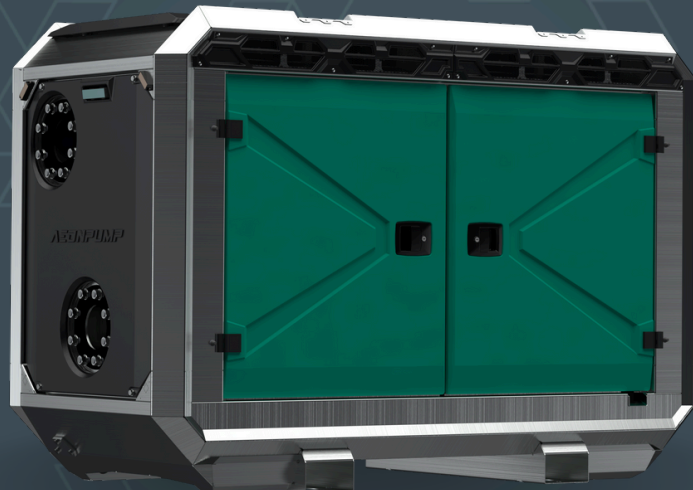


AEDONPUMP

RAPTOR 4D BENTONITE



**DIESEL DRIVEN
BENTONITE PUMP**

V1.25

FEATURES AND COMPETITIVE EDGE

Type: **Raptor 4D Bentonite**
Connection size: **4 in x 4 in**

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

Dry weight: **1400 kg / 3100 lbs**

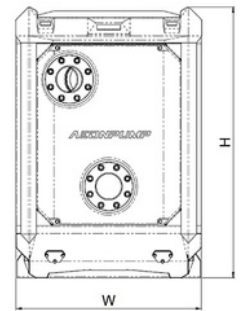
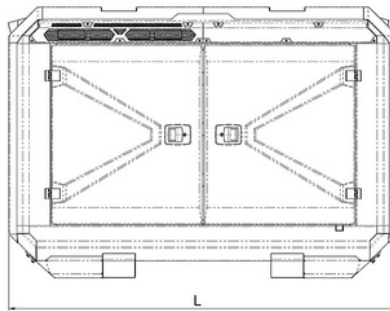
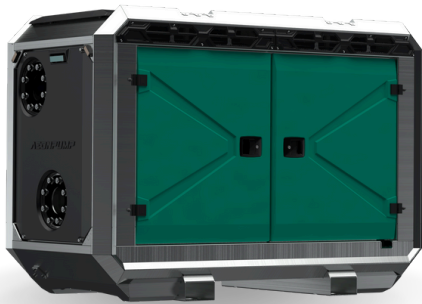
Fuel tank capacity: **270 L / 53 US gallons**

Fuel consumption: **4.5 L/h / 1.2 gph**

Sound level: **63 dB at 10 m / 33 ft**

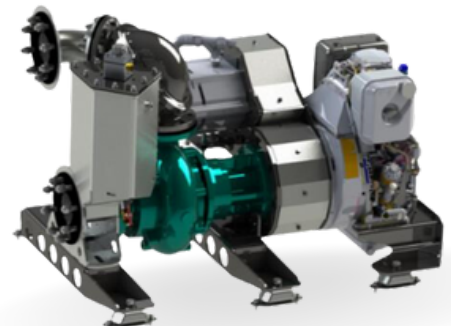
Engineered for Demanding Bentonite and Sludge Applications:

- 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: **230 m³/h / 1013 US gpm**
Max. head: **30 m / 98 ft / 43 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**





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**



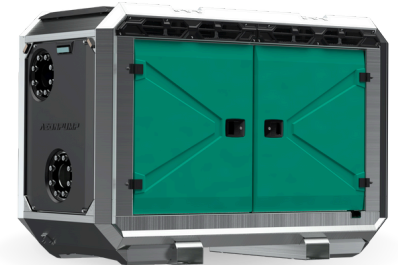
ENGINE OPTIONS

Standard Model: **Hatz 3H50TICD**
Emission standard: **Stage V/ Tier 4f**
Cylinders: **3**
Displacement litres: **1.464 L / 89.34 cu. in.**
Bore and stroke mm: **84 x 88 mm / 3.31x3.46 in**
Maximum power: **18 kW / 24.1 hp @2000 rpm**
Variable speed: **1500 - 2000 rpm**
Combustion system: **Direct injection with Bosch off-highway common-rail system**
Exhaust after treatment: **cEGR, DOC, DPF**

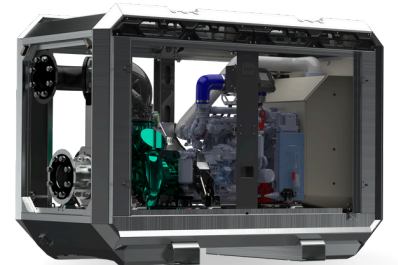


FRAME OPTIONS

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 galvanised 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.

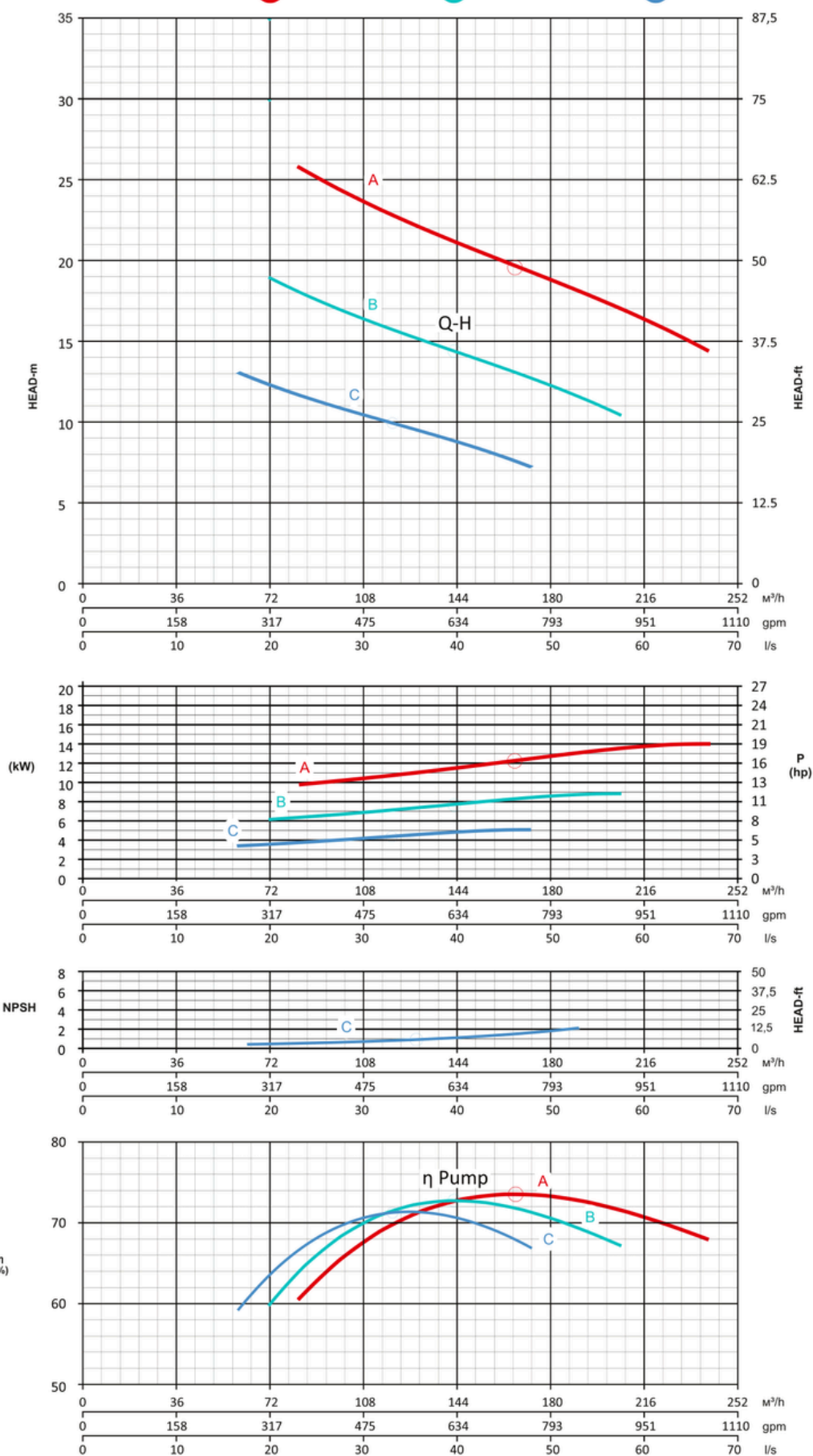


Curves at Speeds:

A 2100 rpm

B 1800 rpm

C 1500 rpm



Note: Pump power P include mechanical seal friction and bearing frame losses, from a run in bearing frame.
(Testing according ISO 9906:2012-38)