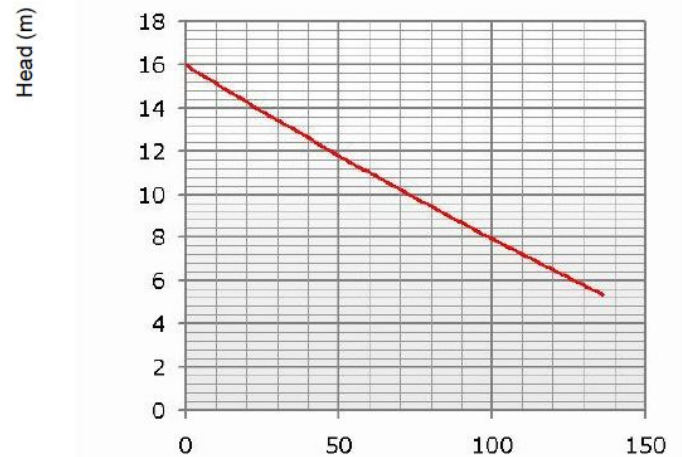


**Make / type** : Hidrostral / Betsy 100  
**Description** : 4" dry self-priming diesel engine pump  
**Number / revision** : R01001 / 0



Capacity (m<sup>3</sup>/hr)

#### Operating conditions

Liquid : water  
 Capacity : see curve, max 136 m<sup>3</sup>/hr  
 Head : see curve, max 16 m

#### Technical data

Discharge connection : 4 "  
 Suction connection : 4 "  
 Weight : 1250 kg  
 Free passage : 75 mm  
 Dimensions L x W x H : 2015 x 1138 x 1470 mm

#### Materials

Casing : cast iron  
 Impeller : cast iron  
 Shaft seal : mechanical seal

#### Drive

Engine : diesel engine  
 Make : Hatz  
 Motorpower / rpm : 4 kW x 1500 rpm  
 Fuel tank : 180 liter  
 Fuel consumption : 1 liter/hour at full load  
 Max. running hours (at full load) : 180 hours

#### Remarks

- central lifting eye
- electronic vacuum system
- option: level control (electrodes)

#### Features

- can run unrestricted in snore conditions and can run dry
- primes very quickly on high suction lift
- large free passage
- capable of pumping viscous liquids containing solids
- easily capable of pumping raw sewage
- non-clogging screw-centrifugal impeller
- very low noise level
- very energy-efficient

#### Main applications

- pumping bentonite and sludge
- in situations requiring suction and snoring
- pumping out excavation pits and trenches
- pumping out sewage pits and cellars
- pumping out surface water