



# DRAGON

Make it happen.



# Cementer



## SPECIFICATIONS:

### MIXING AND PUMPING OPERATION COMPONENTS:

- Twin CAT C-15 Diesel Engines, 595 Hp with CX31-P600 Transmission
- CAT C-7 Diesel Engine, 275 HP with integral 4-Pad Funk PTO Drive
- (2) AXON HD500 Triplex Pumps
- High Energy Re-Circulating Jet Mixer and Diffuser
- 10 BBL Mixing Tank (2) sections with (2) Agitators
- 20 BBL Displacement Tank (2) 10 BBL sections (with markers)
- (2) Dragon 6 x 5 x 11 Centrifugal Pumps (Boost and Recirculation)
- (2) Dragon/Mission 3 x 4 Centrifugal Pumps (Mix Water and redundant)
- 3" Densitometer in the Re-Circ mixing line



## HYDRAULIC POWER COMPONENTS:

- CAT C-7 Diesel Engine, 275 Hp with integral 4-Pad Funk PTO Drive
- Air compressor, air tank and air system complete with air filter, air dryer, air-water separator and all necessary valves and hoses.
- (4) Sauer-Danfoss Series 90 Pumps (closed loop hydrostatic for C-Pumps)
- (4) Sauer-Danfoss Series 90 Hydraulic Motors (closed loop hydrostatic for C-Pumps)
- Sauer-Danfoss Series 45 Load Sense work function pump
- Sauer-Danfoss PLUS+1™ Electronic Controls (with Manual Back-up)
- Fine Tuning Flows with 3-turn Rheostats
- Hydraulic oil reservoir and hydraulic cooler

**DIMENSIONS:** Height – 13' (4 m), Length – 44' (13.4) Width – 8'-6" (2.6 m)

**HEAVY DUTY FRAME:** Single Drop Deck Tri-Axle Unit with Fifth Wheel towing arrangement.

## PUMPING SYSTEM DIESEL ENGINE:

Two CAT C15 diesel engines on the unit, each rated for 600 HP at 2100 rpm

**TRANSMISSION:** Installed on the rear of each engine is a Caterpillar CX31-P600 transmission.

**DRIVELINE:** Each Transmission is connected to the pump via a heavy duty drive line installed at an angle no greater than as specified by the manufacturer with a metal guard with suitable access points for greasing and maintenance of the yokes.

**FLUID HANDLING SYSTEM DISPLACEMENT TANKS:** Installed above the transmissions is a dual compartment tank with a capacity of 22 Barrels. The tanks are oriented so that the operator can view the entire tank volume from the operator's platform.

## MIXING TANK:

- High energy re-circulating mixer
- Bulk air separator (diffuser)
- Bulk cementing metering valve
- 10 BBL Steel Mixing tank with agitator and hydraulic motor, speed controlled
- (2) sections, Boost and Recirculate

**CONTROL PANEL:** Full control and storage deck with covered aluminum control panel.

## OPTIONAL EQUIPMENT:

- Density Control System, Tub level Control System, Absolute Density Measurement System, Data Acquisition Systems
- 130° F Cooling Package

Note: We have different options as to the pump based on customer specifications.



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