



SERVAcementing® PCT-711A Cementing Truck

Major Components

Engine: C-15 500 500 hp
 Transmission: Allison World 4700 OFS 7-Spd W/O Ret with PTO
 Radiator: Export 1520 square inches cross flow
 Air Compressor: Bendix 16.5 CFM, TuFlo 750
 Air Cleaner: Dual 13 in
 Batteries: 4 PACCAR GP31 threaded post (700)
 Starter: PACCAR starter 12-volt Electrical system
 Front Axle: 20,000 lbs. Dana Spicer EFA-20F4
 Front Brakes: 16-1/2x6 in. 22,000 lbs. Bendix ES
 Rear Axle: Dual Rear Axle 58,000 lbs. Meritor RT58-380

Power End

Type: Single acting Triplex
 Configuration: Horizontal in line
 Stoke: 6" (152.4 mm)
 Maximum Rod Load: 100,000 lb (45,360 kg)
 Maximum input Horse Power: 600 BHP (447 Kw)

Gear box

Ratio: 4.61:1
 Maximum input RPM: 2100 RPM
 Rated Horse Power: 600 HP
 Coupling: Spicer 1800 series drive flange

Hydraulic System

6 inch x 5 inch Recirculating centrifugal pump
 5 inch x 4 inch Boost centrifugal pump
 3 inch x 2 inch Mixing water centrifugal pump.
 Mixing Tub Agitator
 Averaging tank agitator
 Automatic Cement Mixing (ACM) power for Metering Valve actuator
 Tub level, E&H guided radar probe

Mixing Centrifugal Pump

Suction: 76.2 (3 in) pipe size
 Discharge: 50.8 (2 in) pipe size
 Flow rate at 110 psi: 1.42 m³/min (8.9 bpm)
 Maximum closed-in pressure: 1.17 MPa (170 psi)

Recalculating Centrifugal Pump

Suction: 152 mm (6 in) pipe size
 Discharge: 127 mm (5 in) pipe size
 Max. Flow rate at 64 psi: 3.7 m³/min (23 bpm)
 Maximum closed-in pressure: 0.49 MPa (70 psi)

Boost Centrifugal Pump

Suction: 127 mm (5 in) pipe size
 Discharge: 102 mm (4 in) pipe size
 Flow rate at 64 psi: 2.55 m³/min (16 bpm)
 Maximum closed-in pressure: 0.27 MPa (40 psi)