMP NHP 250E

## Features NHP 250E

- Requires no dedicated operating personnel
- Wired or wireless remote control with 7" touch screen -full data read
- Suction line / pre-pressure alarm
- Active & passive pulsation damping on pressure and suction line
- 2" Reset relief valve
- Easy access for maintenance and cleaning – IP68 impact-proof fluorescent lights



## Technical Data

Rated flow	up to 2.500 l/min (660 gal/min)
Rated pressure	up to 80 bar (1.740 PSI)
Mud pump	Trinity triplex TP-250 HDD
Stoke and Liner size	5.5" stroke - maximum Liner Size 7"
Standard performance	2500 l/min at 50 Bar, 7" Liners installed - 240 strokes
Drive type	Electrical - full water-cooled
Liner wash pump	380V centrifugal pump
Feed Line connections	Suction: Perrot/Kardan 6", Pressure: FIG 200 Hammer Union 3"
Power supply connection	VEAM PowerLocks 400 Amp
Voltage	400V AC 50 Hz
Drive system manufacturer	Visedo AY
Voltage drive system	500V AC/DC
Max. output	250 kW (335 HP)
Construction type	Normag Module (2 pcs fit into a 20 ft container / storage tank)
Transport dimensions	2.73 x 1.74 x 2.23 m
Transport Weight	6.100 kg
Finish	Shot blast to bare metal, Epoxy/PU paint system coating 280 µm

## Options

Wireless remote control
Automatic shut-off valve in suction line
LED over fluorescent light
Customer specific flow and pressure combinations possible
Aluminium 25 meter (75') feed cable-set with VEAM 400 Amp Powerlock Connectors
Executed as 10 ft container
Emergency spare parts kit / consumables kit

Specifications subject to change without notice