



SERVAcementing® PCTLR-621A Auto Density Control Double Pump Cementing Trailer

GENERAL SPECIFICATIONS

Weight.....24.2 t (54,000 lbs)
 Overall Dimension..... 36.9 ft (L) x 8.2 ft (W) x 13.5 ft (H)
 Max.Pressure.....15,000 psi (with 3" fluid end)
 Max.Flow.....26.4 bpm (w/2 4 1/2"fluid end)
 Density Range..... 8.32-22.5 ppg ± 0.2 ppg
 Mixing Capacity..... 0 ~ 12.6 bpm
 Working Temp.....-30°C ~ 50°C
 Humidity.....< 90°C
 Vibration.....1 g
 Working Time >2 hours (under max.press);
 >3 hours (under max.flow)

Trailer Chassis

King Pin.....2" (50)
 Tire..... 11.00-20
 Height of Saddle.....1390mm
 Support Legs.....JOST
 5th Wheel Plate Height without load.....54.7"
 Axle..... bpw 14010 (2EA)
 Wheel base.....51.2"
 Deck Engine..Caterpillar C13 475hp@2100rpm (2EA)
 Aux. Engine.....Caterpillar C7 300hp@2200rpm (1EA)
 Transmission..... Allision 4700 OFS (5 Forward+neutral) (2EA)
 Hydraulics Auxiliary...engine driven closed loop for c-pumps, open loop for agitators

TRIPLEX PUMP

Model.....SERVA TPB600
 Stroke.....6" (152.4mm)
 Max. Hp.....600 bhp (447Kw)
 Gear Ratio.....4.6:1
 Fluid End.....3" 3.5" 4" 4.5"
 Work Pressure (psi).....14,140 10,000 7,958 6,290
 Max.Rate (gpm).....251 335 441 562

SERVAacm®-III MIXING SYSTEM

Mixer.....High energy recirculation mixer

Water Pump.....MISSION 4X3
 Recir/Boost C-Pumps.....SERVA RA56
 Densitometer.....Micro motion 3" non-radioactive densitometer
 Controls.....Allen Bradley programmable controller
Tank Volumes
 Mixing Tub.....7 bbl
 Fuel tank.....196 gals
 Disp. Tank..... 2x10 bbl (2x1.5 m3)
 Hyd. Tank.....2x45 gals
 Air tank.....20 gals
 Averaging Tank.....20 bbl

Key Points

- 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
- Two Triplex pumps back to back
- Dual scale gauges
- Remote monitoring and data record system available
- Cold start aid, air starter, hydraulic starter on request
- Integral high pressure iron
- Auxiliary power pack

APPLICATIONS

- Pumping cement, brines, acids
- Pressure testing and well testing
- Metering mixing fluids
- Mixing cement slurry

Options:

- 1.Engine: Detroit diesel S60 475hp@2100rpm
- 2.ACM®-IV density control system (ACM®-III + tub level control)
3. ACM®-V density control system