



Pictured machine may include options and additional equipment.

Features

Utimec LF 600 Agitator is designed for concrete transportation in underground mines and tunnels where tramming height is 3.3 m (11 feet) or more.

The powerful liquid cooled turbo charged 170 kW TIER 3 approved engine provides clean and efficient operation and gives maximum speed of 8 km/h fully loaded in upward inclined 1:7 tunnel. In horizontal tunnel the maximum speed is 19 km/h.

Vehicle has optional front axle suspension system that improves driving safety and comfort and reduces fatigue. The suspension system reduces vibration from wheels to the cabin and improves handling of the vehicle. The suspension system gives efficiency and speed to vehicle usage, with safety and comfort for the driver and the passenger.

The new Normet FOPS and ROPS approved safety cabin provides superior visibility and comfortable compartment for the driver and the passenger. Cabin is designed for safe and easy entry and exit. Door openings are wide and handrails and non-slip steps are correctly positioned. Dashboard is easy and simple to use. New multifunctional display (MID) provides driving information (speed, RPM, temperatures etc.) and information can be recorded for analysis. Enclosed cabin provides noise level < 75 dB ensuring safe and comfort driving.

Vehicle layout allows easy access to all service points, all daily checks can be done from the ground level.

Normet reserves the right to change this specification without further notice.

AUSTRALIA

Technical specification

CONCRETE DRUM

| | |
|--|------------------|
| Drum volume (100% fill) | 9 m ³ |
| Carrying capacity | 6 m ³ |
| Hydraulically controlled mixing and unloading. | |
| Adjustable rotating speed | 0...13 rpm |
| Drum discharge height | 1380 mm |
| Manual drum lock | |
| Drum control panel on right side | |
| Water tank | 220 L |

ENGINE

Liquid cooled turbo charged Mercedes-Benz OM 906 LA, 170 kW/2200 rpm, TIER 3 approved

EXHAUST SYSTEM

Catalytic exhaust gas purifier and muffler

TRANSMISSION

Dana 32 000 series power shift with pump drive group
3 speeds forward and reverse
4-wheel drive

AXLES

Planetary type
Dana 113
Load end axle fixed
Engine end axle oscillation +/- 7°

TYRES

14.00 - 24 PR 28

PERFORMANCE

| | |
|-----------------------------------|-----------|
| 1st gear max. | 5 km/h |
| 2nd gear | 11 km/h |
| 3rd gear | 19 km/h |
| Max. tractive effort | 165 kN |
| Max speed in 1:7 inclined tunnel: | |
| • Fully loaded | 8 km/h |
| • Empty | 10 km/h |
| Performance curve | 100003433 |

BRAKES

Service brake: hydraulically powered dual-circuit oil immersed multidisc brakes in both axles

Safety/Parking brake: spring applied hydraulically released fail-safe -type brake. Brake testing possible from cabin

STEERING

Hydraulic frame steering
Orbitrol type
Frame articulation +/- 40°

FUEL TANK

Capacity 140 L

HYDRAULIC SYSTEM

Variable displacement pump system,
190 bar, 95 L/min/2200 rpm
Hydraulic oil tank capacity 120 L
Return oil filtration 10 µm
Indication of level, filtration and temperature

24 VDC ELECTRICAL SYSTEM

Exposed components are min IP 65 standard
Battery 2 x 115 Ah
Alternator 100 A
Halogen driving lights (4 + 2 pcs) 70 W
Halogen work lights on cabin (2 + 2 pcs) 70 W
Halogen work lights on load end (2 pcs) 70 W
LED parking, brake and indicator lights
LED side lights; amber
Side reversing halogen lights 70 W
Rotating beacon; amber
Wire harness (self extinguishing) with tinned wires and water tight conduits

DRIVER'S COMPARTMENT

Open 2-man cabin FOPS/ROPS approved
Air suspended T-back seat for driver and passenger
Seats with retractable lap seat belt
Forward and side seating for the driver with two sets of pedals (brake and accelerator)
MID 070 S Multifunctional Display with:

- Meters; e.g. speed, RPM, operating hours
- Status indicators; e.g. fluid levels, temperatures, pressures, alarms, faults

GREASING SYSTEM

Centralized grease fittings for the carrier

OTHER

Fast fuel filling system: Wiggins
9 kg hand held fire extinguisher ^(A)
Standard symbol and text labels
Reversing camera
Oil evacuation system

AUSTRALIA**Optional equipment****DRIVER'S CABIN**

Enclosed cabin, FOPS/ROPS

EXHAUST SYSTEM

Particle filter for Mercedes-Benz OM 906 LA, 170 kW

OTHER

- LED driving lights (4 + 2 pcs) 18 W
- LED work lights on cabin (2 + 2 pcs) 43 W
- LED work lights on load end (2 pcs) 43 W
- Warning lights, 1 unit:
 - Rotating beacon; red
 - Rotating beacon; blue

Additional equipment**FOR CONCRETE DRUM**

Hydraulic drum brake

SUSPENSION

Front axle suspension

FOR ENCLOSED CABIN

- CD/Radio system
- Cabin ventilation:
 - Air conditioning

FIRE SUPPRESSION SYSTEMAFFF fire suppression system ^(A)**GREASING SYSTEM**

Automatic lubrication system for carrier: Lincoln

AUXILIARY BRAKING SYSTEM

- Electromagnetic retarder
- Mounted in driveline
- Recommended on inclines deeper than 1:10 and longer than 1000 m

OTHER

- Hydraulic front support legs
- Hydraulic rear support legs
- Two Hand Held Fire Extinguishers 4.5 & 9kg ^(A)
- Extra warning lights:
 - Rotating beacon; amber
 - Rotating beacon; red
 - Rotating beacon; blue
 - Strobe light; white
- Radio and enclosure ^(A)
- 2 wheel chocks with brackets
- Spare wheel with tyre for L-series

AUSTRALIA**LTC services****SPARE PARTS**

Spare parts package A: Available for 1000 h of use*. Include periodical service, most common wearing parts and most critical safety parts.

Spare parts package B: Available for 3000 h of use*. Include periodical service, most common wearing parts and most critical safety parts.

* Recommendations are based on average hours - can vary a lot depending on work site conditions.

TRAINING SERVICES

Available before delivery, at start up and after delivery.

NOTE! after/during Start up / Commissioning as additional training days these are cheaper.

In general training reduces operation costs.

Product training:

Operation and Maintenance

NorSmart

Foundation of electrics, hydraulics and mechanics

Audit

Process training:

Concrete spraying

Charging

Scaling

Process audit

AUDIT SERVICES

To improve machines performance

To improve your processes performance and quality

SERVICE CONTRACTS

Spare parts supply programmes

Scheduled inspection programmes

Supervision programmes

Periodic maintenance programmes

Machine usage programmes

LINK ONE

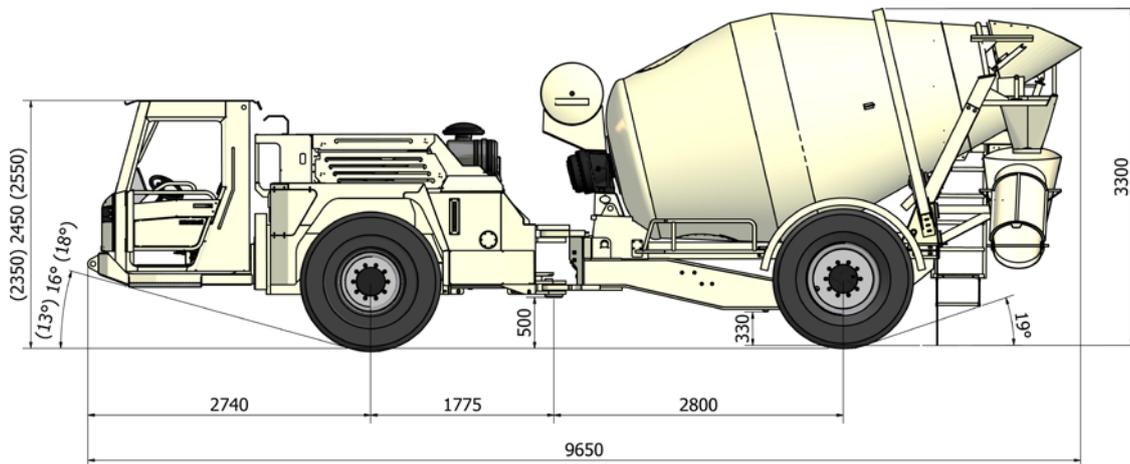
Link One electronic spare part manuals

WARRANTY SERVICES

Extended warranty

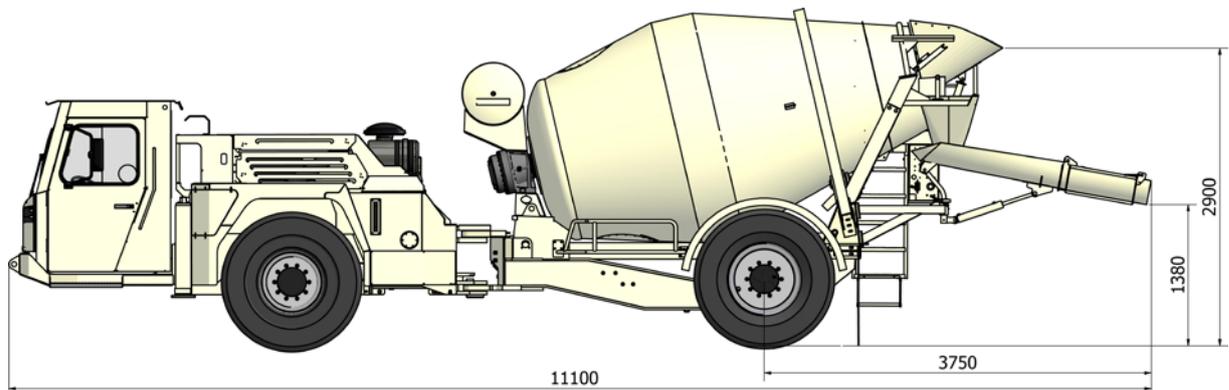
AUSTRALIA

Dimensions



SIDE VIEW

Basic machine



SIDE VIEW

Machine with options

DIMENSIONS

| | |
|---------------------------|----------------------|
| Length | 9650 mm |
| Width | 2450 mm |
| Height | 3300 mm |
| Height of cabin | (+/- 100 mm) 2450 mm |
| Wheel base | 4575 mm |
| Track | 1950 mm |
| Ground clearance as shown | 330 mm |

TURNING RADIUS

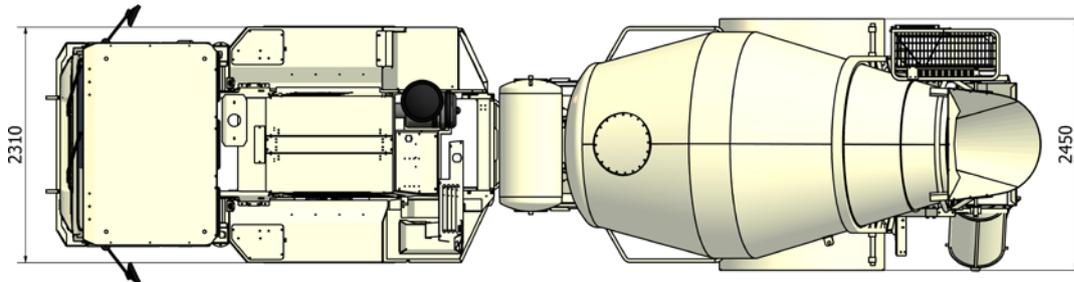
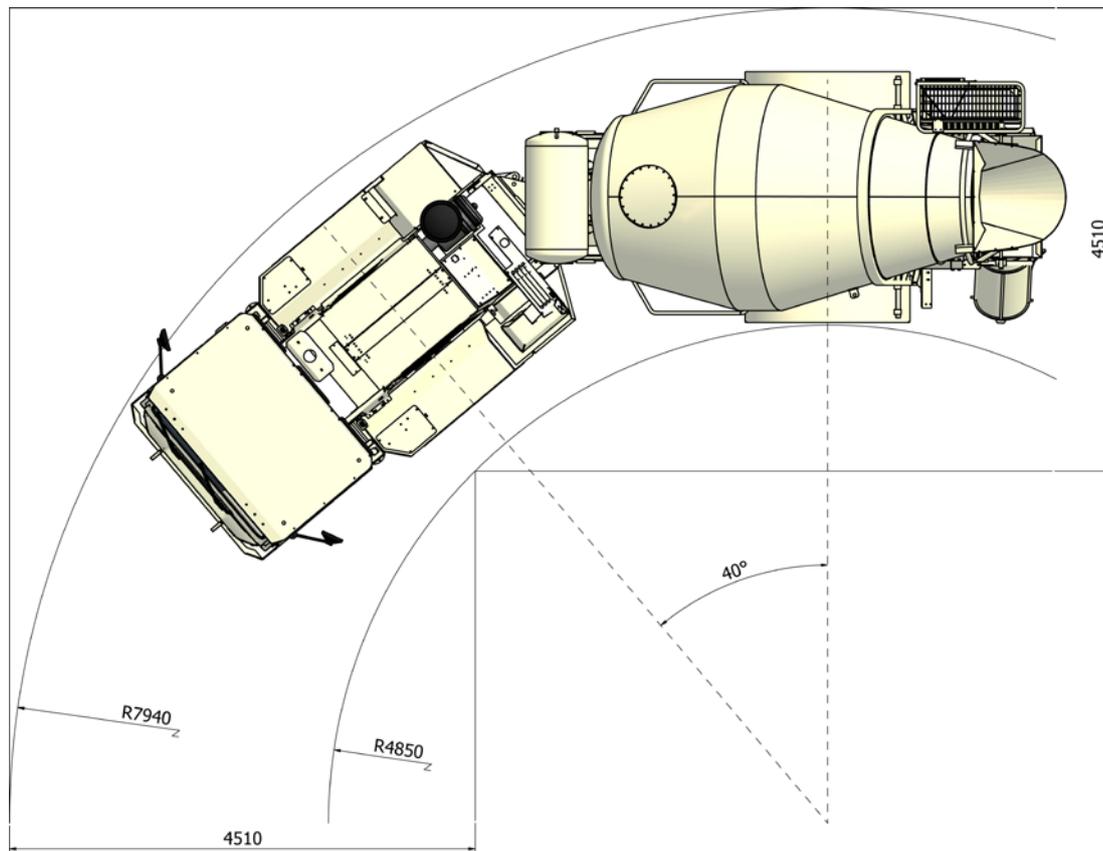
| | |
|-------|---------|
| Outer | 7940 mm |
| Inner | 4850 mm |

WEIGHT

| | |
|-------------------|-----------|
| Operating weight: | |
| • Empty | 14 400 kg |
| • Fully loaded | 28 200 kg |

Normet reserves the right to change this specification without further notice.

AUSTRALIA

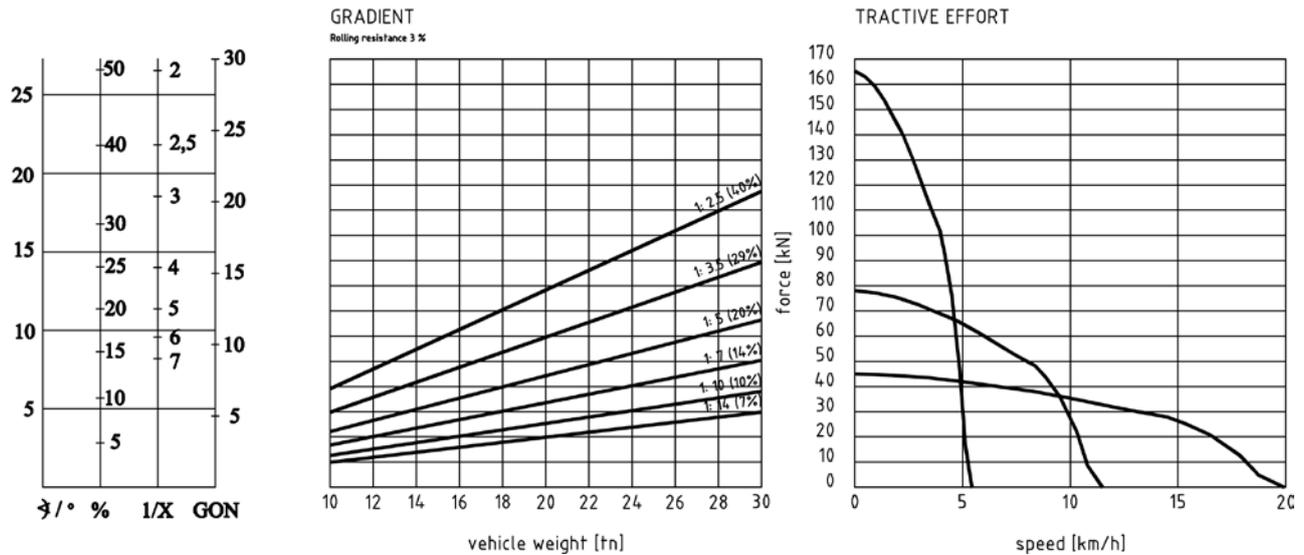
Dimensions**TOP VIEW****TURNING RADIUS**

Normet reserves the right to change this specification without further notice.

Utimec LF 600 Agitator

AUSTRALIA

Tractive efforts



MERCEDES-BENZ OM 906 LA, 170 kW
Performance curve 100003433