

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 m³
- > Carrying capacity : 6,75 m³
- > 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 m³
- > Length 5500 mm
- > Width 2200 mm
- > Height 2900 mm

ADROIT 405W/H

- Capacity : 5 m³
- > Length 6500 mm
- > Width 2400 mm
- > Height 3000 mm

ADROIT 404W/H

- Capacity : 4 m³
- > Length 6000 mm
- > Width 2400 mm
- > Height 2900 mm

ADROIT 406H

- Capacity : 6 m³
- > 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 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

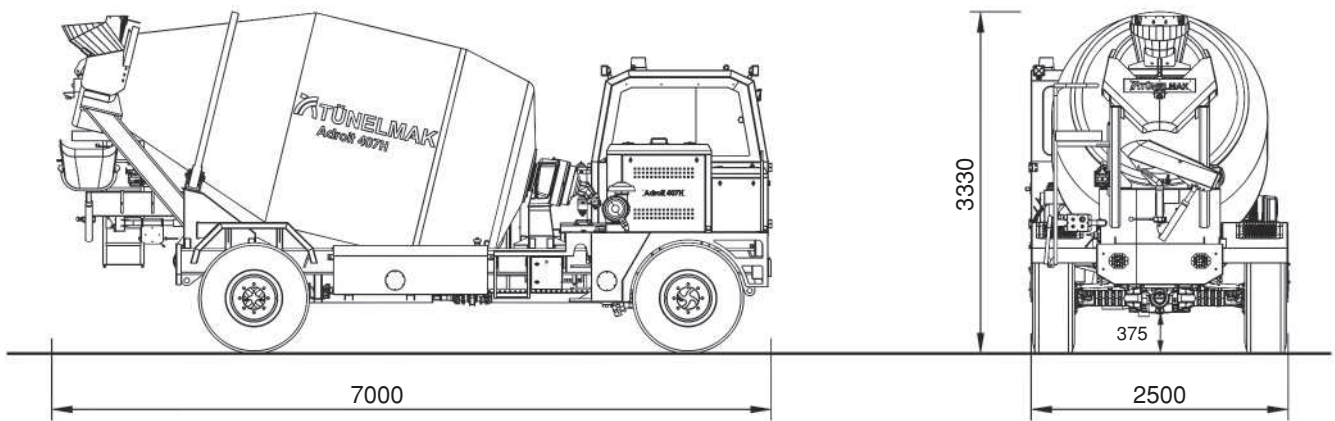
24VDC ELECTRICAL SYSTEM

- > 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
- > Fire - resistant wiring

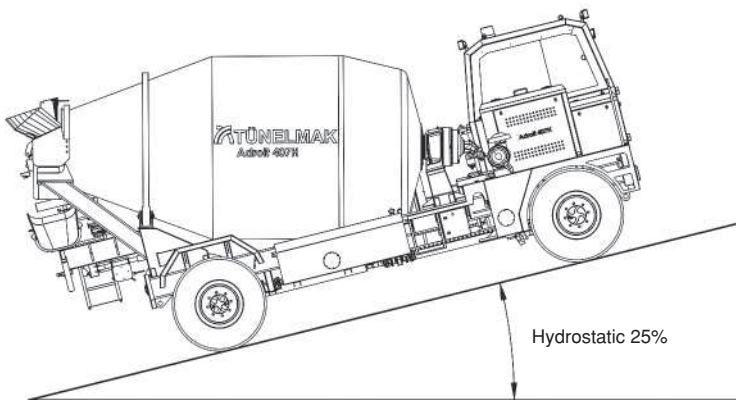
OPTIONAL COMPONENTS

- > EU Stage 5 diesel engine
- > 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 m³, 4 m³, 5 m³ and 6 m³) according to the need

Adroit 407H 4x4 Concrete Transmixer
Dimensions of Vehicle



Climbing Capacity

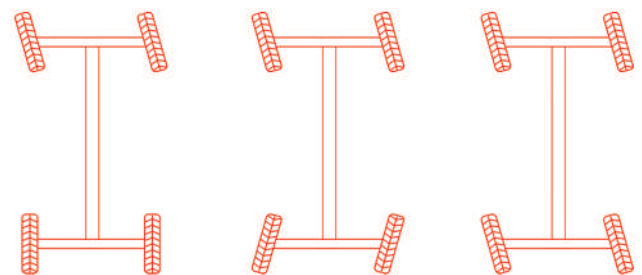
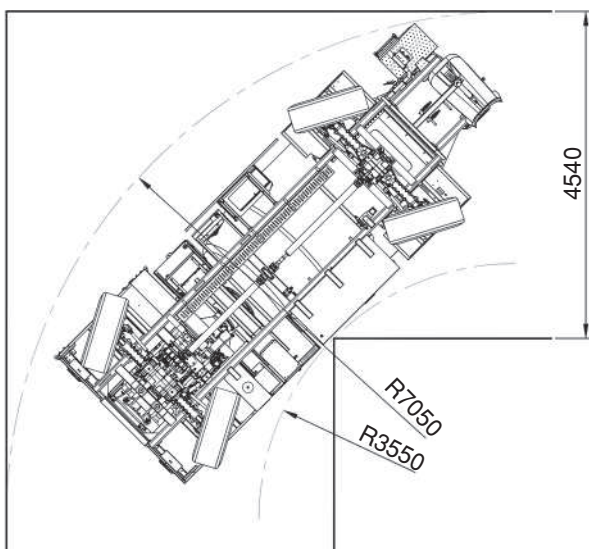


Max. Speed - Max. Power of Climbing

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