



# DRAGON

## Mobile Blending Unit



This Blender is designed to integrate a slurry of water, sand, dry chemicals and liquid chemicals providing the desired fracturing components.

Maximum working Fluid Rate: 100 BPM (4200 GPM)

Maximum Discharge Pressure: 80-100PSI

Maximum Concentration: 10.8 PSA (@ 100 BPM)

Dimensions: (dimensions may change depending on chosen chassis)

Length with sand hopper up: 43'-3" (13.2m) down: 44'-11" (13.7m)

Width: 8'-1" (2.5m) • Height: 12'-4" (3.8m) • Weight: 55,000 lbs (24,950 kg)

### CHASSIS SPECIFICATIONS:

Steel rear dual axle fenders

Front & Rear oil-field bumper with tow loops

LED chassis lights and work lights

### POWER UNITS:

Road motor 550Hp with FABCO Transfer case

375 HP John Deere deck engine with (4) Pad Funk Drive & 100 Gallon Fuel Tank

### SUCTION/DISCHARGE PUMPS:

Gorman-Rupp 12 x 12 centrifugal pump (suction)

12" Suction Manifold with (12) 4" 206 male subs

8" Turbine flow-meter on suction

Mission 12 x 14 Centrifugal pump (Discharge)

12" Discharge Manifold with (12) 4" 206 female Subs

10" MAG meter on discharge with pre-fabricated blank to add a 10" turbine flow-meter



MOBBLEND100BPM • 8/14

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## HYDRAULIC SYSTEM:

Electronic Controls (with Manual Back-up) with 3-turn Rheostats for Fine Tuning Flows  
Custom Valve Blocks  
Hydraulic Auger Positioning System  
Hydraulic oil cooler with 160 gal Hydraulic oil reservoir  
Load-Sense hydraulic pump • Parker hoses

## BLENDING SYSTEM:

72" Mixing tub with impellor

## SAND DELIVERY SYSTEM:

Dual 12" hydraulically driven sand augers  
Single 6" hydraulically driven sand auger  
Large in-feed hopper

## DRY-ADD SYSTEM:

(2) Dry-add hoppers with 4" augers and jet mixers

Chemical-Add System: (Optional)

(2) 107 gal chemical tanks

(8) Chemical pumps (0-10 GPM) w/flow-meters

Transfer pump (0-10 GPM)

## CONTROL PANEL:

Single operator enclosure with heating and AC

Manual back-up hydraulic controls

Full control and storage deck

Air-actuated tub drain • Aluminum control panel



## GAUGES AND CONTROLS INCLUDE:

- Engine start/stop/throttle
- Engine display modules with hours and fault codes
- Engine oil pressure and coolant temperature gauges
- Auger speed controls
- Auger manual/control switches.
- Fine Tuning Flows with 3-turn Rheostats
- Four liquid chemical pump speed controls
- Four liquid chemical pump auto/manual selector switches
- Two dry chemical feeder speed control
- Two dry chemical pump auto/manual selector switches
- Tub paddle speed control
- Auger lift control
- Engine kill switches
- Light switches.
- Pressure gauges
- Hydraulic temperature gauge
- Suction / Discharge pump hydraulic pressure gauge
- Auger system hydraulic pressure gauge
- Suction / Discharge pump speed controls

## OPTIONAL EQUIPMENT:

Mounting Racks on Back Bumper

Wash down spray hose

Additional Hose Racks



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