



# DPC-1080 DOUBLE PUMP CEMENTER

## DPC-1080 DOUBLE PUMP CEMENTER

The new line of high-performance cementing equipment from Taylor Industries provides operators with innovative solutions for their cementing equipment needs. Our flagship DPC-1080 features twin 540 hp. power plants, state-of-the-art automation systems, redundant mixing technology and a wide variety of customer selected options. These features make our line of cementing equipment a smart choice for operators looking for maximum design flexibility, outstanding in-field performance and superior aftermarket support.

### WEIGHT & DIMENSIONS

**Cementer**  
Gross Weight w/o iron, dry.....61,500 lbs  
Tractor weight.....15,000 lbs  
Gross weight w/ tractor w/o iron.....77,000lbs

**Dimensions**  
Length, Overall.....49 ft (14.93 m)  
Width.....102 in (2.54 m)  
Height.....14 ft (4.26) to top of head

**POWER SYSTEM**  
Engine.....(2) Caterpillar C15  
Horsepower.....540HP @ 2100RPM

**Transmission**  
Model.....(2) Allison 4700 OFS  
Output Flange.....1810 Series

**HIGH PRESSURE PUMPS**  
Triplex Pumps Model.....(2) SPM TWS600S  
Max Input Brake HP.....447 kW (600HP/Each)

**Pressure rating:**.....  
(3.5 in) Dia plunger, 88.9 mm, 71.2 MPa (10,400 psi)

**Flow Rate:**.....  
(3.5 in) Dia @ 10,400 psi: .16 m<sup>3</sup>/min (1.0 bpm)

**Pressure rating:**.....  
(4.5 in) Dia Plunger 114.3 mm: 43.4 MPa (6,290 psi)

**Flow Rate:**.....  
(4.5 in) Dia @ 6,290 psi: .26 m<sup>3</sup>/min (1.7 bpm)

### POWER END LUBRICATION SYSTEM

Pump.....18GPM  
Required Plumbing & Hoses  
Heat Exchanger

### PLUNGER PACKING LUBRICATION SYSTEM

Grease Pump.....Graco G3 (Auto)

### FLUID DISPLACEMENT TANK

Compartments(2) 10bbl, 1.59 M<sup>3</sup>/each  
Full Capacity.....25 bbl.  
Working Volume.....20 bbl.

### CEMENT MIXING SYSTEM

Mixing Capacity Range...(14.4bpm), 0 – 2.3m<sup>3</sup>/min  
Density Range.....(8.33-22 lb/gal), 1.0 – 2.7 g/cm<sup>3</sup>

### MIXING CENTRIFUGAL PUMP

Pump.....4x3  
Flow Rate @ 110 psi.....(10.4bpm), 1.65 m<sup>3</sup>/min  
Max closed-in Pressure(170 psi), 1.17 MPa

### RE-CIRCULATING CENTRIFUGAL PUMP

Pump.....6x5  
Max Flow Rate @ 64 psi.....(23 bpm), 3.7 m<sup>3</sup>/min  
Max closed-in Pressure.....(70psi), 0.49 MPa

### BOOST CENTRIFUGAL PUMP

Pump.....6x5  
Flow Rate @ 64 psi.....(23bpm), 3.7m<sup>3</sup>/min  
Max closed-in Pressure.....(70psi), 0.49 MPa

### CONTROL SYSTEM

Type.....Manual & Auto Available

### Performance

Mixing Capacity.....(0-14.5 bpm), 0-2.3m<sup>3</sup>/min  
Density Range.....(22ppg), 1-2.6g/cm<sup>3</sup>  
Density Control Accuracy.....±0.024g/cm<sup>3</sup>  
Densitometer3" Micromotion non-radioactive flow meter

### HYDRAULIC POWER SUPPLY

Engine.....CAT C7  
Horsepower.....300HP @ 2200RPM

### HIGH PRESSURE DISCHARGE

Connectors/Piping.....2" Fig 1502  
Working Pressure.....(Exhaust Manifold & Union)  
.....(15,000 psi), 105 MPa  
Working Pressure.....(Plug Valve & Relief Valve)  
.....(15,000 psi), 105 MPa

### UNIT OPTIONS

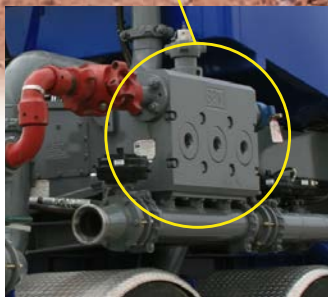
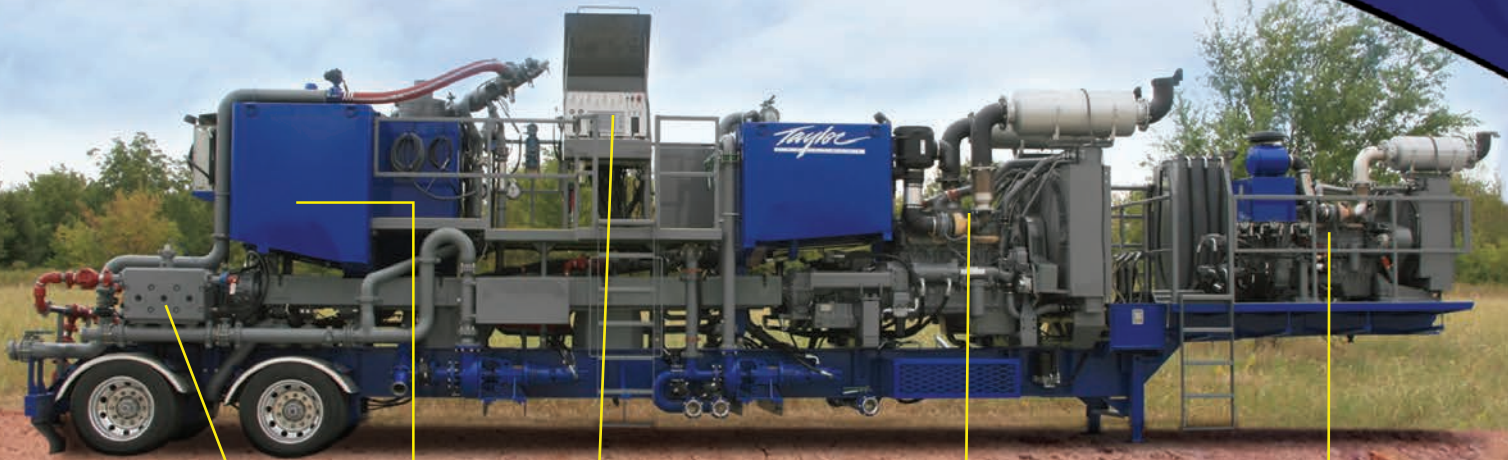
Stand-By Mix Pump  
Down Hole Densitometer  
Custom Iron Packages  
Zinc Paint

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EXCEEDING EXPECTATIONS.

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Each unit comes equipped with two Triplex pumps that are good for high pressure well service. Designed to pump cement slurries, sand-laden fluids, crude oil, acids, mud and other well servicing fluids.



A custom built operators console is made of a steel cabinet with a protective stainless steel cover. Designed specifically for optimal view of various instruments and gauges on the console.



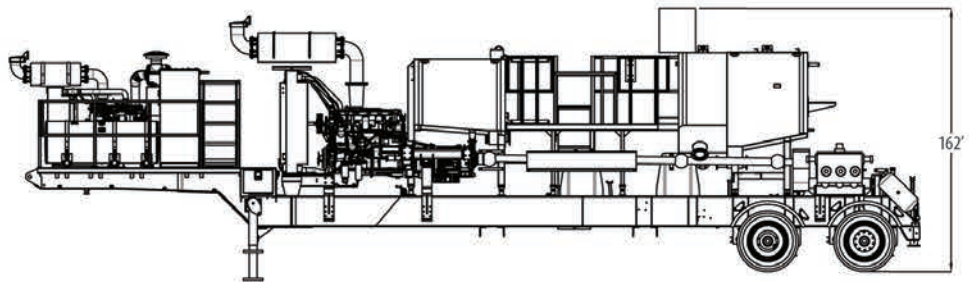
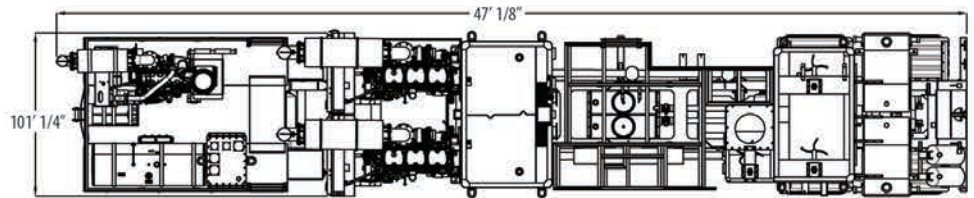
Two Cat C-15 engines rated at 540 HP drive two high-pressure triplex pumps via automatic transmissions and flexible drivelines. Equipped with emergency kill for air intake shutdown and spark-arrest muffler.



The auxiliary power unit includes a Cat C-7 engine rated at 300 HP, gear box and hydraulic system. Power pack includes air compressor, starter and alternator.



The deep tub design of the 7bbl mixing tank allows excellent residence time for good mixing and averaging of density. The optional 20 bbl averaging tank provides additional flexibility and batch mix capabilities.



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INDUSTRIES

Call Taylor Industries today 877-266-7301,  
or visit our website: [www.taylorindustries.net](http://www.taylorindustries.net)

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