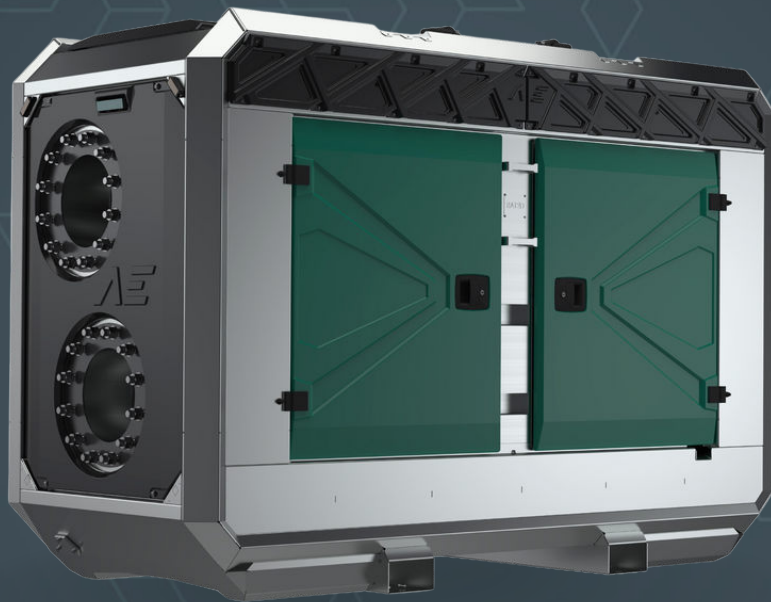


AEDONPUMP

RAPTOR 12D HEAVY



DIESEL

**DRIVEN SEWAGE
AND DEWATERING PUMP**

FEATURES AND COMPETITIVE EDGE

Type: **RAPTOR 12D HEAVY**

Connection size: **12"**

Frame LxWxH: **2700x1150x1820 mm**

(106.3x45.3x71.7")

Dry weight: **3300 kg (7275.25 lbs)**

Fuel tank capacity: **400 L**

(105.7 US gallons)

Sound level: **75 dB (at 10 m/at 32.8 feet)**

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: **1260 m³/h (5544 gpm)**

Max. pressure: **45 m (147.64 feet)**

Impeller type: **Screw impeller**

Solids handling: **120 mm (4.72")**

Temperature: **max. 40°C (max 104°F)**

Casing: **GG25 (0.6025)**

Impeller: **GGG60 (0.7060)**

Suction Liner: **GG20 (0.6020)**

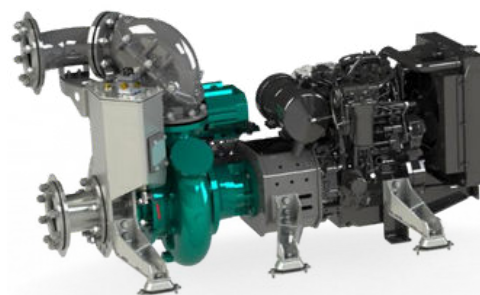
Wear Ring: **GG20 (0.6020)**

Shaft: **1.4021**

Shaft Sealing: **WC/SiC/NBR**

O-Rings: **NBR**

Suction liner adjustable by external regulation screws



**Priming
System**

Pump type: **dry claw vacuum pump**
Air handling capacity: **60 m³/h (35 CFM)**
Max. vacuum: **9.0 m (29.5 feet)**
Floatbox: **Hot dip galvanized Steel**
Non-return valve: **Ductile iron GJS400**
Check valve ball: **Rubber NBR**

**ENGINE****Standard**

Model: **Perkins 904J-E36TA**
Emission standard: **Stage V**
Cylinders: **4**
Displacement: **3.6 L (219.69 cu.in.)**
Aspiration **Turbocharged after-cooled**
Bore and stroke mm: **98 x 120 mm (3.86x4.72")**
Maximum power: **65 kW (87.17 hp) @1700 rpm**
Variable speed: **1500 - 1700 rpm**
Combustion system: **Direct Injection**
Exhaust after treatment: **DOC, DPF**

**FRAME OPTIONS****Silent
canopy**

Canopy type: **Stackable**
Material: **Hot dip galvanized steel**
Dimensions LxWxH: **2700x1150x1820 mm
(106.3x45.3x71.7")**
Lifting point: **Single lifting point**
Forklift pockets: **Installed**



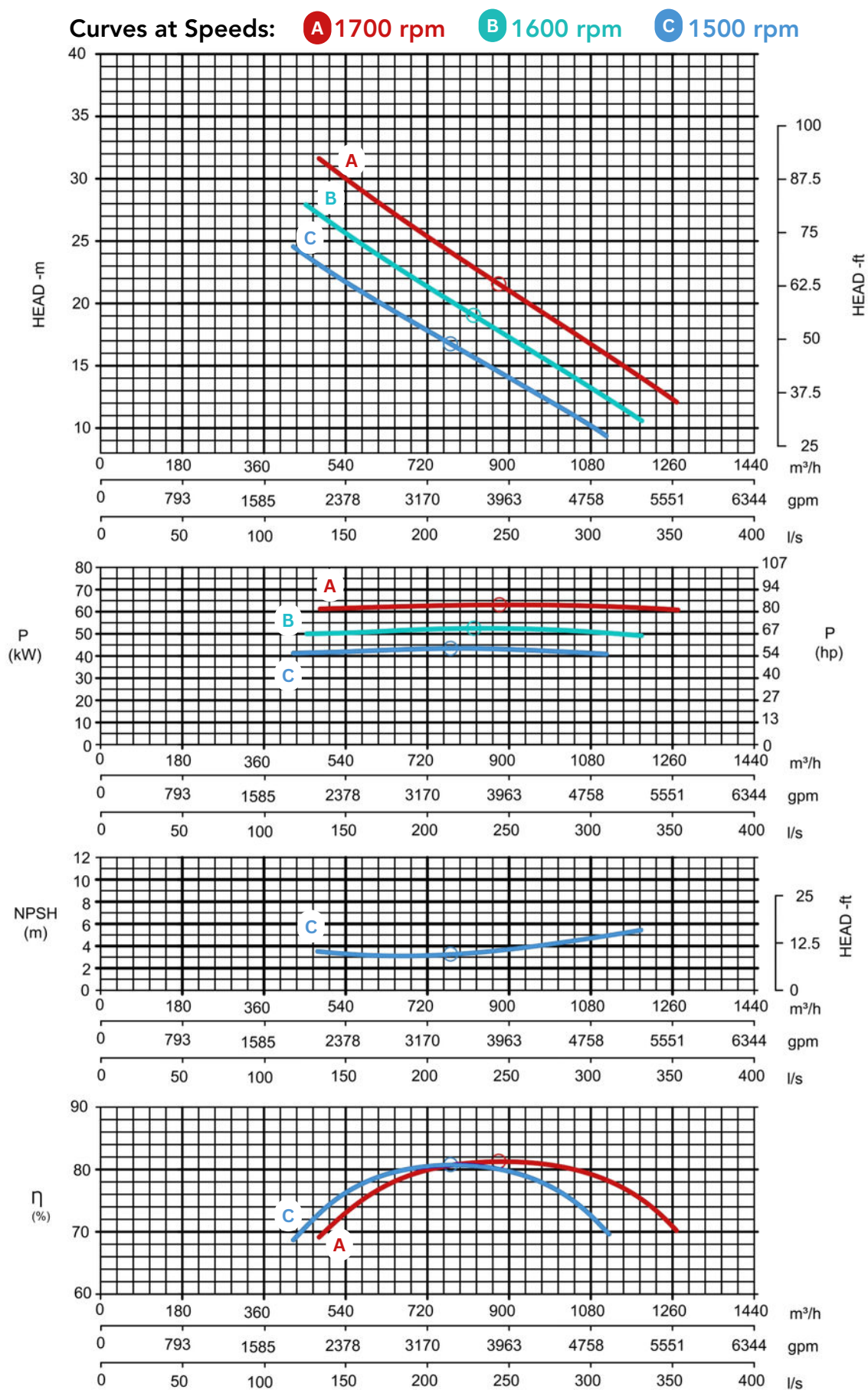
Open canopy Canopy type: **Stackable**
Material: **Hot dip galvanized steel**
Dimensions LxWxH: **2700x1150x1820 mm**
(106.3x45.3x71.7")
Lifting point: **Single lifting point**
Forklift pockets: **Installed**

CONTROL PANEL OPTIONS

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

* Optional





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