ACY-15 Diesel UG Loader

ACY-15 Diesel UG Loader is mainly used in underground mine, particularly for transporting excavated rock. It can also be used for the construction of railways, highways, water conservancy and other tunnel projects. It is particularly suitable for poor working conditions, narrow operating site, low ceiling, and muddy operating surface. This machine employs DEUTZ engine which is advanced in today's world. Its transmission system uses hydraulic torque converter and power-shift gearboxes provided by DANA. Braking system uses full-hydraulic two-line mechanism, and is deployed with multi-disk wet-type brake for safe and reliable operation in poor environments with high moisture content or on muddy roadways. It is designed with full hydraulic steering and manual control. The vehicle's hydraulic system mainly adopts the components provided by COMMERCIAL. The well-designed main frame structure and six-bar mechanism ensures ruggedness and high efficiency.

**Work Size**

**Capacity**
- Bucket Capacity: 1.5m³
- Empty Weight: 12,350kg
- Tramming Capacity: 3,000kg
- Breakout Force: 80kN

**Transmission System**
- Torque Converter: DANA C270
- Gearbox: DANA RT20000
- Axes: Mentor QY150B
- TIRES: 12.00—24 L-5S TT

**Hydraulic System**
- Steering System: Center Articulation, Hydraulic Steering
  - Turning Angle: ±36°
  - Steering Flow: 36.5 L/min
  - Steering Pressure: 14MPa
- Operating Flow: 130 L/min
- Operating Pressure: 14MPa
- Braking System: Hydraulic Brake
  - Braking Pressure: 16MPa
  - Braking Distance: 2m with fully load and speed in 8km/h

**Operating Capability**
- Max Traction: 100kN
- Static Tipping Capacity: 4,300kg

**Operating time**
- Raising: 5.6s
- Lowering: 4.2s
- Dump & Roll Back: 2.4s

**Speed**
- First Gear: 4.2km/h
- Second Gear: 8.3km/h
- Third Gear: 19.2km/h

**Engine**
- Model: DEUTZ F6L912W
- Output: 63kW/2300rpm
- Maximum Torque: 275Nm/1400rpm

**Driver Cab**
- ROPS/FOPS Certified, according SAE standard