

Adroit 641W

4x4 Scissor Lift

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Adroit 641W scissor lift is designed as a lifting and loading machine for tunnels and mines. It has four wheel drive system with front wheel steering and crab steering option. Powershift system provides high mobility during long distance drives and on rough terrains. The basket in the size of 3.8 m x 2.1 m has a bearing capacity of 3000 kg and can reach up to 4 meters height from ground surface. It offers an ideal solution for all works at height in tunnels and mines including without limitation ceiling reinforcement, explosives placing, pipelines, cable ducts, and ventilation installation works.

GENERAL SPECIFICATIONS

- > Reversing audible and visual warning system
- > Rear view camera
- > Handheld fire extinguisher
- > Eyebolts and towing hooks to use in loading and transporting the machine

DIMENSIONS AND WEIGHT

- > Length 6920 mm
- > Width 2300 mm
- > Height 2950 mm
- > Weight 8500 kg

PLATFORM

- > Dimensions : 3.8 m x 2.1m
- > Working height : 6 m
- > Lifting capacity : 3000 kg

OPERATOR CABIN

- > FOPS - ROPS level 2 certified closed operator cabin
- > Tempered glasses
- > Suspended and 180° pivoting seat
- > Retractable lap seat belt

ENGINE

- > Perkins 1104D - 44T 74.5 kW@2200 rpm
Diesel engine EU Stage 3A

TRANSMISSION

- > Powershift system : Dana T12000 transmission
- > 4 speed forward and 3 speed reverse
- > 4 wheel drive

AXLE SYSTEM

- > Planetary type Dana 211
- > Oscillating front axle $\pm 8^\circ$

TIRES

- > 12.5 / 80 - 18 size heavy duty tires, suitable for underground work

PERFORMANCE

- > Max. speed 30 km/h
- > Max. climb gradient 40%

BRAKE SYSTEM

- > Service brake: Hydraulically powered two circuit oil immersed multidisc brake in both axles
- > Parking brake: S.A.H.R fail safe brake
- > Brake systems test set-up in cabin

STEERING

- > Four wheel steering, crab steering, front wheel steering

FUEL SYSTEM

- > Tank capacity 200 L
- > Fuel hose securely fixed and isolated from the hot surfaces

HYDRAULIC SYSTEM

- > Tank capacity 120 L
- > Hydraulic filtration, fluid temperature and tank fluid level sensing and warning system

24VDC ELECTRICAL SYSTEM

- > Electrical components : IP65 and above protection grade
- > Battery 2 x 135 Ah
- > Led lighting lamps illuminating the movement direction
- > Led flashing beacon in amber colour

OPTIONAL COMPONENTS

- > Diesel engine fire suppression system
- > Catalytic converter with diesel particle filter
- > Air conditioner inside the cabin
- > Heated glasses and side-view mirrors
- > EU Stage 5 diesel engine

