

CPS 361

Cement pumping skid

APPLICATIONS

- High-pressure pumping
- Metering and pumping of mixing and displacement fluids
- Cement recirculation

ADVANTAGES

- Precise control of slurry density
- Mark III mixer from the range of SLURRY CHIEF* cement mixing equipment
- Nonradioactive densitometer
- Stainless steel displacement tanks
- Adjustable choke valve
- Optional solids fraction monitoring

The CPS 361* cement pumping skid provides high-pressure pumping services, delivering up to 500 hhp. The Advanced Cement Control (ACC) data acquisition and monitoring system enables precise control of slurry density.

This split skid with bulkhead has two 340-bhp electronic diesel engines and it can be supplied with a marine cooling kit. It features a pressurized packing lubrication system and a full selection of fluid ends.



CPS 361 cement pumping skid.

CPS 361 Skid Specifications

General

Model	Two Caterpillar® C9 wet manifolds
Capability	340 bhp [254 kW] at 2,100 rpm
Transmissions	Two Allison Transmission® 4700 OFS
Cooling system	Two onboard stainless steel radiators
Area classification	Rig-safe (air starting, air-intake shutoff valves, spark-arresting muffler, water-cooled exhaust manifold, and turbo)

Triplex Pumps

Front	Serva® TPB-600
Plunger diameter	3.5 in [89 mm]
Maximum pressure	10,000 psi [69 MPa]
Maximum pump rate	7.9 bbl/min [75 m³/h]
Rear	Serva TPB-600
Plunger diameter	4.5 in [114 mm]
Maximum pressure	6,300 psi [43 MPa]
Maximum pump rate	13 bbl/min [124 m³/h]

Slurry Mixing System

Model	CBS-393 mixing system with SLURRY CHIEF equipment Mark III mixer
Volume capacity	6-bbl mixing tub and 18-bbl averaging tank per mixer
Maximum mixing rate	60 sacks dry cement/min [2,560 kg/min]

Other

Discharge manifold	15,000-psi [103-MPa] maximum working pressure
Displacement tanks	2 × 10 bbl [1.59 m³], stainless steel 316
Emissions compliance	US Environmental Protection Agency (EPA) Nonroad Tier 3/European Nonroad Stage IIIA/International Maritime Organization (IMO) Tier 1

Optional

Marine cooling	Two marine coolers to replace standard onboard radiators
Flow rate	2 × 100 galUS/min [378.5 L/min]
Flow resistance	10 psi/galUS [18.2 kPa/L]

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