## PCS-421B Auto density control double pump cementing skid

## 1 Overview

Model PCS-421B is an integral skid mounted mixing and pumping unit which is state-of-the-art in continuous mixing and density

It mainly consists of skid frame, two engines, two transmissions, two TPA400 triplex pumps, hydraulic system, nigh and low pressure system and ACM auto mixing system. The High energy mixing system is powered from two transmissions PTO. The entire skid is very compact and applicable for offshore drilling platform.

This unit is mainly utilized in cementing job, acidizing job, oil well pressure testing, and other fluid pumping job in offshore, on land or desert oil field.

## 2.General specification

Max. working pressure: 69MPa (w/ 3 3/4" fluid end)

Max. flow: 3.28m3/min(w/two 5" fluid ends) Density range: 1.3~2.5g/cm3

Auto control precision: ±0.02 g/cm3 Mixing capacity:0.3~2.3m3/min Working temperature: -20°C ~ 50°C

Overall dimension (mm): 7400(L) x2500(W) x3265(H)

Net weight: 20000kg

## 3.Features

- · High energy recirculating jet mixing system.
- · Off-center dry cement valve avoids bulk cement from choking.
- · Emergency kill system of air inlet shutoff.
- Plunger pump overpressure protection system.
- · SPS non-leakage packing system.
- Emergency mixing system.
- F300 Non-radioactive densitometer, easy to wash, safe and reliable.
- · Simplify operation, adapts to working habits in oilfield.
- 10" operation screen, convenient to monitor and input the working data.
- Portable wireless / wired data acquisition system available.
- Engine auxiliary cold start, pneumatic or hydraulic start available.
- Fan radiator or sea water heat exchanger are available.
- C7 auxiliary power unit is available. • ZONE-II Explosion-proof kit is available for application to hazardous areas.



