



## SERVAcementing® PCT-621A Double Pump Cementing Truck

### GENERAL SPECIFICATIONS

Weight..... 30 t  
 Dimension.....1450 mm(L) x 2600mm(W )  
 x4200 mm(H)  
 Max.Pressure .....14,100 PSI(100 MPa, 3" fluid  
 end) Or 10,400 PSI(70 MPa, 3 1/2" fluid end)  
 Max.Flow..... 3 m3/min(one 3" and one 4 1/2"  
 Fluid End) or 3.4 m3/min(one 3 1/2" and one 4  
 1/2" Fluid End)  
 Density Range.... 1.0 ~ 2.6 g/cm3±0.024 g/cm3  
 Mixing Capacity..... 0 ~ 14.5 BPM (0-2.3  
 m3/min)  
 Working Temp..... -30°C ~ 50°C  
 Working Time.....>2 hours (under  
 max.press); >3 hours (under max.flow)

### TECHNICAL SPECIFICATION

Truck Chassis Volvo FM440 6X6, left drive  
 Chassis Engine D13 or higher  
 Chassis Transmission VT2514B or higher, 14  
 forward+ 2 reverse gear  
 Deck Engine Caterpilla C13 475 HP@2100  
 RPM (2 sets)  
 Deck Transmission Allison 4700OFS (2sets, 5  
 forward + neutral gear)

### Hydraulic System

Chassis and deck transmission PTO driven,  
 closed loop for cpumps, open loop for agitators

### TRIPLEX PUMP

Model No. SERVApump TPB600  
 Stroke 6" (152.4mm)  
 Max Brake HP 600BHP (447Kw)  
 Gear Ratio 4.6:1  
 Fluid End 3" 3 1/2" 4" 4 1/2"  
 Working Pressure(psi) 14.140 10,000 7,958  
 6,290

Max. rate (gpm) 251 335 441 562

### SERVAacm®-III MIXING SYSTEM

Mixer High energy, recirculating jet mixer  
 Mixing Water Pump MISSION 4X3  
 Rec/Trans Pump SERVA RA56  
 Densitometer Micro Motion 3" non-radioactive

densitometer  
 Computer System AB industrial computer

### TANK VOLUMES

Mixing Tank 7 bbl Fuel Tank 82+142 gal  
 Averaging Tank 20 bbl Hydraulic Tank 90 gal  
 Displacement Tank 2X10 bbl Air Tank 20 gal

### KEY POINTS

Heavy-duty, desert type truck  
 Continuous High Energy Recirculating Mixing  
 system  
 SERVAacm® Auto Density Control  
 Air Inlet Shutoff  
 Overpressure Protection  
 Close-loop hydraulic system  
 SPS Packing System  
 Non-Radioactive Densitometer  
 Stainless Steel Console  
 Engraved Stainless Panel  
 Liquid-filled and Dual Scale Gauges  
 Remote Monitoring and Data Record System available  
 Two Triplex Pump back to back installation  
 Cold start aid, air or hydraulic starter on request  
 Integral iron used in high pressure manifold.

### APPLICATION

Utilizes for extreme climates from arctic to desert and  
 tropic conditions,  
 Utilies Pumping Cement, Brines, Acids, Pressure

### Testing And Well Testing

Meters Mixing Fluids  
 Mixing Cement Slurry  
 Picks Up Fluids From Remote Sources

### Options:

- 1.Deck Engine: Detroit S60 engine, 475HP@2100  
 RPM
- 2.Blower system and 1CM surge tank available.
- 3.SERVAacm®-IV, SERVAacm®-V density control  
 system available.