

Aerial lift trailer unit



Articulated basket, electrically insulated. The articulated basket is hydraulically operated to be used to maintain the lampposts and telephone lines. The unit can be installed on a suitable trailer with a towing pin optional hydraulic components can be installed.

Boom :

- Articulating type which extends hydraulically through two double action hydraulic cylinders.
- Consists of two sections .
- The material of boom is adequate strengths ` (bearing, shearing, tensile, and compressive)

Basket :

- Payload: 250 Kg
- Basket dimensions: 110X60X100 cm
- Basic electric insulation: 10 KV
- Rotation 360° both directions.
 - The basket remains vertical at all times at all ladder positions

Control system :

- Two control units, one in the basket and one at the base.

Hydraulic system

- The hydraulic pump is operated via a P.T.O. from the vehicle's engine
- Hydraulic tank capacity: 60 lit equipped with a level indicator and strainer
- Hydraulic circuit is equipped with 10 micron hydraulic filter.

Safety Features:

- Hydraulic Cylinder are equipped with counter valve .
- Thermometer for the oil tank.
- Hand hydraulic pump to descent booms and retract outriggers in case of main pump failure.
- (Relief valve) in case of pressure increase.
- Basket equipped with safety belt.

Outriggers

- 4 hydraulic stability outriggers
Each outrigger operates individually

Optional:

- Diesel engine to run the pump
- Manual hydraulic pump for emergency use
- Single axle
- 4 tilted balancing outriggers
- Rotating turret
- AC Electric motor to operate the pump.
- Hydraulic outlet on the chassis.
- 12/24 DC electric motor to operate the pump
- Tool box on the sides of the trailer
- Sound alarm if pressure exceeds limit.
- Checkered steel floor.
- Safety valve on the cylinders
- Divert valve to secure the outriggers.
- Light system for night work.

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