1. Configuration

Engine

Manufacturer: Deutz
Type: F6L912W
Design: air cooled diesel engine two stage combustion
Max power: 65 KW/ 2300 rpm
Max torque: 275 Nm/ 1600 rpm
Air intake system: dry air filter
Exhaust system: silencer / exhaust gas catalyst
Transmission / Torque converter
Manufacturer: DANA
Type: 1201FT20321

Axle
Manufacturer: DANA
Type: 112
Design: rigid planetary axles with differential gear
Rear axle swing angle: 10 degree

Brake system
Design of service brake: multi disc brake
Design of parking brake: spring brake operated disc brake, hydraulically released

Hydraulic system
Front and rear is articulated
Number of steering cylinders: 2

Wheel and tires
Tires: 10.00-20-14
Rim: 8.0-20

2. Performance

Main dimensions
Length: 7790 mm
Width: 1800 mm
Height (above driver's canopy): 2260 mm
Payload: 1000 kgs
Wheelbase: 3420 mm
Track-width: 1530 mm
Min distance from ground: 260 mm
Inner clearance circle: 3800 mm
Outer clearance circle: 6000 mm/swing arm
Swing angle: ±10 degree
Steering angle: 38 degree
Max traction: 86 kN

Weights
Operating weight: 8000 kgs

Driving capacities
Maximum driving speed, laden forward / reverse, on a level roadway
1st gear: 0 to 4.8 km/h
2nd gear: 0 to 10.0 km/h
3rd gear: 0 to 22.0 km/h
Maximum admissible gradient: 25 % (14°)

3. Dimension of the Platform
Maximum operating height of the platform: 6000mm
Platform area: 1350 x 1400 (mm)
Max level swing angle of working arm: 30° (left and right each: 2.3m)
FAMS-5 Extension Boom Technical Data