

# Adroit 407H

## 4x4 Concrete Transmixer



Adroit 407H is designed as a 4x4 off-road type transit mixer. Being produced for rough terrain and small diameter tunnels where concrete mixers aboard trucks do not have access. Adroit 407H offers ideal solution for concrete distribution within the construction site. Particularly, in construction sites with more than one concrete application point, it saves time and lowers operational costs by serving for concrete distribution between application sites. The rigid chassis has 4 wheel drive and 4 wheel steering.

Hydrostatic system allows user to have max. speed - max. torque by variable flow pump and hydromotor. According to road and land conditions, gear options can be chosen as fast or slow. Ideal choice for work sites where high speed performance is required and construction areas, which have difficult ground conditions.

### GENERAL SPECIFICATIONS

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

### CONCRETE DRUM

- > Double-cone drum with double-spiral mixing screws
- > Geometrical drum volume : 10.8 m<sup>3</sup>
- > Carrying capacity : 6.75 m<sup>3</sup>
- > Hydraulically driven and adjustable rotating speed
- > Adjustable drum discharge height
- > Hydraulically actuated ecological cover

### OPERATOR CABIN

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

### DIMENSIONS AND WEIGHT

- > Length 7000 mm
- > Width 2500 mm
- > Height 3300 mm
- > Weight 7800 kg

#### ADROIT 403W/H

- Capacity : 3 m<sup>3</sup>
- > Length 5500 mm
- > Width 2200 mm
- > Height 2900 mm

#### ADROIT 405W/H

- Capacity : 5 m<sup>3</sup>
- > Length 6500 mm
- > Width 2400 mm
- > Height 3000 mm

#### ADROIT 404W/H

- Capacity : 4 m<sup>3</sup>
- > Length 6000 mm
- > Width 2400 mm
- > Height 2900 mm

#### ADROIT 406H

- Capacity : 6 m<sup>3</sup>
- > Length 7000 mm
- > Width 2500 mm
- > Height 3200 mm

### ENGINE

- > Perkins 1104D - 44T 74.5 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 rear axle  $\pm 8^\circ$

### TIRES

- > 16 / 70 - 20 size heavy duty tires, suitable for underground work

### PERFORMANCE

- > Max. speed 20 km/h
- > Max. climb gradient 25%

### 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 130 L
- > Fuel hose securely fixed and isolated from the hot surfaces

### HYDRAULIC SYSTEM

- > Tank capacity 100 L
- > Hydraulic filtration, fluid temperature and tank fluid level sensing and warning system

### HIGH PRESSURE WATER WASHER

- > Water pump 14 L/min.
- > Max. water pressure 200 bar
- > Hose length 10 m
- > Tank capacity 500 L

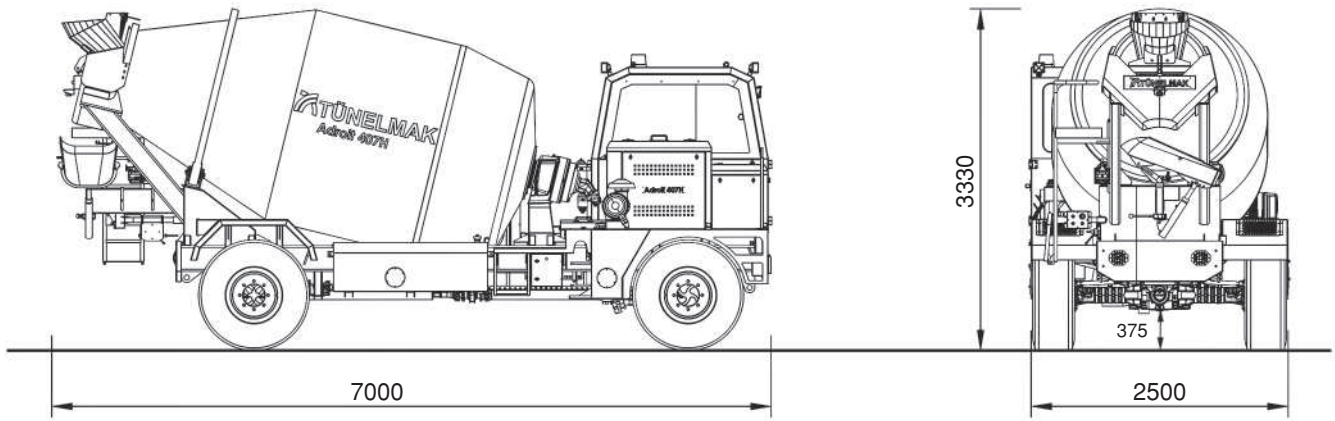
### 24VDC ELECTRICAL SYSTEM

- > 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

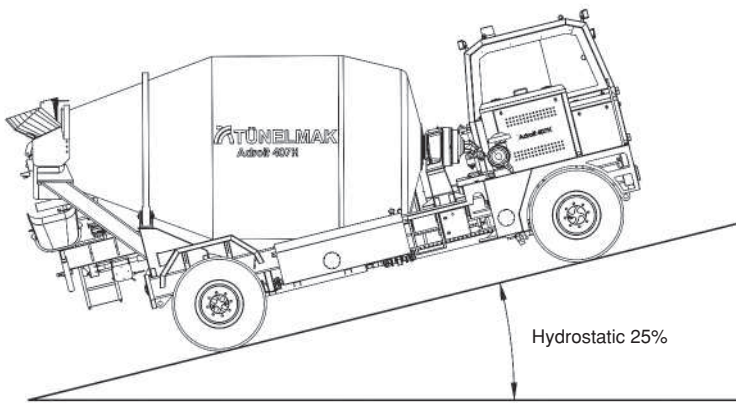
### OPTIONAL COMPONENTS

- > EU Stage 5 diesel engine
- > Perkins 904J - E36TA 74,5 kW@2200 rpm
- > Diesel engine fire suppression system
- > Catalytic converter with diesel particle filter
- > Form oil system
- > Air conditioner inside the cabin
- > Heated glasses and side-view mirrors
- > It can be produced in different capacities (3 m<sup>3</sup>, 4 m<sup>3</sup>, 5 m<sup>3</sup> and 6 m<sup>3</sup>) according to the need

**Adroit 407H** 4x4 Concrete Transmixer  
Dimensions of Vehicle



**Climbing Capacity**

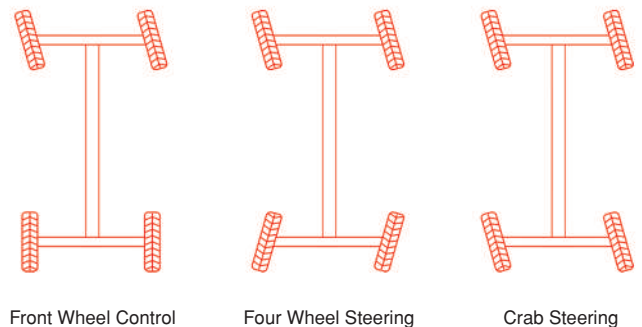
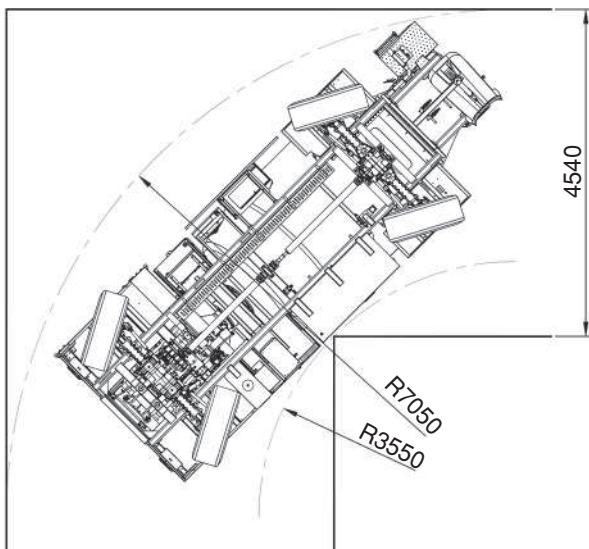


**Max. Speed - Max. Power of Climbing**

Adroit with 4x4 hydrostatic system ensures reliable performance on challenging terrain and 25% gradient climbing.

Rear axle oscillates  $\pm 8^\circ$  and able to move on rough terrain conveniently.

**Turning Radius**



Front Wheel Control

Four Wheel Steering

Crab Steering