



SERVAcementing® PCS-611A Single Pump Cementing Skid

GENERAL SPECIFICATIONS

Weight.....11 t
 Dimension.....22 ft (L) x 7.5 ft (W) x 10 ft (H)
 Max.Pressure.....15,000 psi (with 3" fluid end)
 Max.Flow.....13 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
 Working Time..... >2 hours (under max.press); >3 hours (under max.flow)

CONFIGURATION

Main Engine.....Caterpillar C13 475hp@2100rpm
 Auxiliary Engine.....Cummins 6BT5.9A 180hp@2500rpm
 Transmission..... Allision 4700 OFS (5 forward+neutral)(2 sets)
 Hydraulics.....Auxiliary Engine driven, open loop hydraulic system for c-pumps and agitators

TRIPLEX PUMP

Model No.....SERVA TPD600
 Stroke.....6" (152.4 mm)
 Max. Brake Hp.....600 bhp (447kw)
 Gear Ratio.....4.6:1
 Fluid End.....3" 3 1/2" 4" 4 1/2"
 Max.Pressure.....14,140 10,000 7,958 6,290
 Max.Flow Rate.....251 gpm 335 gpm 441 gpm 562 gpm

ACM®-III MIXING SYSTEM

Mixer Type.....High energy recirculation mixer
 Dry Cement Valve.....Off-center linear cement metering valve
 Water Pump.....RB23
 Recirculating Boost C-Pump.....SERVA RA56 and SERVA RA45

Densitometer.....Micro motion 3" non-radioactive densitometer
 Controls.....Allen Bradley programmable controller

TANK VOLUMES:

Mixing Tub.....14 bbl
 Fuel tank..... 87 gals
 Lube Tank.....13.2 bbl
 Displacement.....2x10 bbl (2x1.5 m3)
 Hydraulic tank.....80 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)
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
 Long pump, easy packing replacement and maintenance