

Adroit 618AW

4x4 Articulated Underground Personnel Carrying Vehicle



Adroit 618AW, which is designed for tunnels, mines and challenging field conditions, has made transport safer and faster in underground sites. 4x4 personnel carriers manufactured by considering the rough terrain conditions, have powershift transmission drive system on articulated chassis. It's available with fully-closed panel or glass-cab options. Although the standard carrying capacity of the vehicle is 16 + 2, this number can be decreased or increased depending on the demand of the user.

GENERAL SPECIFICATIONS

- > Led control panel showing fault, warning and driving info
- > Cameras and recording system
- > Passenger cabinet view camera
- > Reversing audible and visual warning system
- > Handheld fire extinguisher
- > 12VDC output inside the cabin for vehicle radio
- > Eyebolts and towing hooks to use in loading and transporting the machine

DIMENSIONS AND WEIGHT

- > Length 8000 mm
- > Width 2150 mm
- > Height 2490 mm
- > Weight of machine 11000 Kg

PERSONNEL CARRYING CABIN

- > 16 personnel carrying capacity
- > Suspended seats and retractable seat belts
- > Intercom
- > Air conditioner system

OPERATOR CABIN

- > FOPS - ROPS level 2 certified closed operator cabin
- > Air conditioner inside the cabin
- > Laminated and tempered glasses
- > Heated glasses and side-view mirrors
- > Washable cabin upholstery
- > 3 points contacted, non-slippery stairs
- > Emergency stop button inside the cabin
- > Operator seat
 - Suspended
 - Retractable seat belt
 - Sensor that activates the park brakes when the operator stand up

ENGINE

- > Deutz TCD 2013 L04 2V 129 kW / 2300 rpm
- > Diesel engine Euro Stage 3A
- > Engine / radiator fluid level warning

EXHAUST SYSTEM

- > Catalytic converter with diesel particle filter

TRANSMISSION

- > Powershift automatic transmission : Dana 24000 series
- > 3 speed forward and 3 speed reverse
- > 4 wheel drive

AXLE SYSTEM

- > Planetary type Dana 123
- > Oscillating front axle $\pm 8^\circ$

TIRES

- > 14.50 - 20 size heavy duty tires, suitable for underground work

PERFORMANCE

- > 1st gear : 6 km/h
- > 2nd gear : 12 km/h
- > 3rd gear : 25 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
- > Handbrake system on cardan shaft

FUEL SYSTEM

- > Tank capacity 140 L
- > Fuel hose securely fixed and isolated from the hot surfaces

HYDRAULIC SYSTEM

- > Tank capacity 135 L
- > Hydraulic filtration, fluid temperature and tank fluid level sensing and warning system
- > Central pressure control point for system pressure measurement

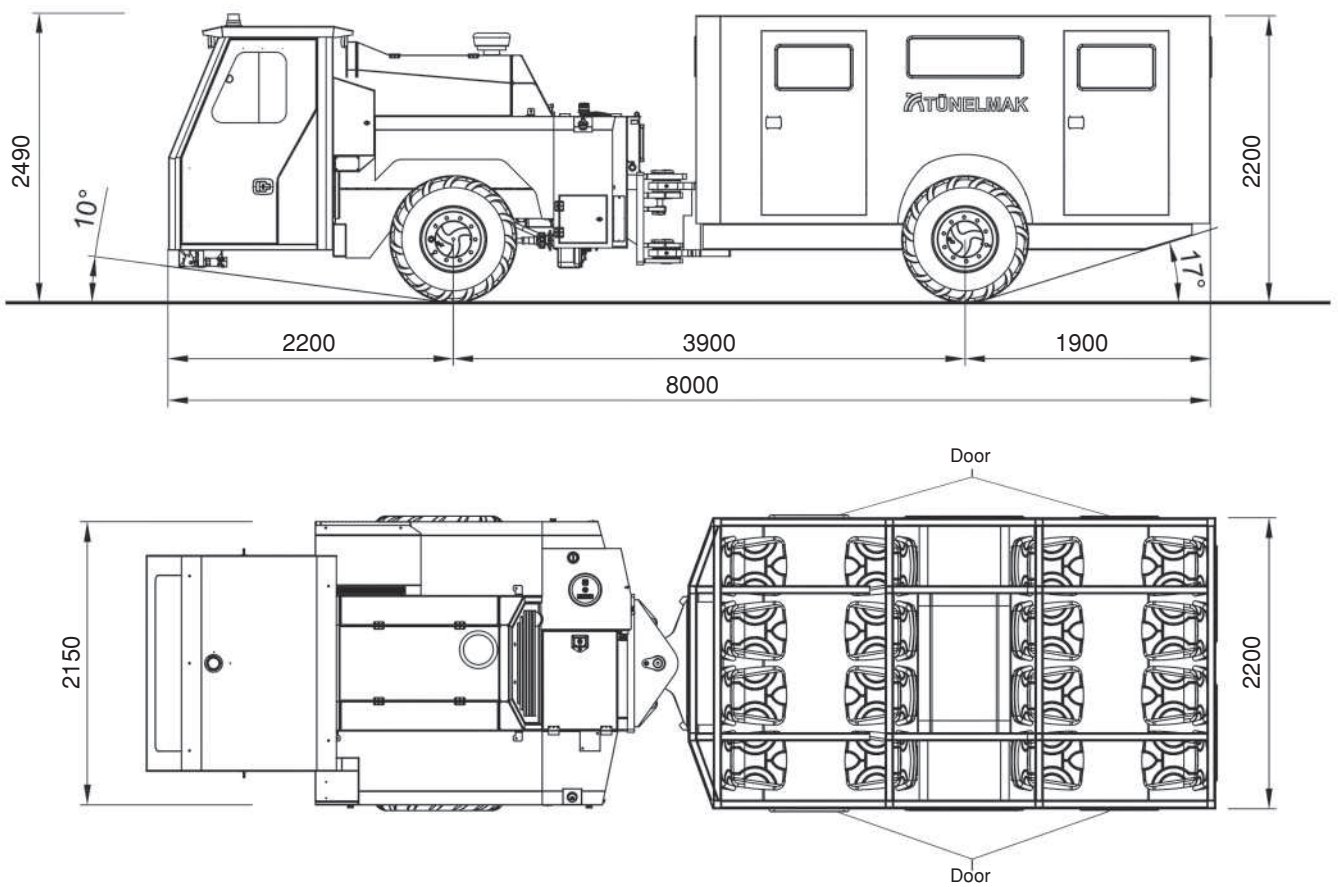
24VDC ELECTRICAL SYSTEM

- > 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

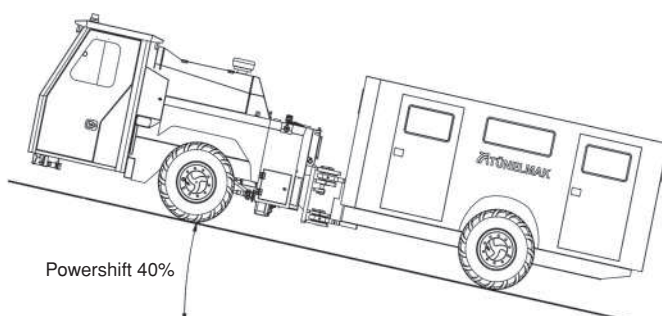
OPTIONAL COMPONENTS

- > Side view camera
- > Capacity can be upgraded to 32 persons
- > EU Stage 5 diesel engine
- > Diesel engine fire suppression system

Dimensions of Vehicle



Climbing Capacity



Turning Radius

