

ACS-III-180 Auto density control mixing skid

1. Overview

ACS-III-180 Auto density control mixing skid is a new generation cementing mixing unit with many advanced features.

The core parts of ACM-III adopt the newest mixing and density control technology, which divide the mixing tank into mixing tub and averaging tub for advantages of more accuracy and promptness. At the same time it can increase the holding time in average tank to make the slurry more evenly.

2. General specification

Engine power: 180HP@2500RPM

Mixing capacity: 0.3-2.0 m³/min

Mixing tank volume: 1.2 m³

Averging tank volume: 1.2m³

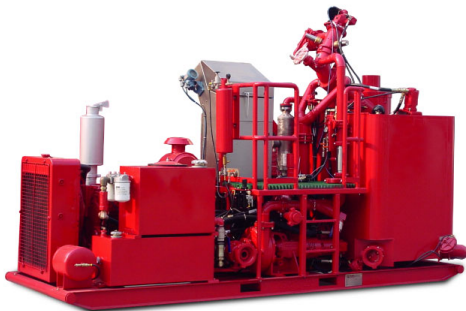
Density range: 1.3-2.5 g/cm³

Auto control precision: ± 0.02 g/cm³

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

Overall dimension (mm): 4000(L) x 1400(W) x 2860(H)

Net weight: 3,500kg



Configuration

Engine: Cummins6BT5.9A 180HP@2500RPM

Hydraulic system: Eaton Heavy close-loop hydraulic system

Slurry Recirculation pump: Serva RA56

Mixing Water pump: Serva RB23

Mixing system: high energy mixing system

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

Mixing tank volume: 1.2 m³

Average tank volume: 1.2 m³

Optional configuration

Engine: Cummins QSBC185 185HP@2500RPM or Caterpillar C7 300HP@2200RPM

Measuring water tank: 2X10 BBL or 2X1.5 m³

Control System: ACM-IV.1

3. Features

- Utilize advanced high energy mixing technology. By the first mixing in high energy mixer, recirculating between recirculation pump and mixing tank, and blending of agitators, it can ensure the stable quality of slurry.
- The mixing tank is divided into two parts: mixing tub and averaging tub so as to improve the slurry's quality effectively and keep slurry density stable continuously.
- New off-center dry cement valve avoids bulk cement from choking.
- F300 non-radioactive densitometer is easy to wash, safe and reliable.
- Logical layout and compact structure, easy transporting and hoisting with forklift hole and lift pin.
- Friendly user interface and simple operation, suitable for working habits in oil field.