



SERVAcementing® PCT-521B Double Pump Cementing Truck

GENERAL SPECIFICATIONS

Weight.....33t
 Dimension.....11450 mm(L) X2600mm
 (W)X4200 mm(H)
 Max.Pressure.....14,000 psi (with 4" fluid end)
 Max.Flow..... 14,000 psi (96.5 MPa, 4"
 fluid end or 11,200 psi (76 MPa, 4 1/2" fluid
 end)
 Max. Flow2.7 m3/min (one 4" and
 one 4 1/2" Fluid End) or 3.0 m3/min (two 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.
 Pressure or >3 hours (Under Max. Flow)

CONFIGURATION

Main Engine.....Caterpillar C13
 475hp@2100rpm (2 sets)
 Transmission..... Allision 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 TPH400 triplex pump
 Stroke.....8" (203.2 mm)
 Max. Brake Hp.....600 bhp (447kw)
 Gear Ratio.....8.6:1
 Fluid End.....4" or 4 1/2"
 Max.Pressure.....14,000 or 11,200
 Max.Flow Rate.....7.6 or 9.6

SERVAacm®-III MIXING SYSTEM

Mixer Type.....High energy recirculation mixer
 Recir/Trans Pump.....SERVA RA56
 Mixing Water Pump.....Mission 4x3
 Densitometer.....Micro motion 3" non-
 radioactive densitometer
 Controls.....Allen Bradley programmable controller

CHASSIS INFORMATION

Truck Chassis.....Volvo FM440 6x6, left drive
 Chassis engine.....D13 or higher
 Transmission.....VT2514B or higher, 14 forward
 2 reverse gear
 Deck Engine.....Caterpillar C13 475 hp.
 Deck Transmission.....Allision 4700OFS

TANK VOLUMES:

Mixing Tub.....10 bbl
 Fuel tank.....82+142 gal
 Displacement.....2x10 bbl (2x1.5 m3)
 Hydraulic tank.....90 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