

CPS-665

Offshore cement-pumping skid

APPLICATIONS

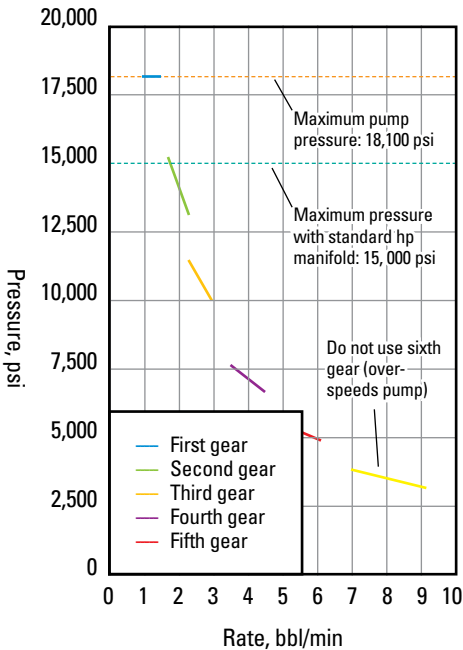
- High-pressure pumping
- Meters and pumps mixing and displacement fluids
- Recirculating cement

FEATURES

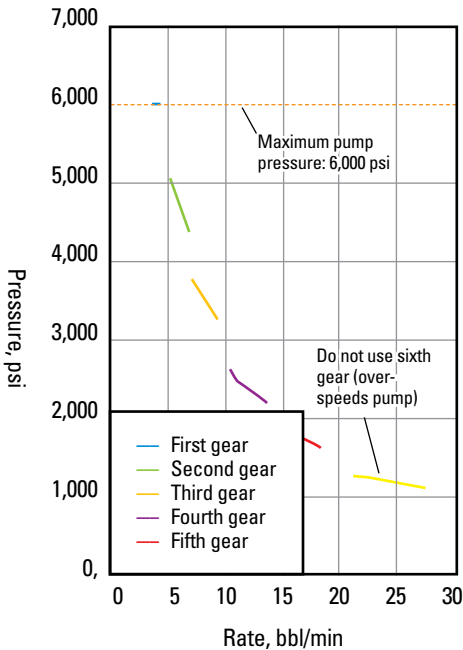
- Full system redundancies
- Direct-driven mixing pumps for improved reliability and efficiency
- Mark III SLURRY CHIEF* cement mixer with CBS-393
- Nonradioactive densitometer
- Advanced Cement Control (ACC) system
- Stainless steel displacement tanks
- Split skid with bullhead
- Full selection of fluid ends
- Pressurized packing lube systems
- Solids fraction monitoring
- Adjustable choke valve
- Temporary replacement for mud pump
- Compliance with Zone 2 hazardous area regulation
- ABS-CDS certification



The CPS-665 cement-pumping skid was designed for offshore high-pressure pumping services, delivering up to 1,400 hhp. Two 860-horsepower Caterpillar® diesel engines power the unit. A remote radiator package is standard. The skid’s split design with bulkhead allows installation of a soundproof wall. The skid is also equipped with the ACC data acquisition and monitoring system, which allows for precise control of slurry density.



Gardner Denver® GD-1250 performance curve (3.75-in plungers).



Gardner Denver GD-1250 performance curve (6.5-in plungers).

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Specifications

General

Engines	Two Caterpillar® 3412
Capability	632 kW [860 bhp] at 2,100 rpm
Transmissions	Two Allison® S6600
Cooling systems	Two remote radiators (optional marine cooling system)

Triplex pumps

Front	Gardner Denver GD-1250
Plunger diameter	95 mm [3.75 in]
Maximum pressure	1,248 bar [18,100 psi]
Maximum pump rate	59 m ³ /h [6.18 bbl/min]
Rear	Gardner Denver GD-1250
Plunger diameter	165 mm [6.5 in]
Maximum pressure	414 bar [6,000 psi]
Maximum pump rate	175 m ³ /h [18.3 bbl/min]

Slurry mixing system

Model	CBS-393 mixing system with Mark III SLURRY CHIEF mixer
Volume capacity	6-bbl [0.72 m ³] mixing tub and 18-bbl [2.15 m ³] averaging tank per mixer
Maximum mixing rate	2,560 kg/min [60 sack dry cement/min]

Other

Discharge manifold	1,034-bar [15,000-psi] maximum working pressure
Displacement tanks	2 × 10–bbl [2 × 1,590–L] stainless steel 316
Compliances	IMO Tier 1 Hazardous area Zone 2
Certification	ABS-CDS

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