

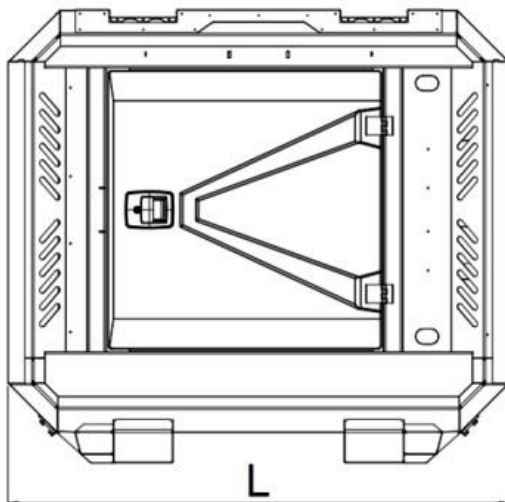
**Pump specification:**

Type: RAPTOR 4D Screw  
Max. flow: 115 m<sup>3</sup>/h  
Max. pressure: 18 m  
Connection size: 4"  
Solids handling: 75 mm  
Impeller type: screw impeller Priming system: equipped  
Diesel engine: 5.5kW  
Emission standard: Stage V  
Fuel Tank: 50L

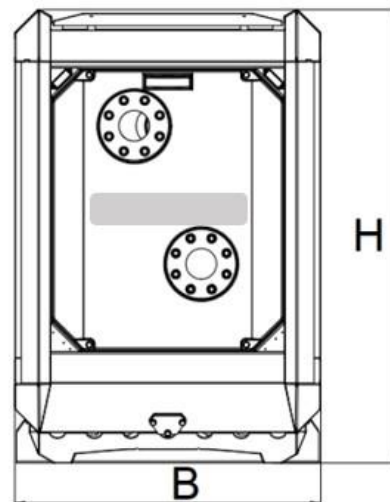


Frame LxBxH: 1640x1000x1500 mm  
Dry weight: 6800 kg (inc trailer)

Sound: 65dBA 7M



L



B

H

D

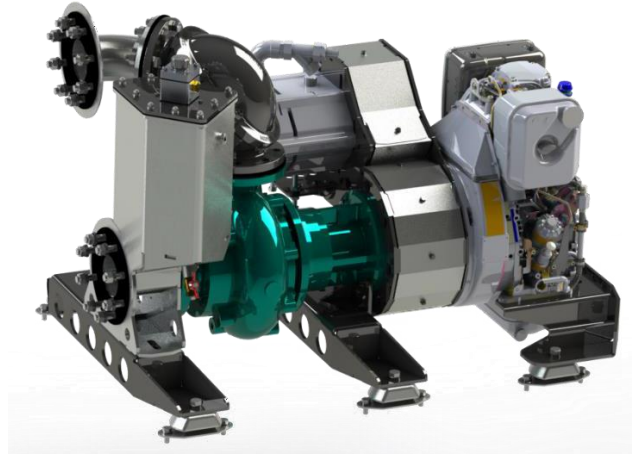
**FEATURES AND COMPETITIVE EDGE**

Long maintenance intervals;  
High quality parts and long lifetime;  
Innovation, online telemetry and remote access capability;  
Designed for heavy duty applications in sewage, drainage and dewatering bypass;  
Industry leading efficiency;

## **PUMP TECHNICAL SPECIFICATION**

### **Pump**

Max. flow: 115m<sup>3</sup>/h  
Max. pressure: 18 m  
Impeller type: Screw impeller  
Solids handling: 75 mm  
Temperature: max. 40 °C  
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



### **Engine specification**

Hatz 1D81  
Cylinders: 1  
Displacement liters: 0.722  
Bore and stroke mm 104 x 85  
Maximum power: 5.5kW @1600rpm  
Variable speed: 1500-1600 rpm  
Maximum torque: 21Nm @3000rpm  
Combustion system: High Pressure  
Mechanical Direct Injection  
Emission standard: Stage V



### **Priming system**

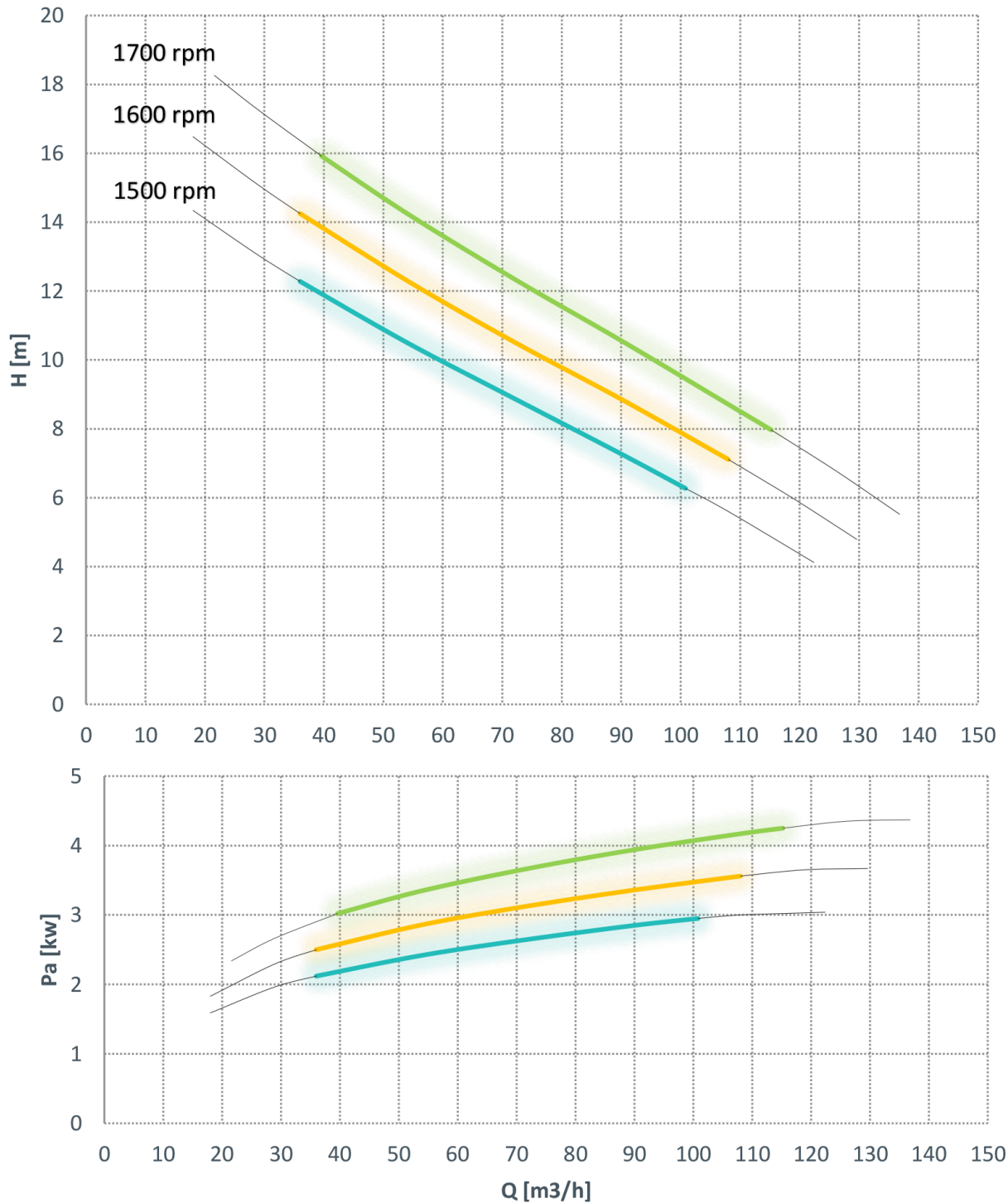
Air handling capacity: 60 m<sup>3</sup>/h  
Max. vacuum: 9.0 m  
Floatbox: HDG steel  
Non return valve: Ductile iron  
GJS400  
Check valve ball: Rubber NBR

### **Frame or canopy**

Frame or canopy: Stackable  
Material: Steel HDG  
Dimensions LxWxH: 1640x1000x1500 mm  
Lifting point: Single lifting point  
Forklift pockets: forklift pockets

## Curves at speeds 1500 till 1600 rpm

(Testing according ISO 9906:2012-38)



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