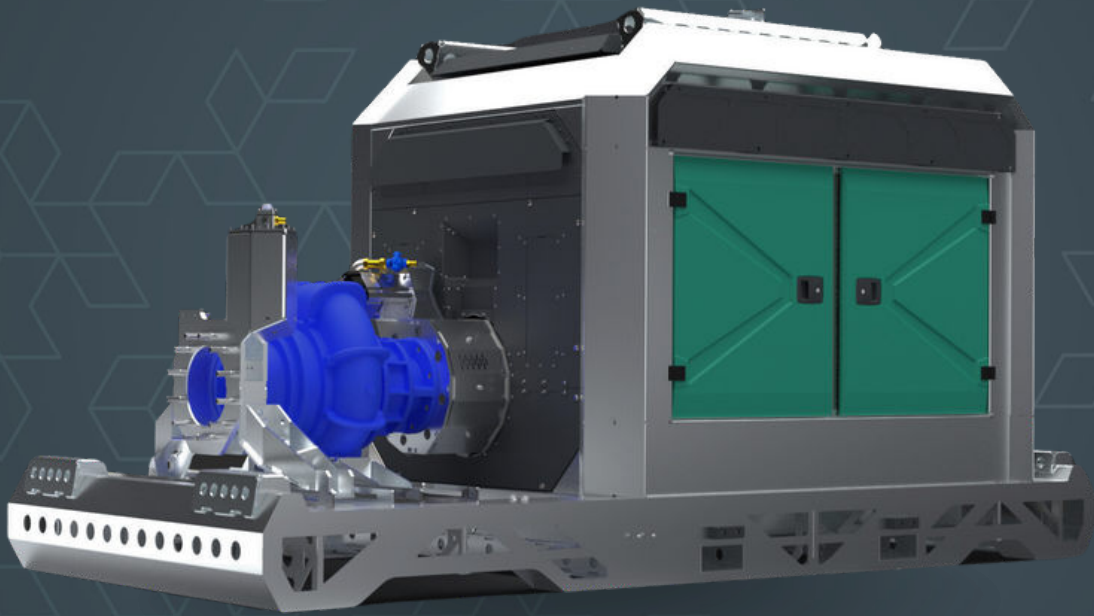


AEDONPUMP

RAPTOR 12D ULTRAHIGH



DIESEL

**DRIVEN SEWAGE
AND DEWATERING PUMP**

V2.25

FEATURES AND COMPETITIVE EDGE

Type: **Raptor 12D ULTRAHIGH**

Connection size: **12 in / 8 in**

Frame LxWxH: **4500x2050x2400 mm / 177.2x80.7x94.5 in**

Dry weight: **6000 kg / 13200 lbs**

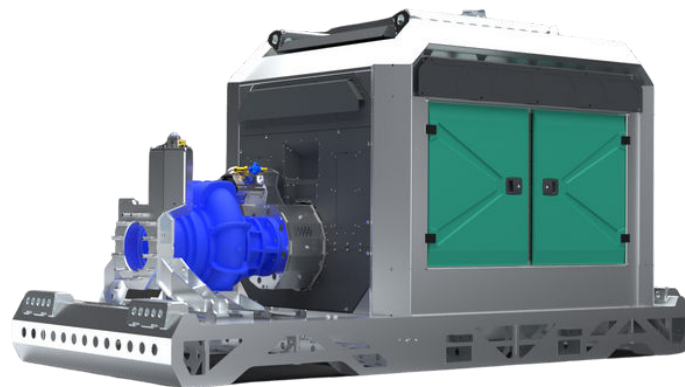
Fuel tank capacity: **400 L / 106 US gal**

Sound level: **76 dB at 10 m / 33 ft**

Designed for heavy duty applications.

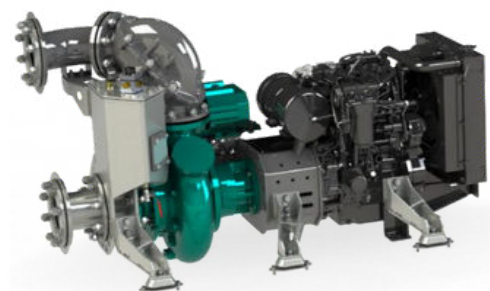
Sewage bypass, drainage and dewatering:

- 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: **2016 m³/h / 8880 US gpm**
Max. head: **112 m / 367 ft / 160 PSI**
Impeller type: **Screw impeller**
Solids handling: **150 mm / 5.9 in**
Temperature: **max. 40°C / 104°F**
Casing: **GG25 (0.6025)**
Impeller: **GGG60 (0.7060)**
Suction Liner: **GG20 (0.6020)**
Wear Ring: **GG20 (0.6020)**
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: **Volvo TAD1182VE**

Emission standard: **Stage V / Tier 4f / Stage III**

Cylinders: **6**

Displacement litres: **10.84 L / 661 cu. in.**

Bore and stroke: **123 x 152 mm / 4.84 x 5.98 in**

Maximum power: **285 kW / 382 hp @1800 rpm**

Variable speed: **1600 - 1800 rpm**

Combustion system: **High-pressure common rail direct injection**

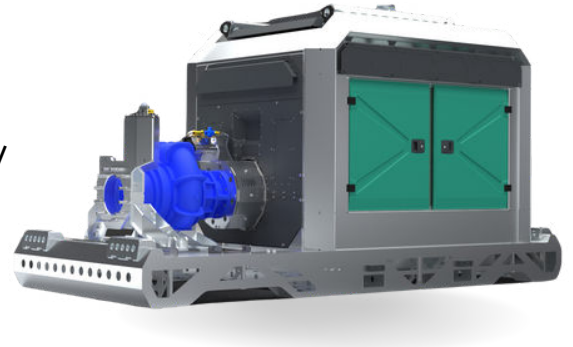
Exhaust after treatment: **SCR, DPF+ DOC and uncooled EGR**



FRAME OPTIONS

Silent canopy

Canopy type: **Stackable**
Material: **Hot dip galvanized Steel**
Dimensions LxWxH: **4500x2050x2400 mm / 177.2x80.7x94.5 in**
Lifting point: **Single lifting point**
Forklift pockets: **Installed**

**Open canopy**

Canopy type: **Stackable**
Material: **Hot dip galvanized Steel**
Dimensions LxWxH: **4500x2050x2400 mm / 177.2x80.7x94.5 in**
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



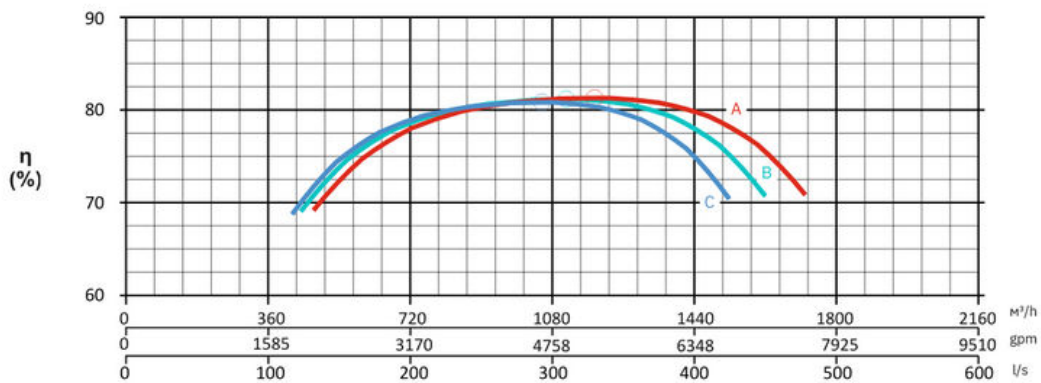
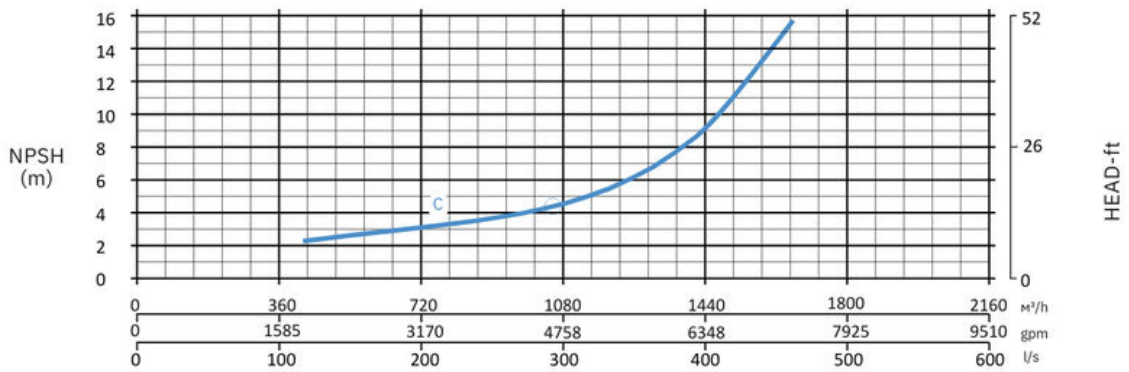
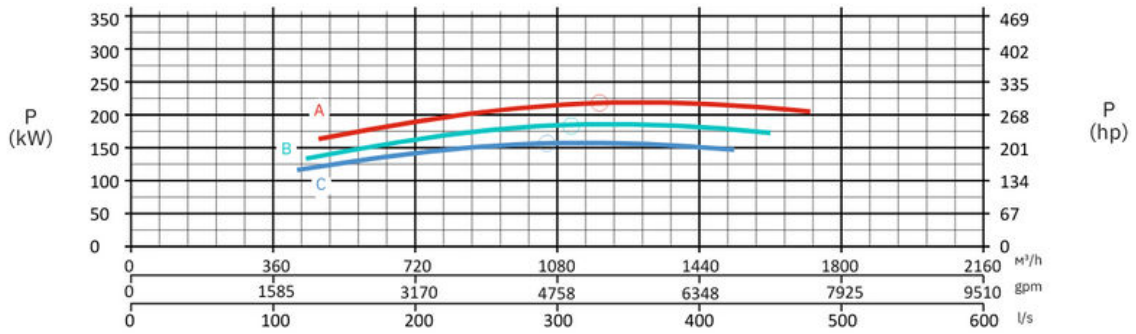
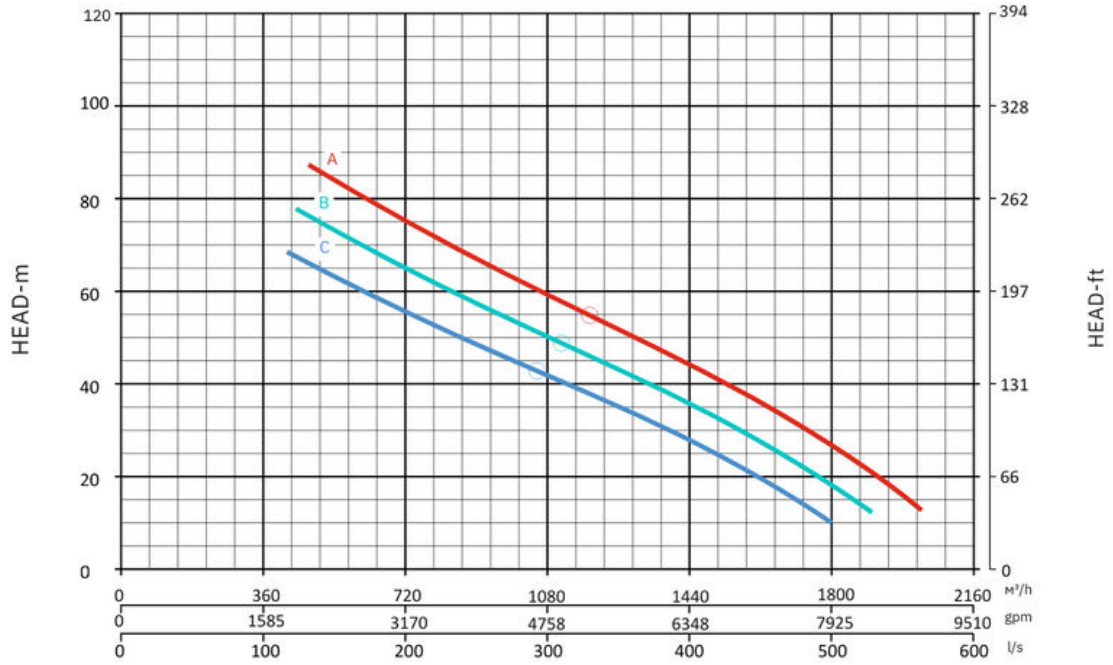


Curves at Speeds:

A 1800 rpm

B 1700 rpm

C 1600 rpm



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