

BACT-300-100A Batch and continuous mixing truck

1.Overview

BACT-300-100A Batch and continuous mixing truck is new equipment designed for continuous and batch mixing of high quality slurry, according to actual operating condition in oil field, The unit adopts North Benz 6 X4 chassis equipped with two hydraulic auxiliary jacks at each side, which can meet the requirements of mobility and weight bearing for a batch mixing job. The deck engine supplies power to whole mixing equipment, through driving the hydraulic system to power the three centrifugal pumps and agitators. The unit is mainly used in cementing jobs with high demand of slurry density.

2.General specification

Engine power: 300HP@2200 RPM

Mixing capacity: 0.3~2.3m³/min

Density range: 1.3~2.5g/cm³

Auto control precision: ± 0.02 g/cm³

Batch mixing tank volume: 2x50BBL/2x8 m³

Mixing tank volume: 8BBL/1.2 m³

Working ambient temperature: -20°C~+50°C

Overall dimension (mm): 10250 (L) x 2500 (W)x 4150 mm (H)

Net weight: 22000kg

Configuration

Chassis: North Benz 6X4 or 6X6

Engine: caterpillar C7 300HP@2200RPM

Gear box: Funk 59000 series

Hydraulic system: Eaton heavy close hydraulic system

Slurry recirculating pump: Serva RA56

Booster/transfer pump: Serva RA56

Mixing Water pump: Serva 4X3

Mixing system: high energy mixing system

Control system: ACM- III.1 auto density control system



3.Features

- Auxiliary hydraulic jacks meets demand for weight bearing.
- Continuous/batch mixing; manual/auto control.
- Utilize new high energy mixing technology. Slurry enters into batch mixing tank after mixed in high energy mixing system, and then average to ensure the stable quality of slurry.
- Adopt the international popular configuration 2x50BBL, and install large power agitator in each tank.
- High efficiency and water-saving semi-automatic batch mixing tank cleaning system.