

125E trailer mounted blender unit

Efficient stimulation performance

Applications

- Hydraulic fracturing operations
- Acid stimulation operations
- Sand control operations

Features

- Reliable and efficient mixing operation
- Baker Hughes automated mixing control system
- Automatic proportioning or manual control of all additives
- Three 14-in. nominal diameter sand screws
- Three 220 gallons totes for liquid chemical storage
- Open top 8 bbl horizontal mounted Hydropace tub for efficient mixing
- Automatic tub level control avoiding frac pump cavitation risk
- Three proppant delivery screws
- Two 500 HP deck engines
- Nuclear Densitometer downstream of the tub for precious mixing
- There is a tub bypass system on the blender
- Equipped with 4-in. manifold designed to bypass standard 8-in. manifold for low mixing rates.
- 380 gallons fuel capacity reducing refueling requirements and risks

The Baker Hughes 125E blender is a trailer mounted frac blender designed to efficiently blend and pump stimulation fluids at rates up to 125 bpm with clean water and up to 110 bpm with gelled fluids. The unit is configured with a patented Hydropace mixing tub design, which ensure complete and consistent blending of chemicals and slurry density. A combination of the kinetic energy of the incoming

fluid and a horizontally mounted set of mixing paddles blend the proppant, dry chemicals, and fracturing fluid into a consistent and homogeneous slurry. The 125E blender is equipped with Baker Hughes automated mixing system. The automated mixing system allows performing stair step or ramp fracturing jobs in either automatic or manual mode while proportioning all additive systems.

Technical properties

Dimensions	L 36 ft (11 m) X W 8 ft (2.4 m) X H 12.6 ft (3.8 m)
Discharge rate	10 to 120 bpm (clean water) 10 to 110 bpm (40 ppg LFC gel)
Liquid additive system rates*	0.1 to 5 gpm (max. RPM 550) 0.5 to 13.9 gpm (max. RPM 550)
Dry additive system rates	0.2 to 10 lbs/min (2-in. full pitch screw) 0.1 to 5 lbs/min (2-in. half pitch screw)
Proppant rate	300 lb/min (min.) up to 30,000 lbs/min (max.)
Supercharge pressure	90 psi @ 125 bpm

*The LAS listed above are standard with 125E blender and more LAS pumps can be installed based on operation requirement.

