

SSi Intelligent Gas Drive - Specifications

Intelligent Gas Powered Unit Operational Specifications

- Operates at 3000 PSI continuous and 3500 PSI intermittent
- Smart Speed Logic as standard
 - Load/Position or Pump Fillage Optimisation
- Independent speed control on the up/down strokes
 - Engine has four Speeds = 400 Speed Controls
- Identical Features as the Electrical HPU with Warnings and Alarms to help maintain manufacture specifications:
 - Pressure sensors
 - Level switches
 - SPM counters
 - Surface card/Down Hole Card
 - Over stroke dump valve
- Ability to adjust the RPM of the engine to help be more efficient when well becomes depleted
- Robust Skid
 - Has forklift pockets for ease of loading
 - Built with containment area for spills
 - Ability to be dragged through harsh terrain

Gas Engine Specifications

- 8.1 LT LPG Engine
- 250CC Sauer Danfoss pump
- Robust skid
- Built in PLC and HMI to help optimize unit
- **8.1 LT LPG Engine:**
 - NG (natural gas) = 194 BHP @ 1500 / 236 BHP @ 1800 RPM
 - LP (Liquefied Petroleum) = 137 BHP @ 1500 / 174 BHP @ 1800 RPM
- **Emissions @ 1800 RPM:**
 - BSCO = 0.53 g/KW-hr
 - BSCO₂ = 808 g/KW-hr
 - BSTHC = 0.09 g/KW-hr
 - BSNO_x = 0.01 g/KW-hr
 - BSTHC + Nox = 0.11 g/KW-hr
 - BSFC = 0.27 g/KW-hr