FALIZ PAJOUHESH PARS CO.



F3.C1

Truck mounted Batch Mixer unit

This truck mounted unit is designed for continuous and batch mixing of high quality slurry, according to actual operating condition in oilfield. This unit utilizes the auto density system which is the latest in mixing and density control technology. It can realize batch mixing and continuous supplying the slurry to a cementing pumper. The unit adopt with heavy duty 6x4 or 6x6 truck chassis equipped with outriggers 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 three centrifugal pumps and agitators.

Technical Specification

Overall Dimensions	10250 (L) x 2500 (W) x 4150 (H) mm
Net Weight	22000 kg
Working ambient temperature	-15°C ~ +55°C
Mixing Capability	0.3 ~ 2.3 m^3/min
Density range	1.3 ~ 2.5 g/cm^3
Auto Control Precision	± 0.02 g/cm^3
Batch mixing tank volume	2x 50 BBL
Mixing tank volume	8 BBL
Engine	Caterpillar C7 / 300 hp @ 2200 rpm
Pump drive	Funk 59000 series
Hydraulic system	Closed loop with heavy duty pumps & motors (Eaton/Parker/Metaris/Roquet)
Slurry recirculation pump	Serva 6x5x11
Booster / Transfer pump	Serva 6x5x11
Mixing water pump	Serva 4x3x13
Mixing System	High energy mixing injector
Control System	Auto density control system (it can be change to manual by operator)
Option	50BBL tanks can be designed in rounded or rectangular type

Operation #1 [Continuous mixing]: deliver mixed slurry from mixing tank to triplex pump's suction directly via transfer pump of cementing equipment.

Operation #2 [Batch mixing]: deliver mixed slurry from mixing tank to the two batch mixing tanks alternately, to realize batch mixing and continuous supplying.

Operation #3 [Special slurry mixing]: 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.

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