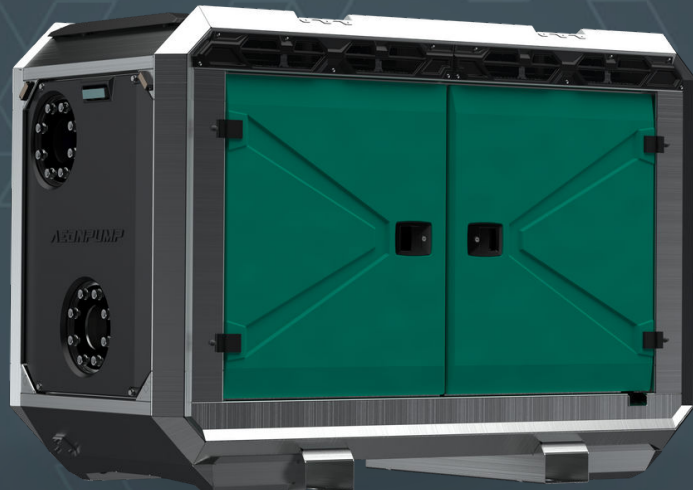


AEDONPUMP

RAPTOR 6D BENTONITE



**DIESEL DRIVEN
BENTONITE PUMP**

V1.25

FEATURES AND COMPETITIVE EDGE

Type: **Raptor 6D Bentonite**
Connection size: **6 in x 6 in**

Frame LxWxH: **2299x1100x1601 mm / 90.51x43.31x63.03 in**

Dry weight: **1450 kg / 3200 lbs**

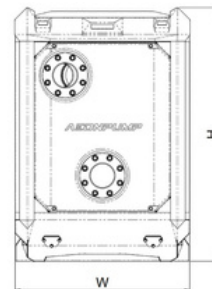
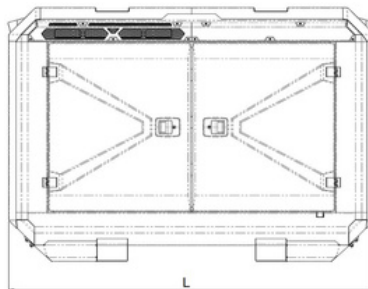
Fuel tank capacity: **270 L / 71.3 US gal**

Fuel consumption: **9.25 L/h / 2.44 gph**

Sound level: **64 dB at 10 m/ at 33 ft**

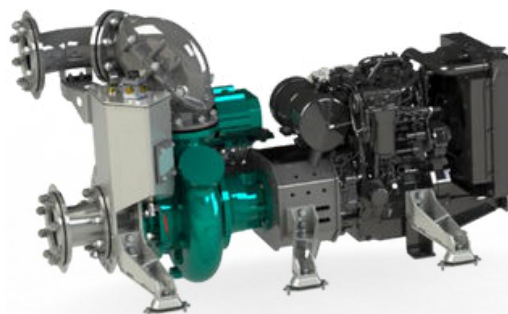
Engineered for Demanding Bentonite and Sludge Applications:

- Built for extended maintenance intervals in harsh conditions
- Premium components ensure long-lasting performance
- Equipped with online telemetry and remote monitoring options
- Exceptional efficiency that leads the industry



PUMP TECHNICAL SPECIFICATION

Pump Max. flow: **500 m³/h / 2200 gpm**
Max. head: **46 m / 150 ft / 65 PSI**
Impeller type: **Screw impeller**
Solids handling: **100 mm / 3.94 in**
Temperature: **max. 40°C / 104°F**
Casing: **GG25 (0.6025)**
Impeller: **RL03 (1.4122)**
Suction Liner: **HidroHard**
Suction liner: **Adjustable by external regulation screws**
Wear Ring: **Hidrolex**
Shaft: **1.4021**
Shaft Sealing: **WC/SiC/NBR**
O-Rings: **NBR**
Suction liner adjustable by external regulation screws





Priming System Pump type: **dry claw vacuum pump**
Air handling capacity: **60 m³/h / 35 CFM**
Max. vacuum: **9.0 m / 30 ft**
Floatbox: **Hot dip galvanized Steel**
Non-return valve: **Ductile iron GJS400**
Check valve ball: **Rubber NBR**



ENGINE OPTIONS

Standard Model: **Hatz 4H50TICD**
Emission standard: **Stage V/ Tier 4f**
Cylinders: **4**
Displacement: **1.952 L / 119.12 cu.in.**
Aspiration **Turbocharger**
Bore and stroke mm: **84 x 88 / 3.31x3.46 in**
Maximum power: **37 kW / 50 hp @1900 rpm**
Variable speed: **1300 - 1900 rpm**
Combustion system: **High-pressure common rail direct injection**
Exhaust after treatment: **cEGR, DOC, DPF**

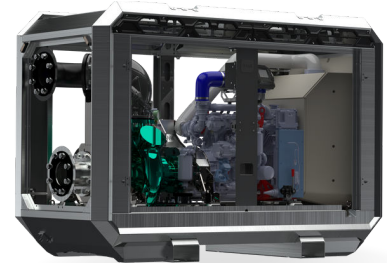


FRAME OPTIONS

Silent canopy Canopy type: **Stackable**
Material: **Hot dip galvanized Steel**
Dimensions LxWxH: **2299x1100x1601 mm / 90.51x43.31x63.03 in**
Lifting point: **Single lifting point**
Forklift pockets: **Installed**



Open canopy Canopy type: **Stackable**
Material: **Hot dip galvanized Steel**
Dimensions LxWxH: **2299x1100x1601 mm / 90.51x43.31x63.03 in**
Lifting point: **Single lifting point**
Forklift pockets: **Installed**



OPTIONS

Panel AEONPUMP Software
Automatic level control
Hydrostatic level sensor*
SMS alarm system*
Online telemetry*
Dual float switch
Light Assistant*

* Optional



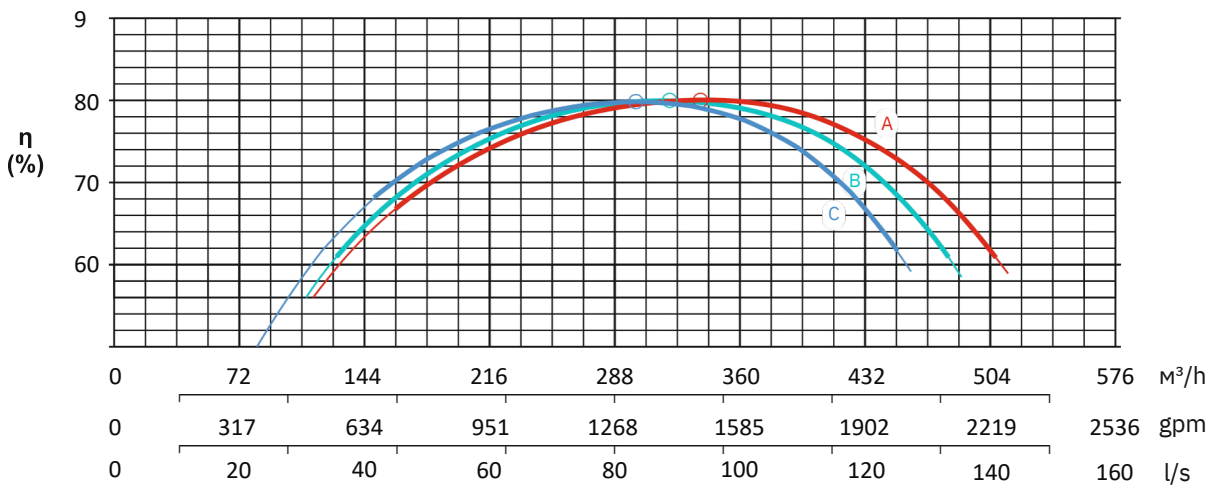
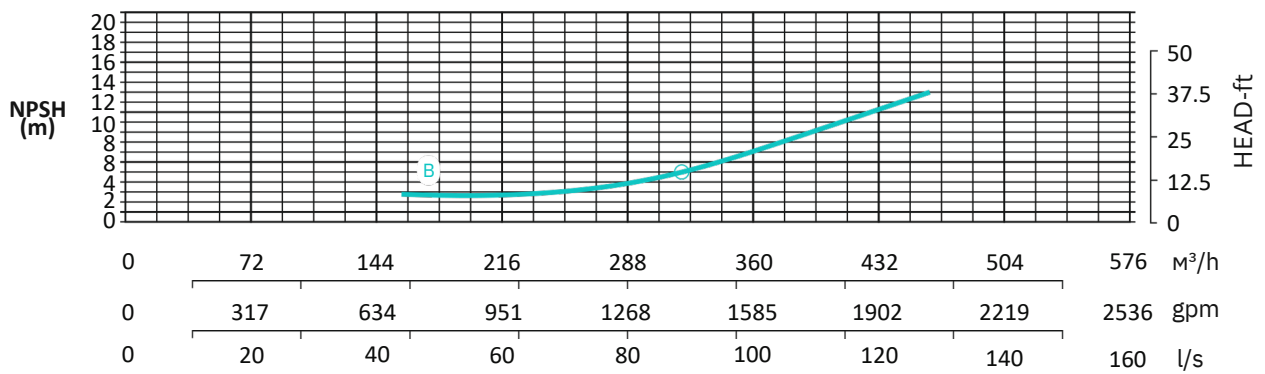
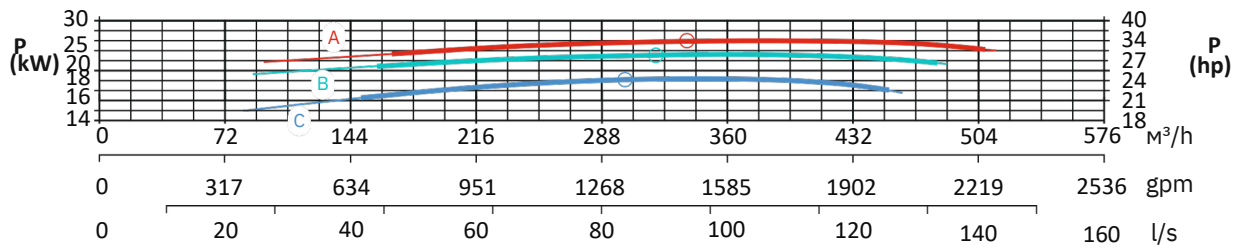
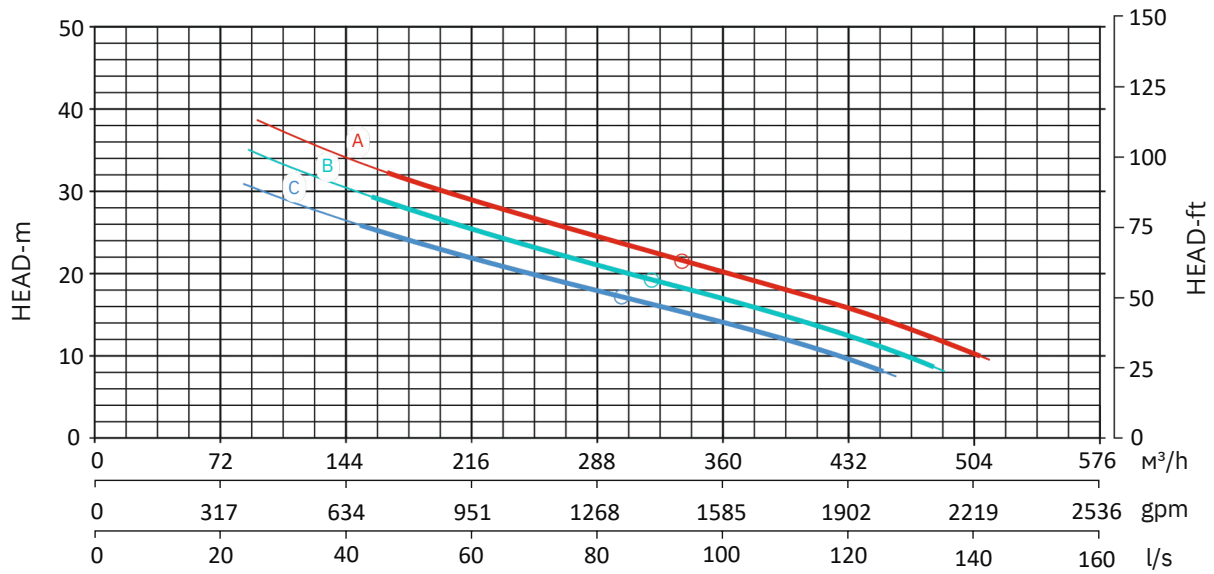
Flushing Optional Central Flushing System
Raptor Bentonite can be optionally fitted with a central flushing system, allowing for easy maintenance and helping to keep your sludge pump running at peak performance.

Curves at Speeds:

A 1900 rpm

B 1800 rpm

C 1700 rpm



Note: Pump power P include mechanical seal friction and bearing frame losses, from a run in bearing frame.