



# Sand Dragon Sand Delivery Unit



## SPECIFICATIONS:

- 3,000 & 4,000 cubic feet
- Four storage/transfer compartments
- Top access to each compartment w/rung ladder access into each
- 1/4" A36 Steel plate
- 5- 4" pneumatic fill pipes on each side
- Hydraulically operated bottom slide gate w/control valves
- 24" wide conveyor belt with 3" sides
- Two control centers, ground level and upper
- Two hydraulic landing gears
- Two 50 ton hydraulic screw jacks for rear elevation
- Hydraulically adjusted rear discharge boom
- John Deere 4045 series diesel engine
- 50 gallon fuel tank

- Engine mounted hydraulic pump drive with hydraulic piston pump
- Torque arm speed reducer with vane motor belt drive
- 120 gallon hydraulic tank with sight glass
- External catwalk w/tie-off
- Stairs and guardrails to OSHA specs

## DIMENSIONS 3000

- 13' 5" high
- 8" wide
- 58' long

## DIMENSIONS 4000

- 13' 5" high
- 11' wide
- 58' long



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## MAIN ENGINE:

- Detroit 14DL 630HP Tier II
- High capacity Cooling system
- 24 Volt start system or as required
- 24 Volt electrical system

## TRANSMISSION:

- Allison Automatic 6610 Manual LU Power-shift  
(No reverse)

## TRIPLEX PUMP:

- One SPM TWS600S pump
- Rated at 600 BHP
- 6" Stroke
- Reduction Gear 4.6:1
- Plunger lube oil tank with air regulator and control valve
- Power end lube oil pump driven from PTO mounted on Allison transmission
- Plunger size is to be determined by customer

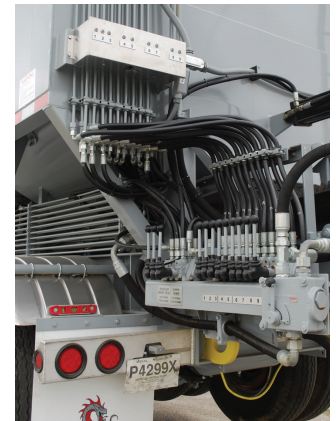


## DATA ACQUISITION EQUIPMENT:

Digital display console containing digital indicators displays the pump pressure, pumping rate, and total volumes pumped. An electronic assembly is included which performs the necessary zero and scaling controls for each of the signals as well as the circuitry that formats the signals for computer inputs.

## GAUGES AND CONTROLS:

- Data acquisition system components
- Engine oil pressure
- Engine water temperature
- Emergency kill
- Engine start/stop
- Engine throttle
- Engine tachometer
- Transmission shifter
- Triplex pressure gauge w/over-pressure shutdown
- Centrifugal pump speed control
- Centrifugal pump pressure
- Hydraulic Pressure Gauges
- Hydraulic temperature gauges
- Air pressure gauge
- Ammeter gauge
- Triplex lube oil pressure
- Triplex oil temperature
- Transmission oil pressure
- Transmission lock up indicator



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