

*Pictured machine may include options and additional equipment.*

## Features

Utimec LF 500 Transmixer with practical concrete carrying capacity of 4.4 m<sup>3</sup> and with small 12.00 - 20 series tyres is designed for fast concrete transportation in underground mines and tunnels where tramming height is 2.4 m (8,0 feet) or more and where extremely high tractive effort (190 kN) is needed.

The powerful liquid cooled turbo charged 155 kW TIER 3 approved engine provides clean and efficient operation and gives maximum speed of 9 km/h fully loaded in upward inclined 1:7 tunnel. In horizontal tunnel the maximum speed is 16 km/h.

The standard drum lifter feature allows flexible adjustment of the concrete discharge height up to 1.9 m making it possible to discharge the load also in circumstances where receptive unit is not on the same angle or same level as the concrete transporter.

The FOPS and ROPS approved safety cabin provides superior visibility and comfortable compartment for the driver and his assistant. The enclosed cabin provides noise level < 75 dB. All daily checks can be done from the ground level.

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

### Technical specification

#### CONCRETE DRUM

Drum volume (100% fill) 5.5 m<sup>3</sup>  
Carrying capacity 4.4 m<sup>3</sup>  
Two filling hatches (round)  
Aluminum rear hatch  
Hydraulically controlled mixing and unloading  
Adjustable rotating speed 0...13 rpm  
Drum lifter  
Drum discharge height 1330 - 2000 mm  
Manual drum lock  
Drum control panel on left side

#### ENGINE

Liquid cooled turbo charged Deutz TCD 2012 L6,  
155 kW/2300 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

12.00 - 20 PR 20

#### PERFORMANCE

1st gear max.	5 km/h
2nd gear	10 km/h
3rd gear	16 km/h
Max. tractive effort	190 kN
Max speed in 1:7 inclined tunnel	
• Fully loaded	9 km/h
• Empty	14 km/h
Performance curve	100022299

#### 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  
Driving halogen lights (4 + 2 pcs) 70 W  
Working halogen lights (2 + 2 pcs) 70 W  
Working halogen 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 driver's seat  
Seats with retractable lap seat belt  
Forward and side seating for the driver with two sets of pedals (brake and accelerator)  
CAN Cockpit, Master Gauge:

- Tacho, rpm
- Operating hours
- Fuel level
- Transmission temperature
- Cooling water temperature

#### GREASING SYSTEM

Centralized grease fittings for the carrier

#### OTHER

12 kg hand held fire extinguisher  
Standard symbol labels

**Optional equipment****FOR CONCRETE DRUM**

Hydraulic drum brake  
Drum control panel on right side

**DRIVER'S CABIN**

Enclosed cabin  
Air suspended T-back seat for driver and passenger

**ENGINE**

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

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	16 km/h
Performance curve	DOC001365

**EXHAUST SYSTEM**

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

**OTHER**

Xenon working lights on cabin (2 + 2 pcs) 35 W  
Xenon working lights on load end (2 pcs) 35 W  
LED driving lights (4 + 2 pcs) 18 W  
LED working lights on cabin (2 + 2 pcs) 43 W  
LED working lights on load end (2 pcs) 35 W  
Warning lights, 1 unit:

- Rotating beacon; red
- Rotating beacon; blue

**Additional equipment****FOR CONCRETE DRUM**

High pressure washer with tank  
Form oil system with tank  
280 L water/chemical stainless steel tank  
Mixer bowl lifting lock

**FOR ENCLOSED CABIN**

CD/Radio system  
Cabin ventilation:

- Cabin heating
- Air conditioning

**FIRE SUPPRESSION SYSTEM**

Fogmaker: Manually actuated  
Fogmaker: Automatically actuated  
Ansul: Manually actuated  
Ansul: Automatically actuated  
Tempus: Manually actuated (Non CE)

**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**

Fast fuel filling system: Wiggins  
Extra hand held fire extinguisher (12 kg)  
Warning lights, 1 unit:

- Rotating beacon; amber
- Rotating beacon; red
- Rotating beacon; blue
- Strobe light; white

Text labels in: Fin / Por / GB / Swe / Rus / Nor / Ger / Fra / Spa / Ita

Toolbox and maintenance tools  
2 wheel chocks with brackets  
Reversing camera  
Spare wheel

## 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

**Product training:**

Operation and Maintenance

NorSmart

Foundation of electrics, hydraulics and mechanics

Audit

**Process training:**

Concrete spraying

Charging

Process audit

### AUDIT SERVICES

To improve performance of the machines

To improve the performance of your processes

To help improve the quality of maintenance operations

### SERVICE CONTRACTS

**Spare parts supply programmes**

**Scheduled inspection programmes**

**Supervision programmes**

**Periodic maintenance programmes**

**Machine usage programmes**

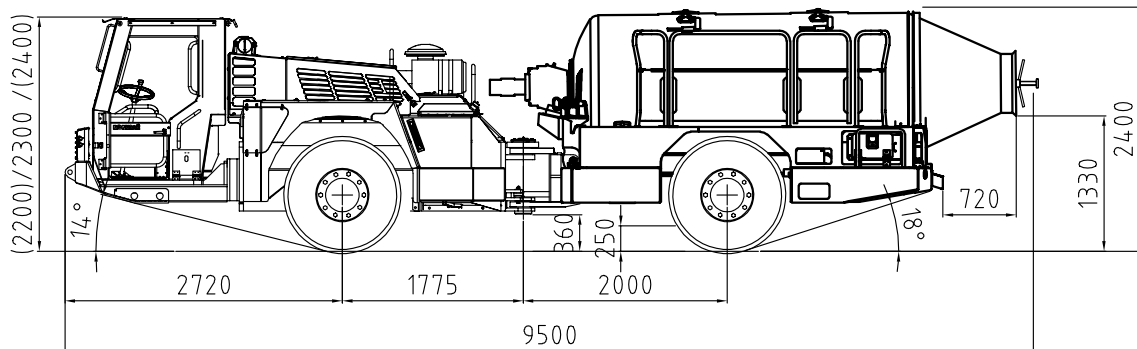
### LINK ONE

Link One electronic spare part manuals

### WARRANTY SERVICES

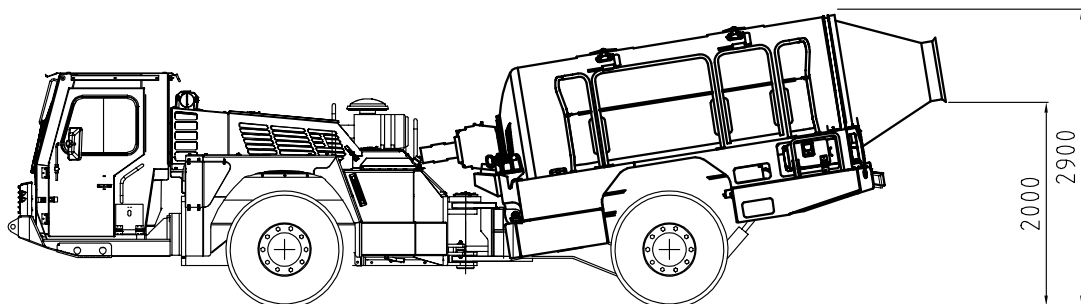
Extended warranty

### Dimensions



#### SIDE VIEW

Basic machine.



#### SIDE VIEW

Machine with enclosed cabin

#### DIMENSIONS

Length	9500 mm
Width	2310 mm
Height	2400 mm
Height of cabin	(+/- 100 mm) 2300 mm
Wheel base	3775 mm
Track	1950 mm
Ground clearance as shown	250 mm

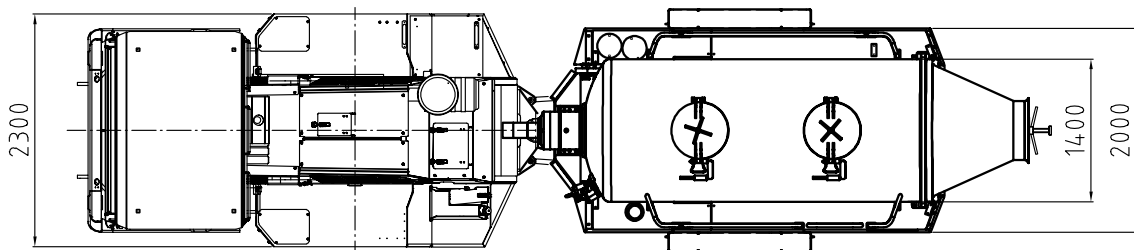
#### TURNING RADIUS

Outer	6750 mm
Inner	3900 mm

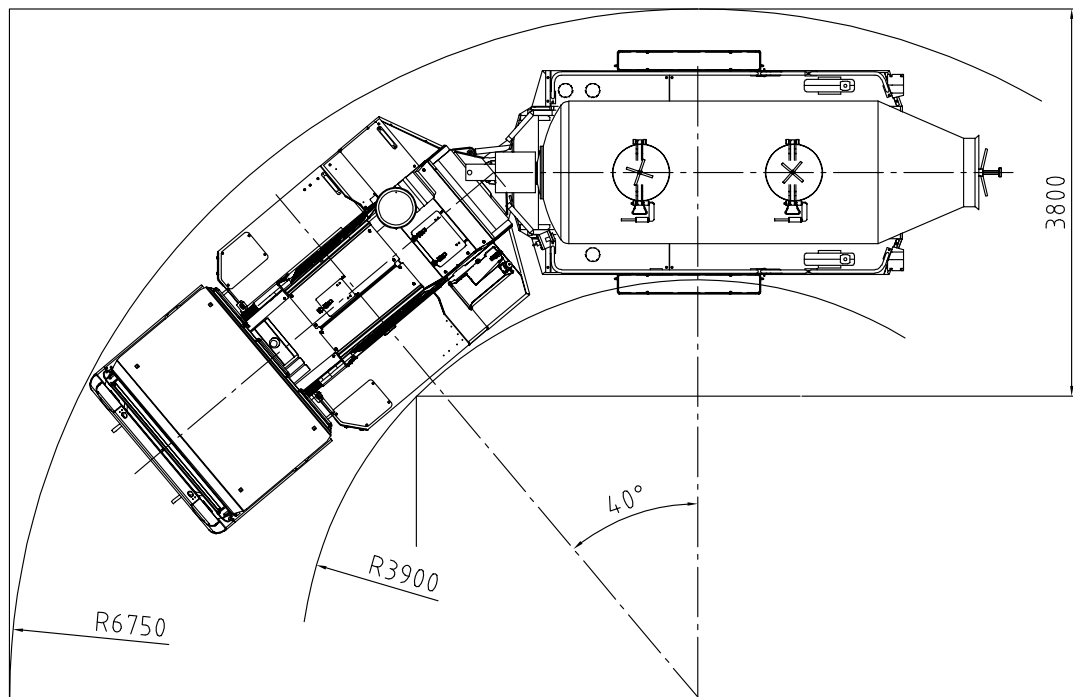
#### WEIGHT

Operating weight:	
• Empty	13 800 kg
• Fully loaded	24 000 kg

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

**Dimensions****TOP VIEW**

Machine with options and extra equipment.

**TURNING RADIUS**

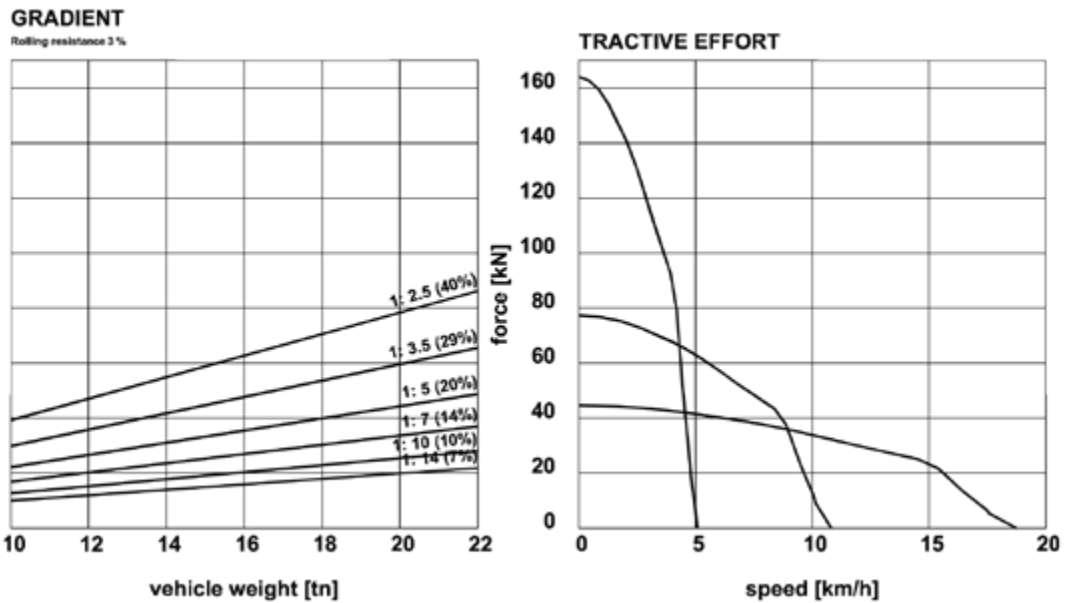
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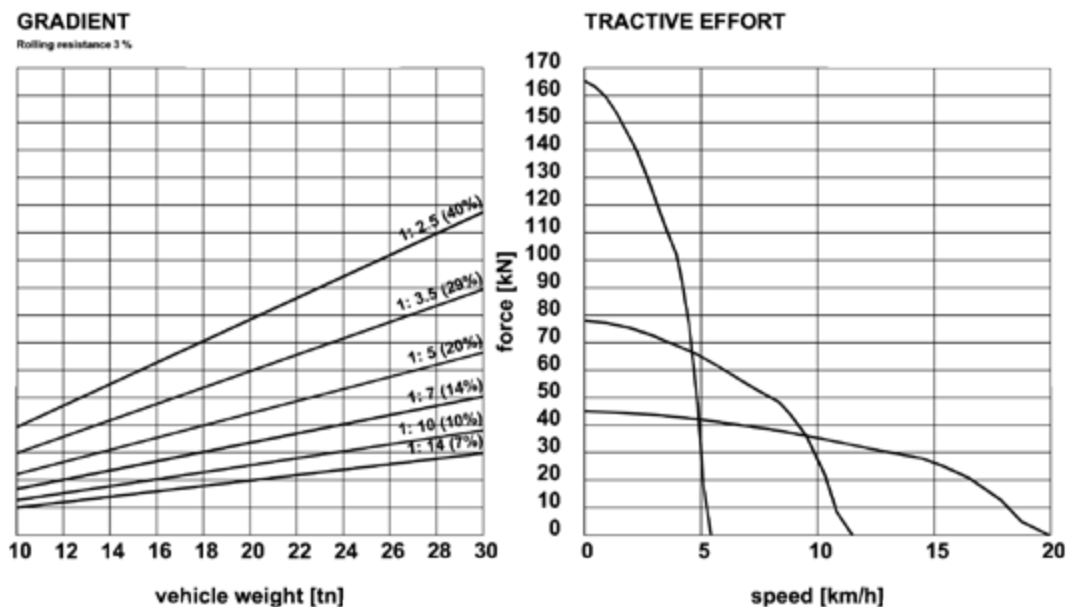
## Utimec LF 500 Transmixer

Technical data sheet  
100018453  
25.05.2012

### Tractive efforts



DEUTZ TCD 2012 L6, 155 kW  
Performance curve DOC000805



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

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