



## SERVAcementing® PCS-521B Auto Density Control Double Pump Cementing Skid

### GENERAL SPECIFICATIONS

Weight.....21t  
 Dimension....23.6 ft (L) x 8 ft (W) x 11 ft (H)  
 Max.Pressure.....11,000 psi (with 4 1/2" fluid end)  
 Max.Flow.....19.2 bpm (w/2 5"fluid end)  
 Density Range..... 8.32-22.5 ppg ± 0.2 ppg  
 Mixing Capacity..... 0 ~ 12.6 bpm  
 Working Temp.....-30°C ~ 50°C  
 Working Time..... >2 hours (under max.press); >3 hours (under max.flow)

### CONFIGURATION

Main Engine.....Caterpillar C13 475hp@2100rpm (2 sets)  
 Transmission..... Allison 4700 OFS (5 forward+neutral)(2 sets)  
 Hydraulics.....Transmission PTO driven, closed loop for c-pumps, open loop for agitators

### TRIPLEX PUMP

Model No.....SERVA TPH600 triplex pump  
 Stroke.....8" (203.2 mm)  
 Max. Brake Hp.....600 bhp (447kw)  
 Gear Ratio.....8.6:1  
 Fluid End.....4 1/2" 3 3/8" 4" 5" 6"  
 Max.Pressure.11,200 20,000 13,600 8,700 600  
 Max.Flow Rate.....9.6 5.4 7.6 11.9 17

### ACM®-III MIXING SYSTEM

Mixer Type.....High energy recirculation mixer  
 Recir/Trans Pump.....MISSION 4X3  
 Densitometer.....Micro motion 3" non-radioactive densitometer  
 Controls.....Allen Bradley programmable controller

### TANK VOLUMES:

Mixing Tub.....7.5 bbl (1.2 m3)  
 Fuel tank.....238 gals  
 Displacement.....2x10 bbl (2x1.5 m3)  
 Lube tank.....2 X 45 gals  
 Air tank.....20 gals

### OPTIONS:

1. Engine: Detroit Diesel s60 475 hp@2100rpm
2. Radiator and fan cooling system  
Sea Water cooling system
3. ACM®-IV density control system (ACM®-III + tub level control)  
ACM®-V density control system
4. Auxiliary hydraulic power pack  
Engine: CAT C7(300hp@2200rpm)  
Weight: 2.4t  
Dimensions: 9 ft.X 4 ft. X 6 ft.

### KEY FEATURES:

Continuous high energy mixing  
 Auto density control  
 Air inlet shutoff  
 Overpressure shutdown  
 SPS packing system  
 Non-radioactive densitometer  
 Stainless steel console  
 Engraved Stainless steel panel  
 Dual scale gauges  
 Remote monitoring and data record system available  
 Cold start aid, air starter, hydraulic starter on request  
 Integral high pressure iron  
 PTO driven hydraulic system