

DUMPER
MK-A35



Main Features

- **Compact, simple and powerful design**
- **Hard rock and tunnelling applications**
- **Great power to weight ratio**
- **Extremely robust GHH frame and system design** resulting in lowest operating cost
- **Particle filters** for tunnelling operations available
- **ROPS/FOPS certified cabin**
- **Different body designs and sizes** available
- **Bidirectional cabin**
- **Proven technology** only
- **Oversized central bearing**
- **Efficient combination** with LF-10 and LF-11H LHDs

Technical Specification*

Main Dimensions

| | |
|-----------------------------|---------------------|
| Length | 10 574 mm |
| Width (at body) | 3 500 mm |
| Height, laden (at body) | 2 696 mm |
| Height, laden (above cabin) | 2 897 mm |
| Body capacity (SAE heaped) | 23.0 m ³ |

Engine

| | |
|------------------------------|----------------------------------|
| Manufacturer | Deutz |
| Type | TCD2015 V06 |
| Design | Water cooled diesel engine |
| Power output | 300 kW / 2 000 min ⁻¹ |
| Air intake system | Dry air filter |
| Exhaust system | Catalyst, silencer |
| Starter power / voltage | 6.5 kW / 24 V |
| Alternator current / voltage | 80 A / 28 V |
| Emission standard | COM IIIA |

Drive Train

Torque converter

| | |
|--------------|---------------------------|
| Manufacturer | Dana |
| Type | Series CL 8 000 |
| Design | Single stage with Lock-up |

Power shift transmission

| | |
|--------------|------------------------------|
| Manufacturer | Dana |
| Type | Series 6 000 |
| Design | Four gears forward / reverse |

Electrical Equipment

| | |
|-------------------|-------------------|
| Operating voltage | 24 V |
| Battery | 2 x 12 V / 180 Ah |

Weights

| | |
|---------------------|-----------|
| Deadweight | 31 650 kg |
| Payload | 35 000 kg |
| Front axle, unladen | 22 230 kg |
| Rear axle, unladen | 9 420 kg |
| Front axle, laden | 29 400 kg |
| Rear axle, laden | 37 250 kg |

Wheels and Tires

Front wheels

| | |
|---------------|------------------|
| Rim size | 22.00 - 25 / 3.0 |
| Tire size | 26.5 - 25 |
| Tire pressure | 6.5 ± 0.1 bar |

Rear wheels

| | |
|---------------|------------------|
| Rim size | 22.00 - 25 / 3.0 |
| Tire size | 26.5 - 25 |
| Tire pressure | 8.0 ± 0.1 bar |

Brakes (Service and Parking)

| | |
|--------|--------------------------------|
| Design | Multi disk spring brake (SAHR) |
|--------|--------------------------------|

Axles

Front and rear

| | |
|--------------|----------|
| Manufacturer | Kessler |
| Type | D91 |
| Differential | Standard |

Lighting System

| | |
|---------------------------|-----------|
| Main / reverse headlights | 75 / 70 W |
| Additional headlights | 75 / 70 W |

Dump / Hoist Hydraulic System

| | |
|--------------------------|-------------------------|
| Pump displacement volume | 85 cm ³ /rev |
| System pressure | 185 bar |
| Number of dump cylinders | 1 |
| Body raising laden | 21 s |
| Body lowering, unladen | ≤20 s |

Steering Hydraulic System

| | |
|------------------------------|-------------------------|
| Pump displacement volume | 85 cm ³ /rev |
| System pressure | 175 bar |
| Number of steering cylinders | 2 |



Tramming Capacities

| | |
|---|-------------------------|
| Max. tramming speed (laden fwd/rev on level road) | |
| 1st gear | 5.5 km/h / 5.7 km/h** |
| 2nd gear | 9.5 km/h / 10.0 km/h** |
| 3rd gear | 16.0 km/h / 18.0 km/h** |
| 4th gear | 25.5 km/h / 31.5 km/h** |
| Max. admissible gradient | 25 % |

Steering

| | |
|-------------------|-----------------------------------|
| Design | Swivel joint hydr. power steering |
| Steering angle | ± 42° |
| Outer turn radius | 9 630 ± 350 mm |
| Inner turn radius | 5 180 ± 350 mm |



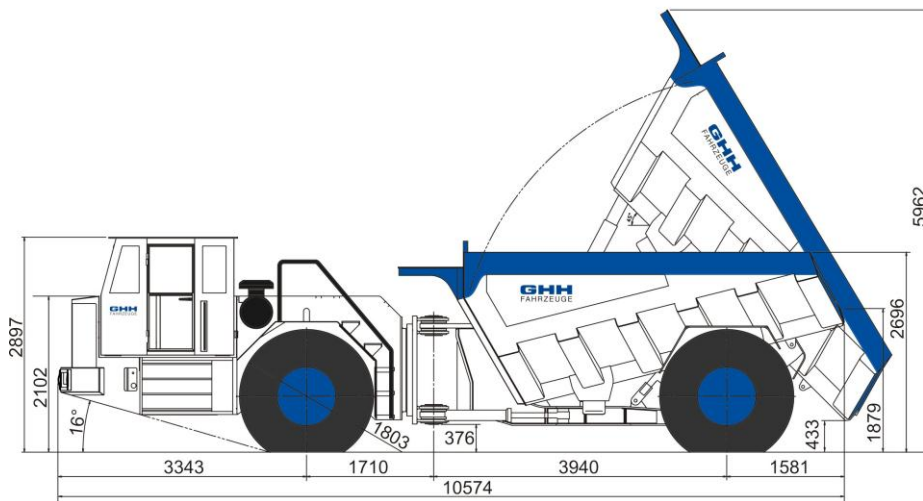
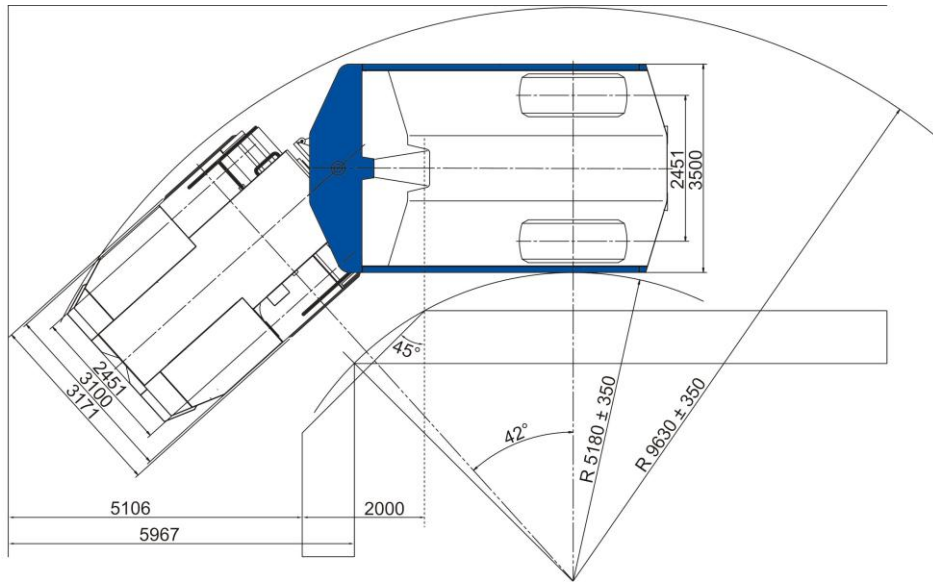
Filling Volumes

| | |
|--|-----------|
| Fuel tank | 475 l |
| Hydraulic tank | 430 l |
| Engine with oil filter | 40 l |
| Coolant | 80 l |
| Torque converter/ power shift transmission circuit | 58 l |
| Front axle differential | 47 l |
| Front axle planetary gear | 2 x 4.5 l |
| Rear axle differential | 47 l |
| Rear axle planetary gear | 2 x 4.5 l |

Options

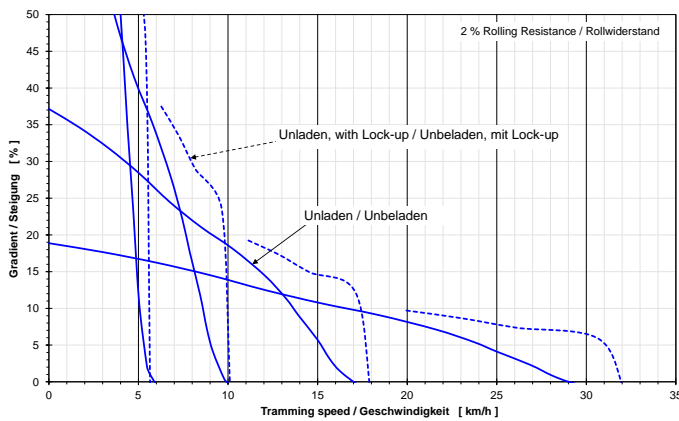
| | |
|---------------------------------|-----------------------------|
| Central lubrication system | Camera system |
| Fire suppression, manual / auto | Collision avoidance systems |
| Spare wheel | Air condition |
| Heating system | Fast fuelling system |
| Aggressive environment kit | Payload weighing system |
| Pressurized cabin | |

** Converter / Lock-up mode

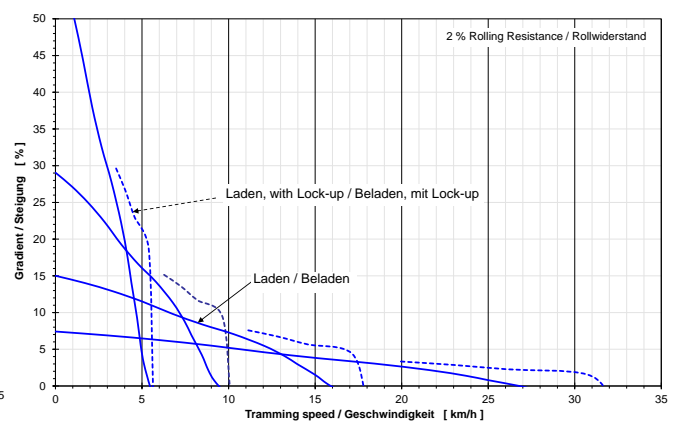


Gradeability Diagram

Unladen



Laden



* Changes may apply without prior notice. Featured machines in photos may include variations / additional equipment.