

# 1、 Fracturing Equipment

## a、 Fracturing Truck (2000HHP, Four truck sets, SJ Petro.)



**2000HHP model fan chassis PTO(5 " plunger、 Triplex pump)**

Gears	Transmission Drive ratio	Strokes min <sup>-1</sup>	Flow L/min (bpm) )	Pressure Mpa (psi)
1	3.75	79	616 (3.87)	80.6 (11689)
2	2.69	111	858 (5.39)	80.6 (11689)
3	2.20	135	1049 (6.59)	80.6 (11689)
4	1.77	169	1304 (8.20)	68.6 (9470)
5	1.58	189	1461 (9.18)	61.3 (8455)
6	1.27	235	1818 (11.43)	49.2 (6802)
7	1.00	299	2309 (14.52)	38.8 (5351)

## **Technical configurations of power system“CATERPILLAR” 3512B diesel engine:**

- ★ Rated HP: 2250BHP
- ★ Rated RPM: 1900RPM
- ★ Rotation direction: anti-clockwise (face to flywheel end)
- ★ Cylinder diameter: 170.0 mm (6.69 in)
- ★ Strokes: 190.0 mm (7.48 in)
- ★ Displacement: 51.8 L (3, 160.84 cu in)
- ★ Compression ratio: 14.0:1
- ★ Minimum stable RPM without load: 600RPM
- ★ Cooling type: radiator, fan, close type cooling
- ★ Specific oil consumption: 1.4g/kw-hr
- ★ Air exhaust temperature(turbine front): 650°C
- ★ Air exhausting flow: 356m<sup>3</sup>/min
- ★ Starting mode: starting of hydraulic motor(2pcs)

**Basic components of power transmission system “ALLISON ”  
S9820M are as follows:**

Model: ALLISON S9820M hydraulic mechanical transmission

Maximum input HP: 1678kW(2250HP)

Maximum torque: 8271Nm

Maximum RPM: 2100r/min