

**AEDONPUMP**

# RAPTOR 4D HEAVY



**DIESEL**

**DRIVEN SEWAGE  
AND DEWATERING PUMP**

V1.25

## FEATURES AND COMPETITIVE EDGE

Type: **Raptor 4D Heavy**

Connection size: **4 in x 4 in / 6 in x 6 in**

Frame LxWxH: **2300x1000x1400mm / 90.6x39.4x55.1 in**

Dry weight: **1200 kg / 2650 lbs**

Fuel tank capacity: **200 L / 53 US gallon**

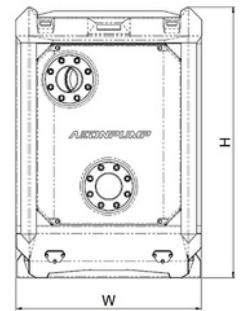
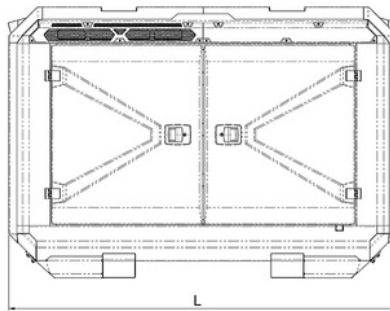
Fuel consumption: **3 L/h / 0.793 gph**

Sound level: **48dB at 10 m / 33 ft**

**Designed for heavy duty applications.**

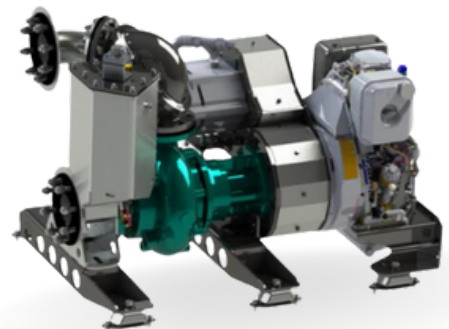
**Sewage bypass, drainage and dewatering:**

- Extended maintenance intervals;
- High-grade parts of superior quality;
- Online telemetry and remote access capability;
- Unsurpassed efficiency values that set the industry standard.



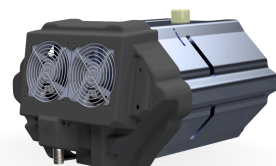
## PUMP TECHNICAL SPECIFICATION

**Pump** Max. flow: **230 m<sup>3</sup>/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 / max 104°F**  
Casing: **GG25 (0.6025)**  
Impeller: **GGG60 (0.7060)**  
Suction Liner: **GG20 (0.6020)**  
Suction liner adjustable by external regulation screws  
Wear Ring: **GG20 (0.6020)**  
Shaft: **1.4021**  
Shaft Sealing: **WC/SiC/NBR**  
O-Rings: **NBR**





**Priming System** Pump type: **dry claw vacuum pump**  
Air handling capacity: **60 m<sup>3</sup>/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 4H50N**  
Emission standard: **Stage V/ Tier 4f**  
Cylinders: **4**  
Displacement litres: **1.952 L / 119.1 cu. in.**  
Bore and stroke mm: **84 x 88 mm / 3.31x3.46 in**  
Maximum power: **12 kW / 16.1 hp @1500 rpm**  
Variable speed: **1500 - 2000 rpm**  
Combustion system: **Direct injection with Bosch off-highway common-rail system**



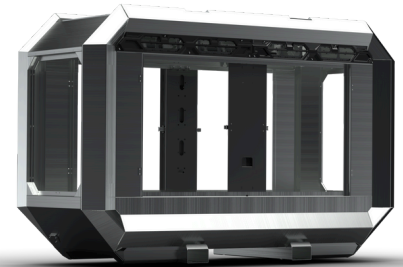
## FRAME OPTIONS

**Silent canopy** Canopy type: **Stackable**  
Material: **Hot dip galvanized Steel**  
Dimensions LxWxH: **2300x1000x1400 mm / 90.6x39.4x55.1 in**  
Lifting point: **Single lifting point**  
Forklift pockets: **Installed**

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**Open canopy** Canopy type: **Stackable**  
Material: **Hot dip galvanized Steel**  
Dimensions LxWxH: **2300x1000x1400 mm / 90.6x39.4x55.1**  
Lifting point: **Single lifting point**  
Forklift pockets: **Installed**



## CONTROL PANEL OPTIONS

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

\* Optional



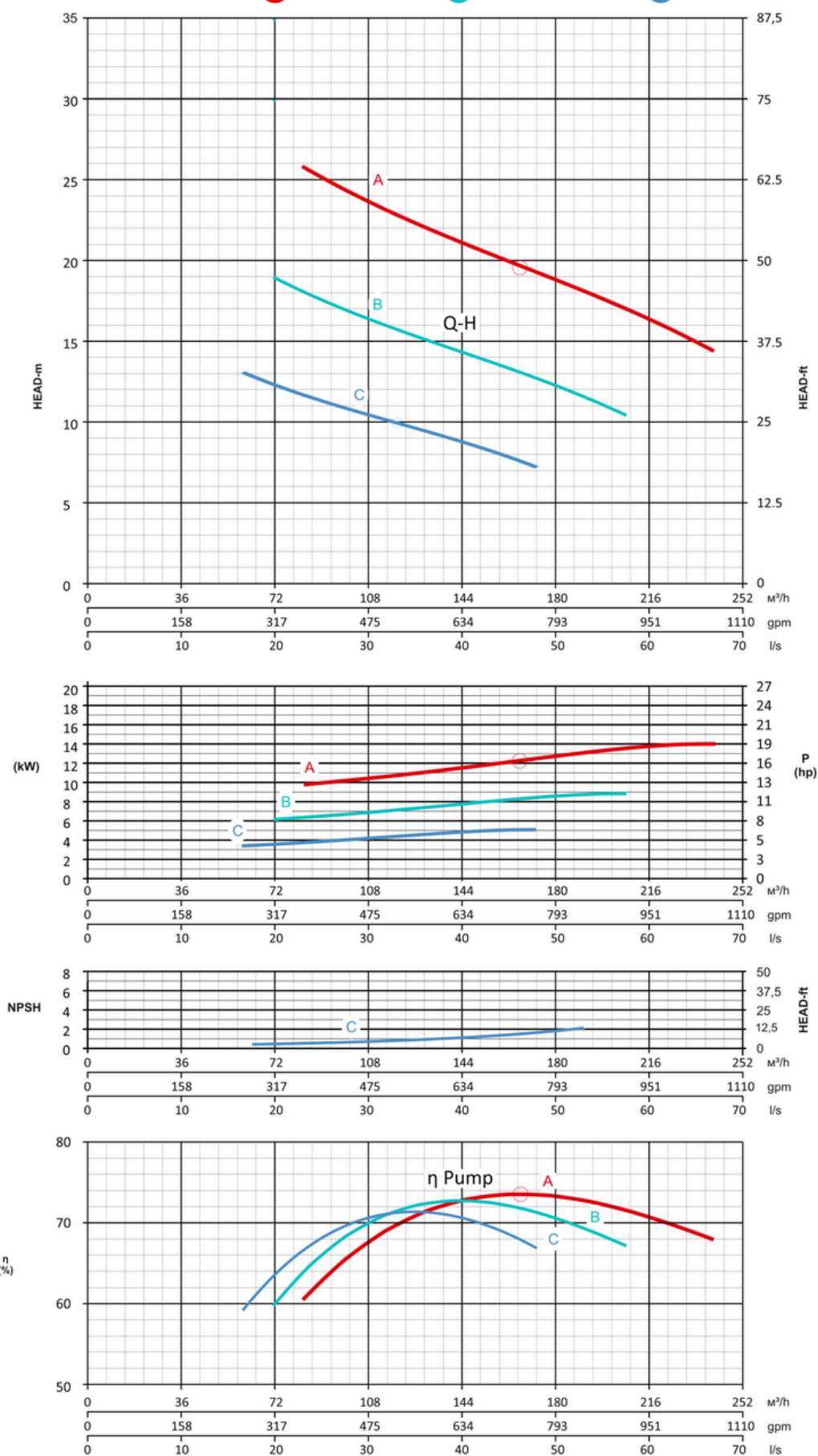


Curves at Speeds:

**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)