

Mobile Pump Dahlewitz

Application market	Construction
Market segment	Canal & Well Renovation
Pumped medium	Wastewater
Pump product	Mobile Pump SuperBetsy
Country	Germany



Challenge

A large number of new companies settling in the "Dahlewitz" industrial estate, and the resulting increase in the corresponding catchment area made it necessary to expand the local wastewater collection station. A suitable pump solution was required as an interim solution for the temporary pumping of wastewater to the sewage treatment plant.

Solution

Construction of a temporary solution consisting of a total of three **SuperBetsy** mobile pump units with diesel drive and integrated Hidrostat Screw Centrifugal Pump. One unit type D 200-ESL was required for the basic load, two units type D 300-FHD additionally for peak loads. The temporary solution, including the necessary piping system, was designed as a steel pipeline with a nominal diameter of 500 millimetres, a total length of 250 meters and with three pipe bridges.

Benefits

Thanks to the clog-free Hidrostat Screw Centrifugal Pump with large free ball passage, a reliable and trouble-free one-to-one replacement for pumping wastewater is possible without any additional measures. The excellently soundproofed housing enables extremely quiet operation.

- High flexibility in the construction of temporary wastewater transport systems
- Complete solution for the provisional pumping arrangement from a single source

Quantity of units sold	3 pieces mobile Pumps SuperBetsy Type IPS D (Diesel drive)
Pump type	1 pcs. D 200-ESL with Screw Centrifugal Pump E08R-SLU 2 pcs. D 300-FHD with Screw Centrifugal Pump F10K-HD
Motor data	D 200-ESL – max. 43.7 kW / 1'800 rpm D 300-FHD – max. 55.4 kW / 1'720 rpm
Material combination	Cast iron pump body, Hidrohard wear parts and stainless-steel impeller (Pump)
Duty point	200-ESL – Flow : max. 193 litres per second / Head : max. 28 meters 300-FHD – Flow : max. 310 litres per second / Head : max. 33 meters
In operation since	from January to July 2021 (rental period)