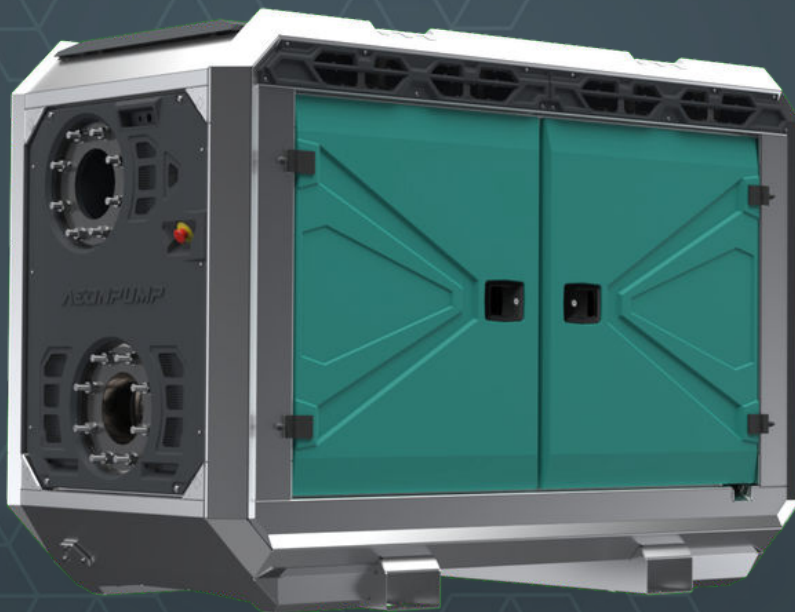


AEDONPUMP

RAPTOR 4 PLUG-IN



**DIESEL, BATTERY, ELECTRIC
DRIVEN SEWAGE
AND DEWATERING PUMP**

V4.26

FEATURES AND COMPETITIVE EDGE

Type: **Raptor 4 PLUG-IN**
Connection size: **4 in x 4 in**

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

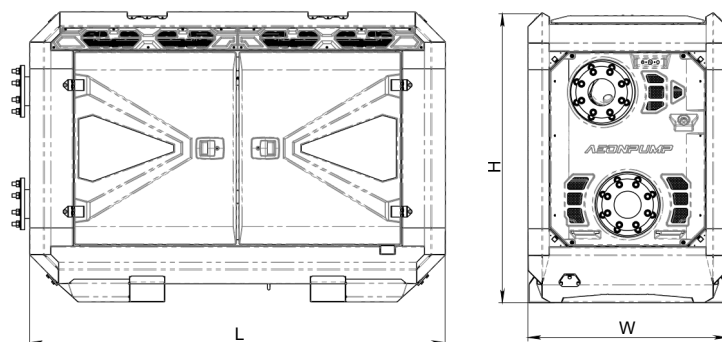
Dry weight: **1450 kg / 3200 lbs**

Fuel tank capacity: **200 L / 52 US gallons**

Sound level: **54 dB at 10 m/at 33 ft**

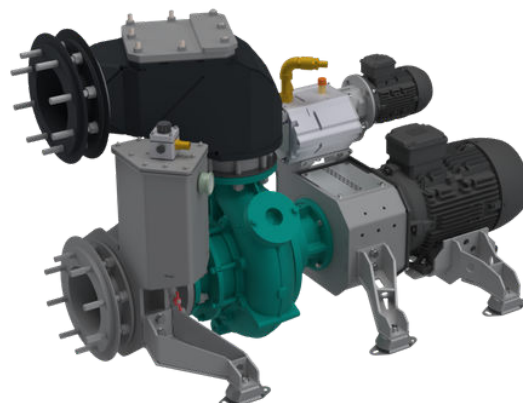
Designed for heavy duty applications.
Sewage bypass, drainage and dewatering:

- 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: **190 m³/h / 836 gpm**
Max. head: **19 m / 62 ft / 27 PSI**
Impeller type: **Screw impeller**
Solids handling: **75 mm / 2.95 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 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**



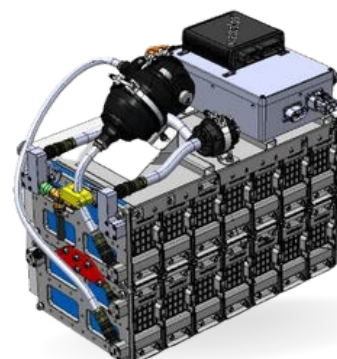
ELECTRICAL DUAL MOTOR

Standard Nominal voltage: **48V (42V/58,8V)**
Power: **5.5 kW / 7.38 hp**
Integrated frequency converter



BATTERY

Standard BATTERY:
10 kWh net capacity; up to 5 modules in parallel
with total capacity up to 50 kWh
Over 3,500 full charging cycles
Charging at -20 °C with built-in heating
Operating Temperature -28°C up to +49°C
Battery 10kWh can run 2,5 h on a single charge
Battery 20kWh can run 5 h on a single charge
Battery 30kWh can run 7,5 h on a single charge
Battery 40kWh can run 9 h on a single charge
Battery 50kWh can run 12,5 h on a single charge



ONBOARD CHARGER:

DC charging power output of up to 11 kW
Input voltage 400 V (three phase)
Operating Temperature -28°C up to +49°C
Charging time 10kW per 1 hour

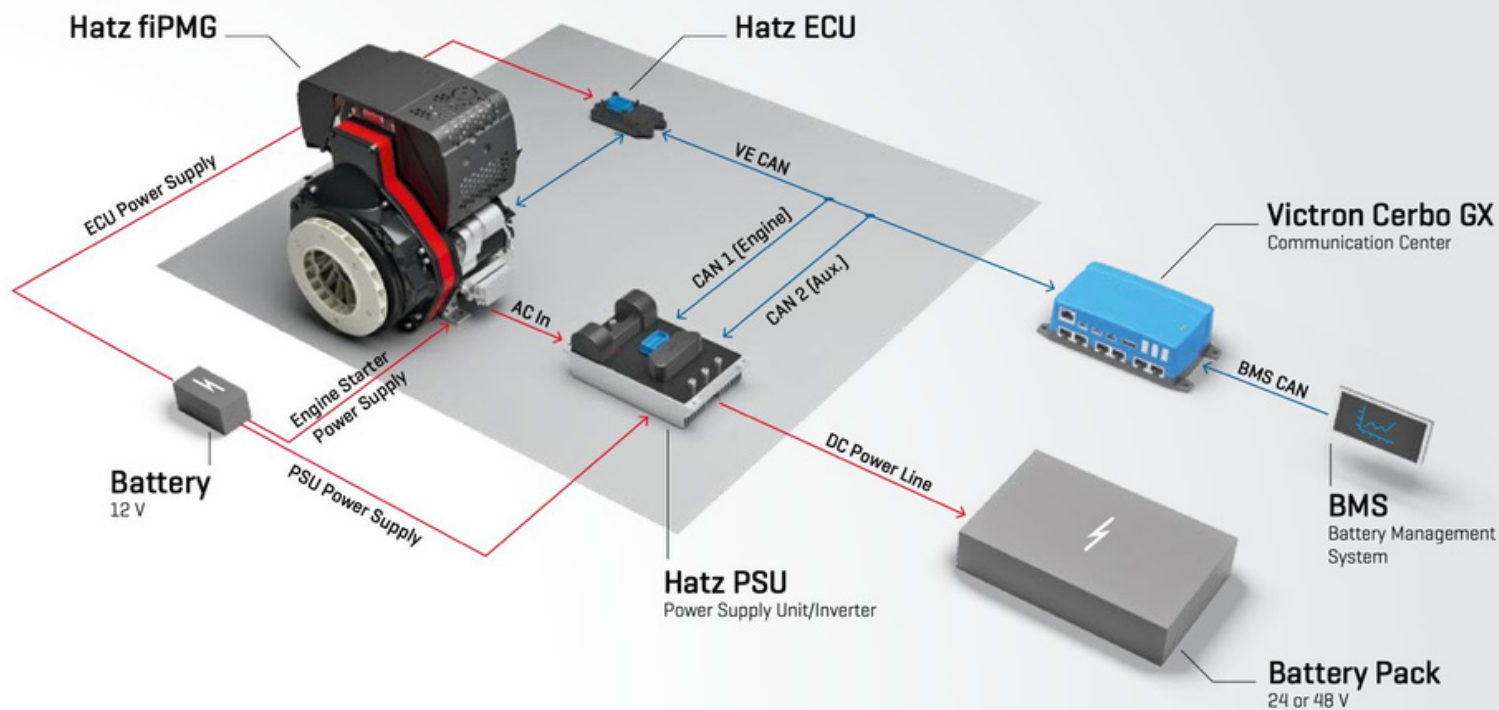
* Power depends on the outside temperature

ENGINE

Engine Type: 1B50E
Max. Power: 5.6 kW
Max. Current: 100 A
Voltage: 56 V



VISUALS OF ENGINE



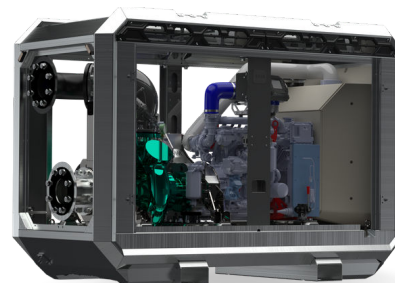
FRAME OPTIONS

**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 galvanized Steel**
Dimensions LxWxH: **2299x1100x1601 mm**
90.51x43.31x63.03 in
Lifting point: **Single lifting point**
Forklift pockets: **Installed**



CONTROL PANEL OPTIONS

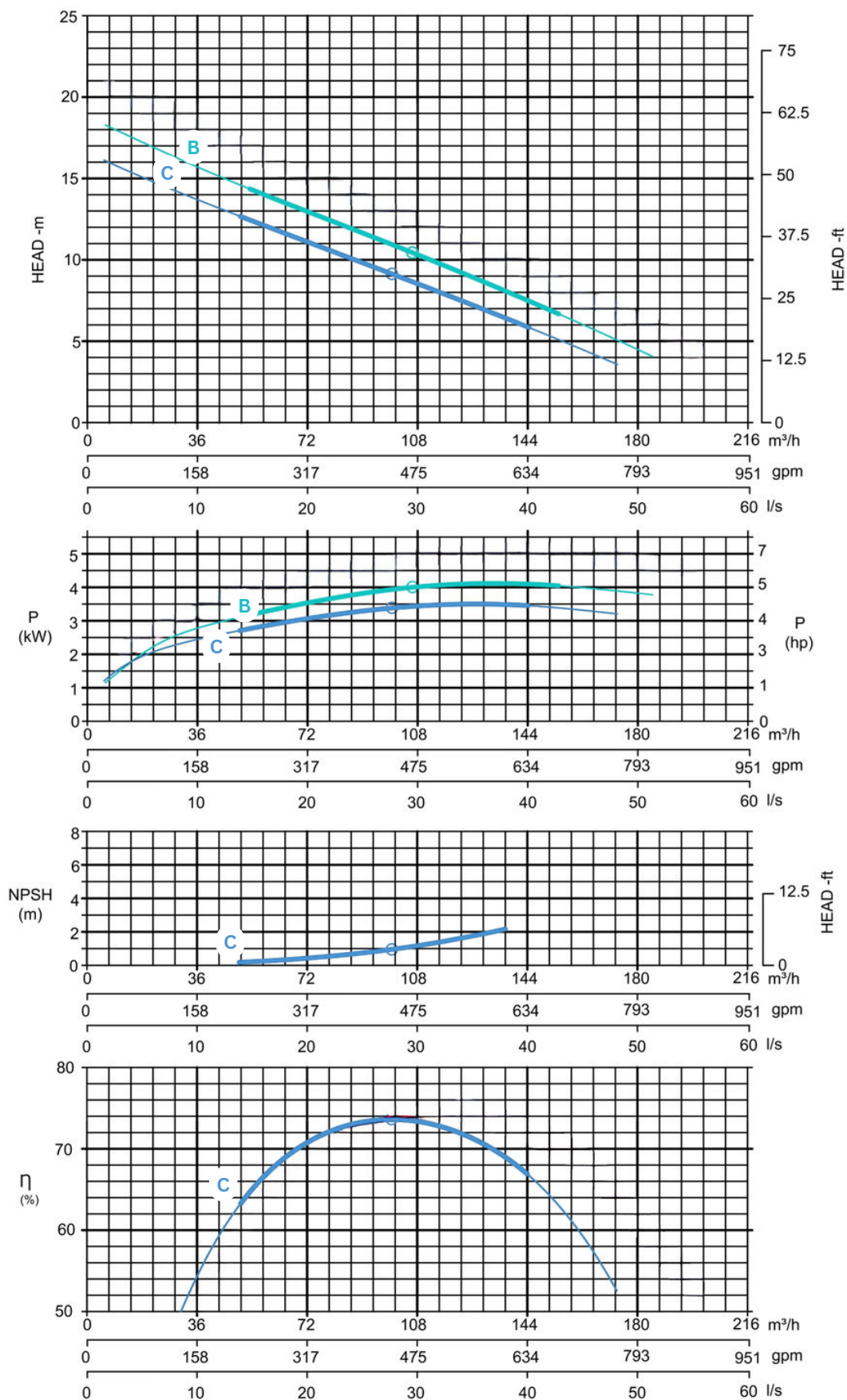
Panel

AEONPUMP Software
Automatic level control
Hydrostatic level sensor*
Online telemetry*
Dual float switch
Light Assistant*

* Optional



Curves at Speeds: **B** 1600 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)