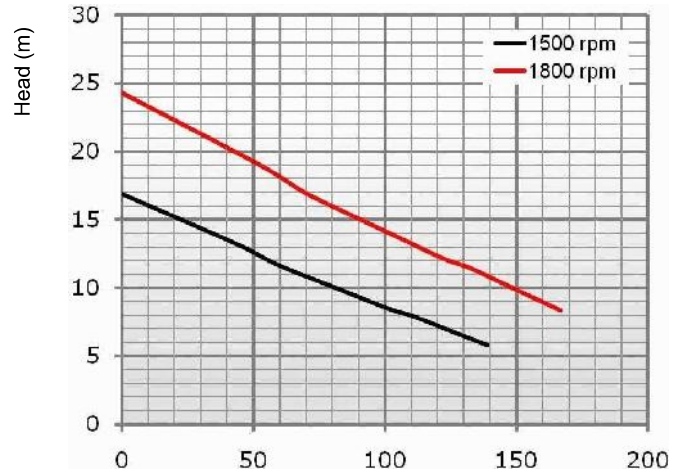


Make / type : Hidrostal / Betsy 100H GG
Description : dry self-priming, solids handling diesel engine pump unit
Number / revision : 14-TU8340e



Capacity (m³/hr)

Operating conditions

Liquid : water
 Capacity max : 139 m³ at 1500 rpm
 Capacity max : 172 m³ at 1800 rpm
 Head max : 16 m at 1500 rpm
 Head max : 24 m at 1800 rpm

Technical data

Discharge connection : flange PN10, DN 100
 Suction connection : flange PN10, DN 100
 Weight : 1215 kg
 Solids handling : Ø 75 mm

Drive

Engine : diesel engine
 Make / model : Hatz / 1D81Z
 Motorpower / rpm : 4 kW x 1500 rpm
 Motorpower / rpm maximum : 6,9 kW x 1800 rpm
 Power consumption / rpm standard : 3,2 kW x 1500 rpm
 Power consumption / rpm maximum : 5,9 kW x 1800 rpm
 Starting method : 12 volt, manual, automatic level switching and engine protection system
 Fuel tank : 180 liter

Features

- large free passage
- capable of pumping viscous liquids containing solids
- large pump capacity combined with low engine power
- the pump set primes very quickly even at very high suction lifts of as much as 8.5 metres
- clog-resistant and wear-resistant centrifugal screw impeller
- the wear liner can be adjusted from outside the pump volute (1R and 3R)
- can handle large quantities of air, up to 100 m³/hour.
- can run unrestricted in snore conditions and can run dry
- automatic level switching (engine start and stop level control)
- very economical. Fuel consumption is at least 50% lower than conventional wastewater pumps
- double shaft seal submerged in an oil bath guarantees extended
- patented electronic vacuum system
- pump units can be stacked
- very low noise level

Main applications

- dewatering and drainage activities
- pumping bentonite and sludge
- pumping out sewage pits and cellars
- in situations requiring suction and snoring
- emergency pump unit for fire service, water board and water purification
- pumping out surface water
- pumping out excavation pits and trenches

Notes

- casing doors can be locked
- fuel tank is built into an anti-pollution container with built-in oil separator
- hand pump for emptying the drip tray and motor oil is fitted inside
- the canopy
- noise emissions reduced to 54dB(A) at 7 metres distance entire casing is made of Sendzimir galvanized steel sheeting
Aboma+Keboma certification, EC-directive 2000/14/EG Lwa:79 dB

