

BACS-300-100A Batch and continuous cement mixing skid

1. Overview

Model BACS-300-100A batch and continuous mixing skid utilizes the ACM-III which is the latest in mixing and density control technology. It can realize batch mixing and continuous supplying the slurry to a cementing pumper.

2. Work process

1. Continuous mixing operation: deliver mixed slurry from mixing tank to triplex pump's suction directly via transfer pump of cementing equipment.
2. Batch mixing operation: deliver mixed slurry from mixing tank to the two batch mixing tanks alternately, to realize batch mixing and continuous supplying.
3. Special slurry mixing: for special formula slurry (such as high density slurry), it can use the regular density slurry as the basic fluid, add weight additive through hopper on the top of unit, and then recirculate it in unit via recirculating pump.

3. General specification

Engine power: 300HP@2200 RPM

Mixing Capability: 0.3-2.3m³/min

Density range: 1.3-2.5g/cm³

Auto control precision: +/-0.02 g/cm³

Batch mixing tank volume: 2x50BBL/2x8m³

Mixing tank volume: 8BBL/1.2m³

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

Overall dimension: 7850 (L) x 2500(W) x 3150 mm(H)

Net weight: 11500kg



Configuration

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 system

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

4. Features

- Continuous/batch mixing; manual/auto control.
- Utilizes new high energy mixing technology. Slurry enters into batch mixing tank via high energy mixing system and then average to ensure the stable quality of slurry.
- Adopts the international popular configuration 2x50BBL, and install large power agitator in each tank.
- Equipped with anti-impact and lifting frame, for easy transporting and hoisting.
- High efficiency and water-saving semi-automatic tank cleaning system.