

# Adroit MSC

## Multi Service Crane For Tunnels



Tünelmak MSC is a vehicle which has a crane system on the chassis, designed to transport and unload all kinds of precast panels, railway panels and any material that may be needed in work areas such as tunnels and channels where width and height are restricted. The machinery has 4x6 hydrostatic drive system equipped with an operator's cabin from both rear and front. Six wheel steering system offers front wheel control and crab steering.

### GENERAL SPECIFICATIONS

- > Crane and platform
- > Proportional boom control valve group with load sensing
- > Stabilizer cylinder and valve group
- > Radio remote control
- > Handheld fire extinguisher
- > Eyebolts and towing hooks to use in loading and transporting the machine
- > Water pump

### DIMENSIONS AND WEIGHT

- > Length 10765 mm
- > Width 2700 mm
- > Height 3700 mm
- > Weight 36000 kg

### OPERATOR CABIN

- > Two reinforced operator cabin in both direction
- > Tempered glasses
- > Suspended seat
- > Retractable lap seat belt

### ENGINE

- > Cummins QSB 6.7 164 kW@2200 rpm
- Diesel engine EU Stage 3A

### TRANSMISSION

- > Hydrostatic system : Dana 357 dropbox
- > 4 speed forward and 4 speed reverse
- > 4 wheel drive

### AXLE SYSTEM

- > Planetary type Dana 212
- > Oscillating axles  $\pm 8^\circ$

### TIRES

- > 405 / 70 - 24 size heavy duty tires, suitable for underground work

### PERFORMANCE

- > Max. speed 20 km/h

#### **BRAKE SYSTEM**

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

#### **STEERING**

- > Crab steering, six wheel steering, front wheel steering

#### **FUEL SYSTEM**

- > Tank capacity 300 L
- > Fuel hose securely fixed and isolated from the hot surfaces

#### **HYDRAULIC SYSTEM**

- > Tank capacity 320 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
- > Fire - resistant wiring

#### **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

#### **Adroit MSC** Multi Service Crane For Tunnels Dimensions of Vehicle

