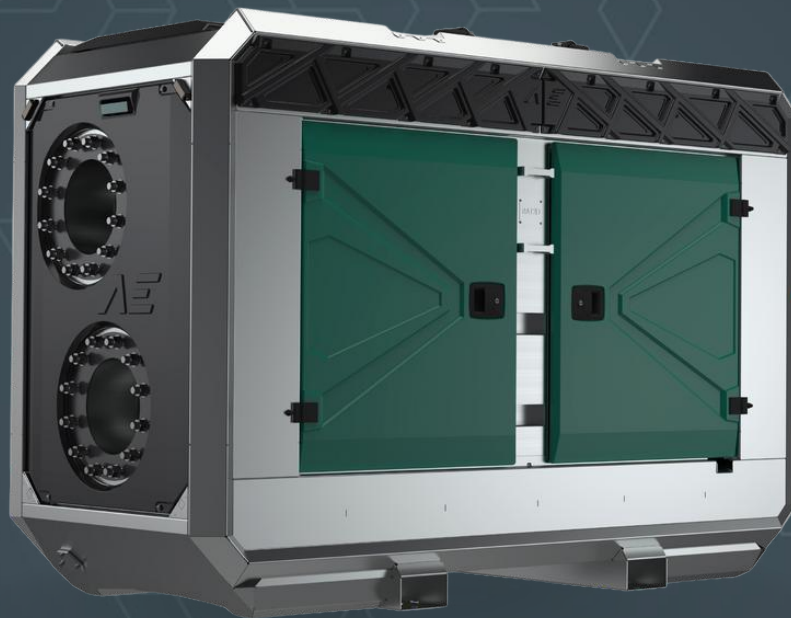


AEONPUMP

RAPTOR 12D



DIESEL

**DRIVEN SEWAGE
AND DEWATERING PUMP**

V3.25

FEATURES AND COMPETITIVE EDGE

Type: **RAPTOR 12D**

Connection size: **12 in x 12 in**

Frame LxWxH: **2700x1150x1820 mm / 106.3x45.3x71.7 in**

Dry weight: **3200 kg / 7060 lbs**

Fuel tank capacity: **400 L / 105 US gal**

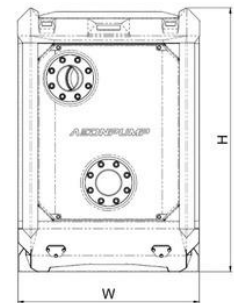
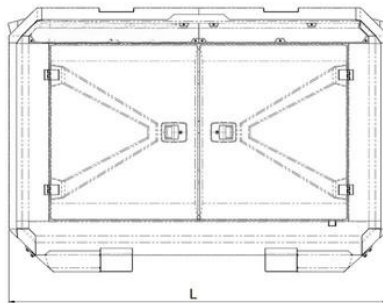
Consumption @ max rpm: **11.3 L/h / 3 gal/h**

Sound level: **72 dB at 10 m / 33 ft**

Designed for heavy duty applications.

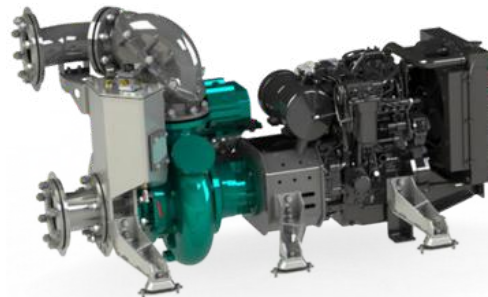
Sewage bypass, drainage and dewatering:

- 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: **1044 m³/h / 4590 US gpm**
Max. head: **35 m / 115 ft / 50 PSI**
Impeller type: **Screw impeller**
Solids handling: **120 mm / 4.72 in**
Temperature: **max. 40°C / max 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



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Priming System

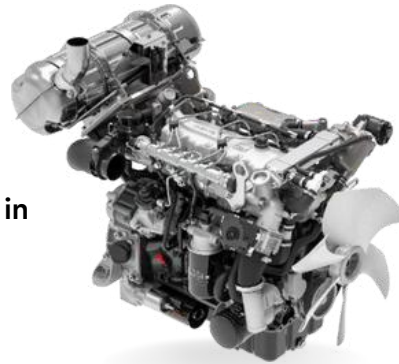
Pump type: **dry claw vacuum pump**
Air handling capacity: **60 m³/h / 35 CFM**
Max. vacuum: **9.0 m / 30 ft**
Floatbox: **Hot dip galvanized Steel**
Non-return valve: **Ductile iron GJS400**
Check valve ball: **Rubber NBR**



ENGINE OPTIONS

Standard

Model: **Hatz 4H50TICD/ Hatz 4H50TIC/ 4H50TI**
Emission standard: **Stage V/ Tier 4f/ Stage III**
Cylinders: **4**
Displacement: **1.952 L / 119.12 cu.in.**
Aspiration **Turbocharged charge air cooling**
Bore and stroke mm: **84 x 88 Inches / 3.31x3.46 in**
Maximum power: **45 kW / 60.35 hp @1700 rpm**
Variable speed: **1500 - 1800 rpm**
Combustion system: **Direct injection**
Exhaust after treatment: **DOC, DPF**



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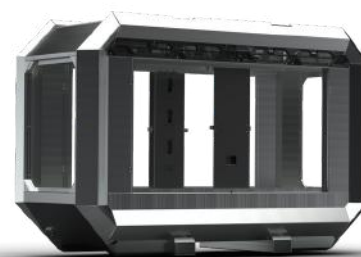
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FRAME OPTIONS

Silent canopy Canopy type: **Stackable**
Material: **Hot dip galvanized Steel**
Dimensions LxWxH: **2700x1150x1820 mm / 106.3x45.3x71.7 in**
Lifting point: **Single lifting point**
Forklift pockets: **Installed**



Open canopy Canopy type: **Stackable**
Material: **Hot dip galvanized Steel**
Dimensions LxWxH: **2700x1150x1820 mm / 106.3x45.3x71.7 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

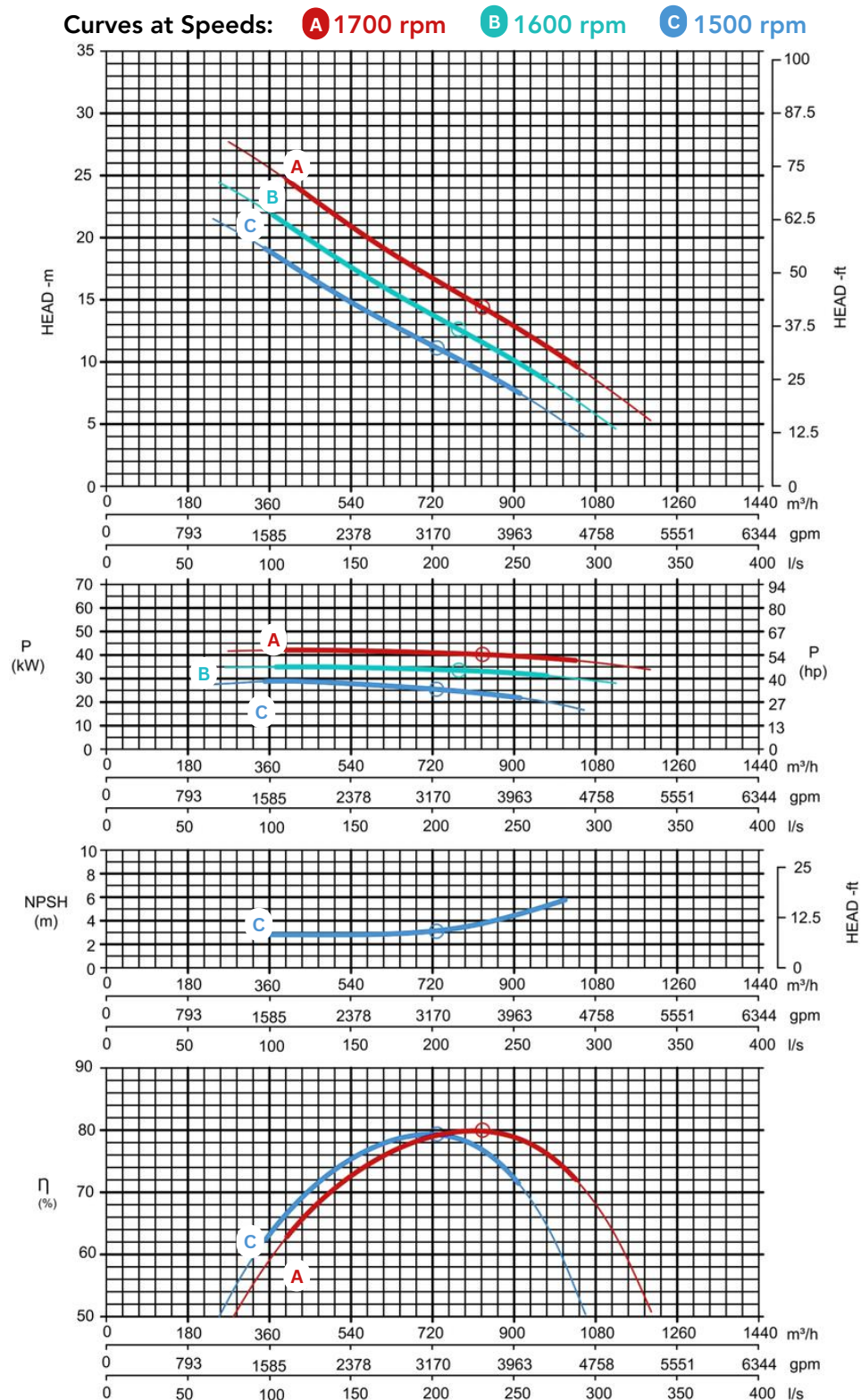


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Note: Pump power P include mechanical seal friction and bearing frame losses, from a run in bearing frame.
(Testing according ISO 9906:2012-38)

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