



Pictured machine may include options and additional equipment.

Features

The Himec SF 605 mechanizes man lifting in small and medium profile tunneling and mining works. 500 kg lifting load and maximum 6.4 m platform height helps miners to reach up to 8.5 m high roofs. The works can be accomplished safely, efficiently and comfortably from the level work platform, elevated to a optimum work height.

The powerful liquid cooled turbo charged Deutz 96 kW or MB 90 kW TIER 3 approved engine provides clean and efficient operation and gives maximum speed of 12 km/h in upward inclined 1:7 tunnel. In horizontal tunnel the maximum speed is 25 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 passengers and the driver.

The new Normet FOPS and ROPS approved safety front cabin provides superior visibility and comfortable compartment for the driver and the passenger. Front 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.

Technical specification

NBB3S BASKET BOOM

2-men basket
Lifting capacity 500 kg
Boom lift -18°...+ 60°
Max. Lifting height (basket floor) 6.4 m
Max. Vertical reach 8.4 m
Boom slew +/- 30°
Automatic levelling of basket
Diesel start/stop from basket
Battery operated emergency pump for lowering the boom

ENGINE

Liquid cooled turbo charged Deutz TCD 2012 L4,
96 kW/2200 rpm, TIER 3 approved

EXHAUST SYSTEM

Catalytic exhaust gas purifier and muffler

TRANSMISSION

Dana 20 000 series power shift with pump drive group
3 speeds forward and reverse
4-wheel drive

AXLES

Planetary type
Dana 112
Load end axle fixed
Engine end axle oscillation +/- 10°

TYRES

10.00 - 20 PR 16

PERFORMANCE

1st gear	max.5 km/h
2nd gear	12 km/h
3rd gear	25 km/h
Max. tractive effort	90 kN
Max speed in upward 1:7 inclined tunnel	12 km/h
Performance curve	4800031

BRAKES

Service brake: hydraulically powered two-circuit oil immersed multidisc brakes in both axles
Safety/Parking brake: spring applied hydraulically released fail-safe -type brake. Brake test possibility in cabin

STEERING

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

FUEL TANK

Capacity 112 L

HYDRAULIC SYSTEM

Variable displacement pump system
Pressure setting 190 bar, 95 L/min/2200 rpm
Hydraulic oil tank capacity 115 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 LED lights (4 + 2 pcs)
LED work lights (2 + 2 pcs)
LED work lights on work platform (2 pcs)
LED parking, brake and indicator lights
LED side lights; amber
Side reversing LED lights
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
Seat with retractable lap seat belt
Forward and side seating for the driver with two sets of pedals (brake and accelerator)
Cabin door interlock switches with safety brake application
MID 070 S Multifunctional Display with:

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

MACHINE CONNECTIVITY

Machine connectivity hardware (WLAN/3G/4G/LTE)

GREASING SYSTEM

Centralized grease fittings for the carrier

OTHER

12 kg hand held fire extinguisher
Standard symbol labels
Hydraulic support legs on rear frame

Optional equipment

DRIVER'S CABIN

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

MACHINE CONNECTIVITY

- Data lifetime license (Include connectivity hardware)
- Analytics lifetime license (Include connectivity hardware and data lifetime license)

ENGINE

Liquid cooled turbo charged MB OM 904 LA,
90 kW/2200 rpm, TIER 3 approved:

1st gear max.	5 km/h
2nd gear	10 km/h
3rd gear	25 km/h
Max. tractive effort	90 kN
Max speed in upward 1:7 inclined tunnel	12 km/h
Performance curve	4800032

OTHER

Warning lights: 1 unit

- Rotating beacon; red
- Rotating beacon; blue

Additional equipment

SUSPENSION

Front axle suspension
• Hydraulic front support legs

FOR ENCLOSED CABIN

CD/Radio system

Cabin ventilation:

- Cabin heating
- Air conditioning

FOR NBB BASKET BOOM

Safety bar

Hydraulic liftable safety bar

Reduces lifting capacity 60 kg

Safety roof with hydraulic lift:

Reduces lifting capacity 100 kg

Safety roof with hydraulic lift and slide:

Reduces lifting capacity 200 kg

LED working lights on safety roof (2 pcs) 43 W

Boom suspension

FIRE SUPPRESSION SYSTEM

Fogmaker: Manually actuated

Fogmaker: Automatically actuated

Ansul: Manually actuated

Ansul: Automatically actuated

GREASING SYSTEM

Automatic lubrication system for carrier and lifter: Lincoln

AIR COMPRESSOR

4 m³ hydraulic driven compressor on front rack

OTHER

Fast fuel filling system: Wiggins

Oil evacuation kit with sample points

Extra hand held fire extinguisher (12 kg)

Hydraulic front support legs

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 with tyre

Service

OPERATIONAL SPARE PARTS

A complete parts package to ensure your machine runs with optimal uptime.

After commissioning of your new Normet equipment, the following maintenance & critical spares are typically recommended to support and service your machine:

- Filters, belts
- Sensors, work lights, solenoid coils and fuses
- Sliding parts, bearings, cylinders, seals & pins
- Hoses including concrete, charging & hydraulic
- Nozzles & tips
- TamCrete EasyClean - nontoxic protective agent
- Pistons and seal kits
- Guide rollers and bushes

Note: The usage and consumption of parts may vary depending on the operating environment.

EXTENDED WARRANTY

Standard Normet equipment warranty is 2000 operation hours or 12 months (whichever is reached first). Extended warranty for your Normet equipment can be provided with service agreement- conditions apply.

TRAINING AND EXPERTISE SERVICES

Need training before your machine goes into service or any stage during its working life? The Normet Academy and our highly skilled technicians can provide all your expert training needs including...

Product training:

Operation and Maintenance
Automation -NorSmart/Nordoser
Electric, hydraulic and mechanical fundamentals
Trouble-shooting and fault finding

Process & operator improvement audit for:

Concrete spraying - practical or simulated
Charging
Scaling - practical or simulated

Audit services to improve:

Equipment performance, machine availability, safety & quality.

SERVICE AGREEMENTS

Parts supply
Periodic fleet inspection
Preventative maintenance
Maintenance Supervision
Fleet availability

ELECTRONIC MANUALS

LinkOne electronic spare parts and instruction manuals

EQUIPMENT - COMMISSIONING & START UP SERVICES

Operator Training

- Class room training
- Practical training

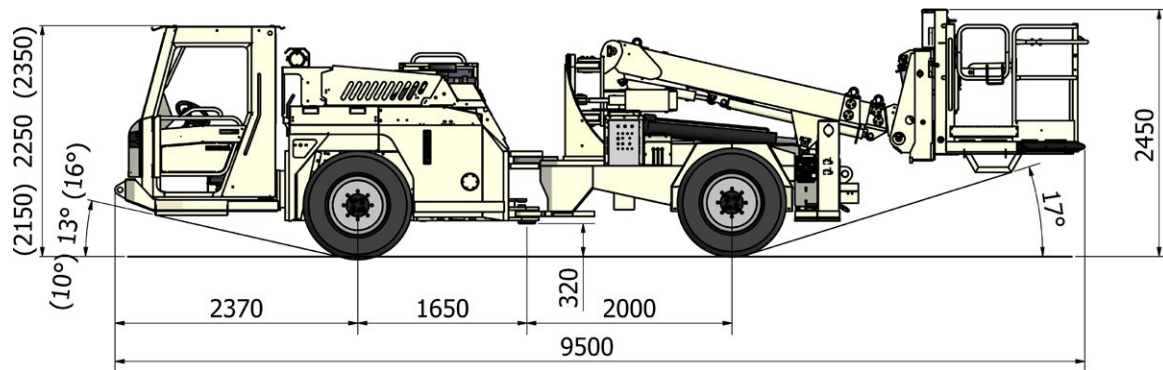
Maintenance & Repair Training

- Class room training
- Practical training

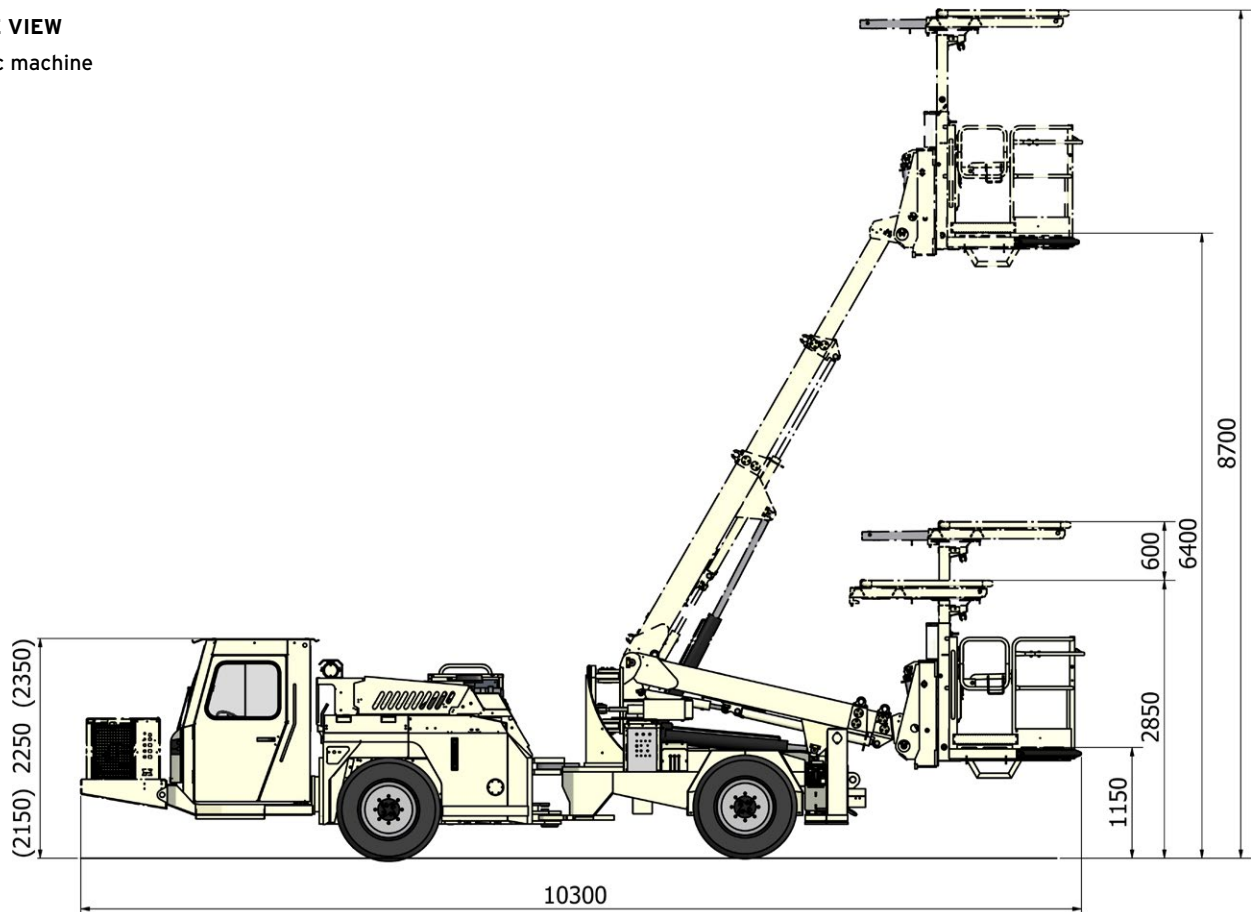
Commissioning

- Receiving inspection

Dimensions



SIDE VIEW Basic machine



SIDE VIEW & BOOM REACH

Machine with options and additional equipment

DIMENSIONS

Length	9500 mm
Width	1800 mm
Height	2450 mm
Wheel base	3650 mm
Track	1500 mm
Ground clearance as shown	320 mm

TURNING RADIUS

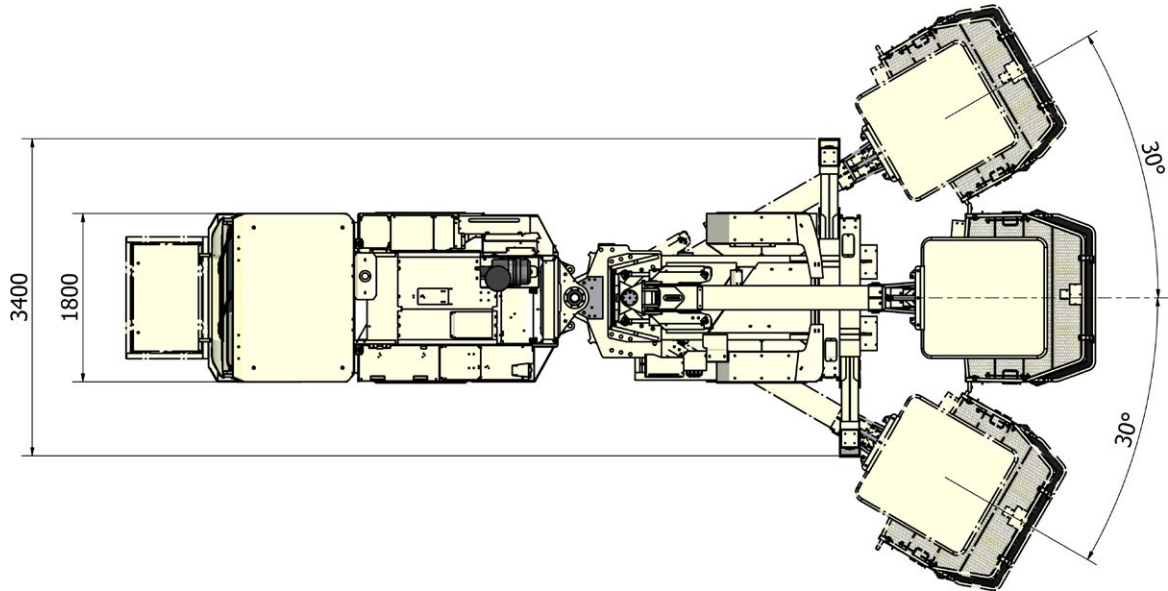
Outer	6700 mm
Inner	4000 mm

WEIGHT

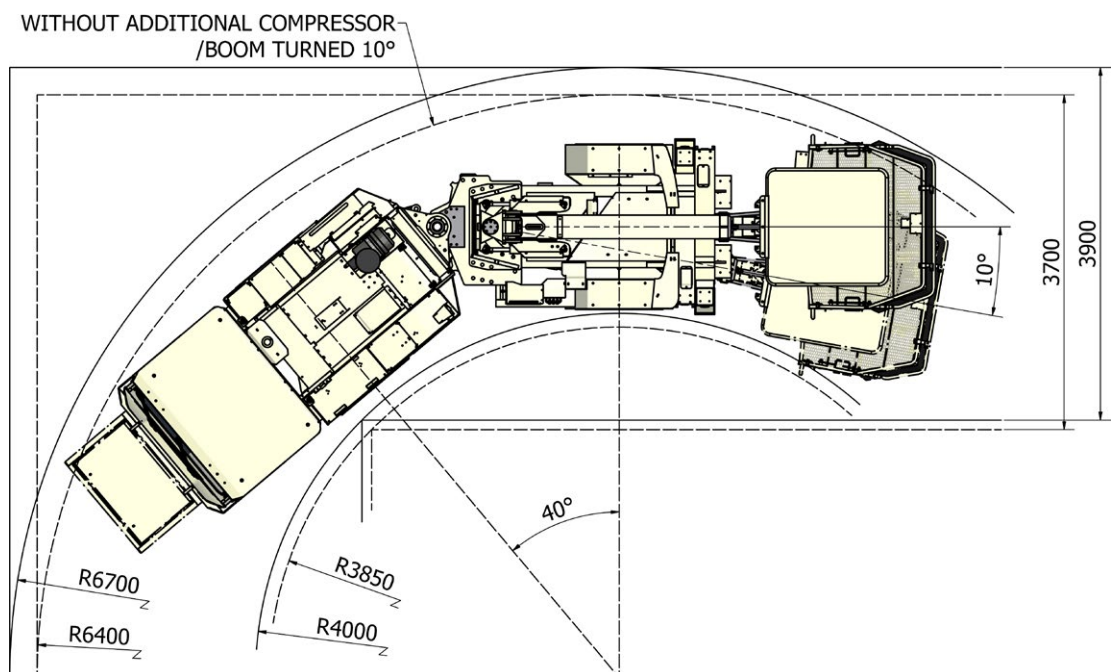
Operating	11000 kg
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Dimensions



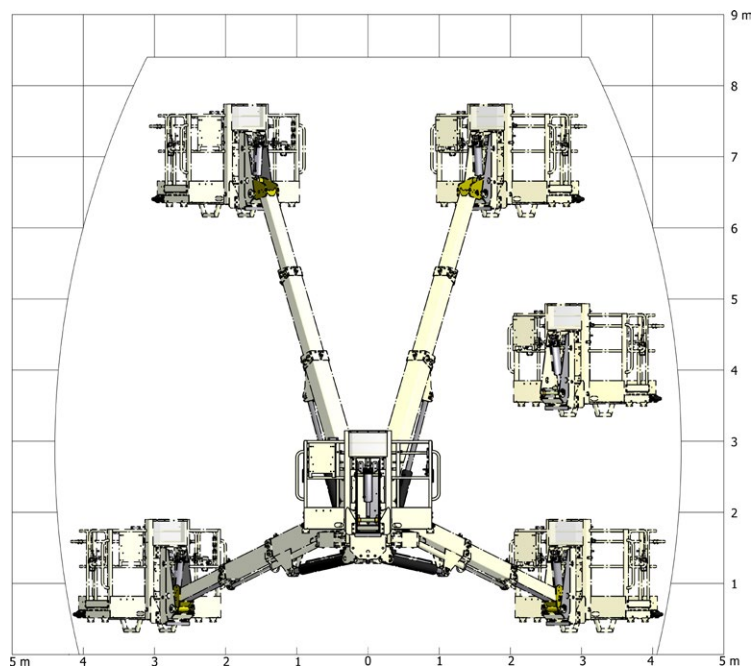
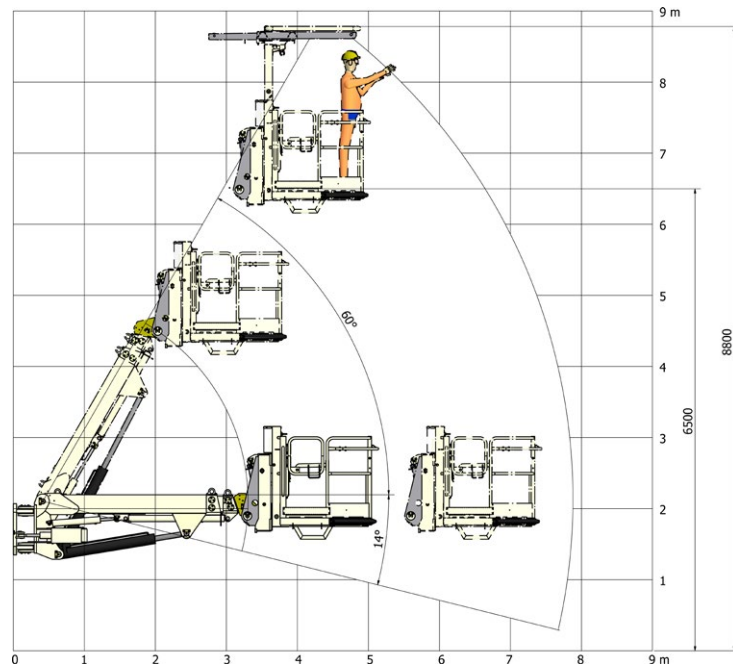
TOP VIEW



TURNING RADIUS

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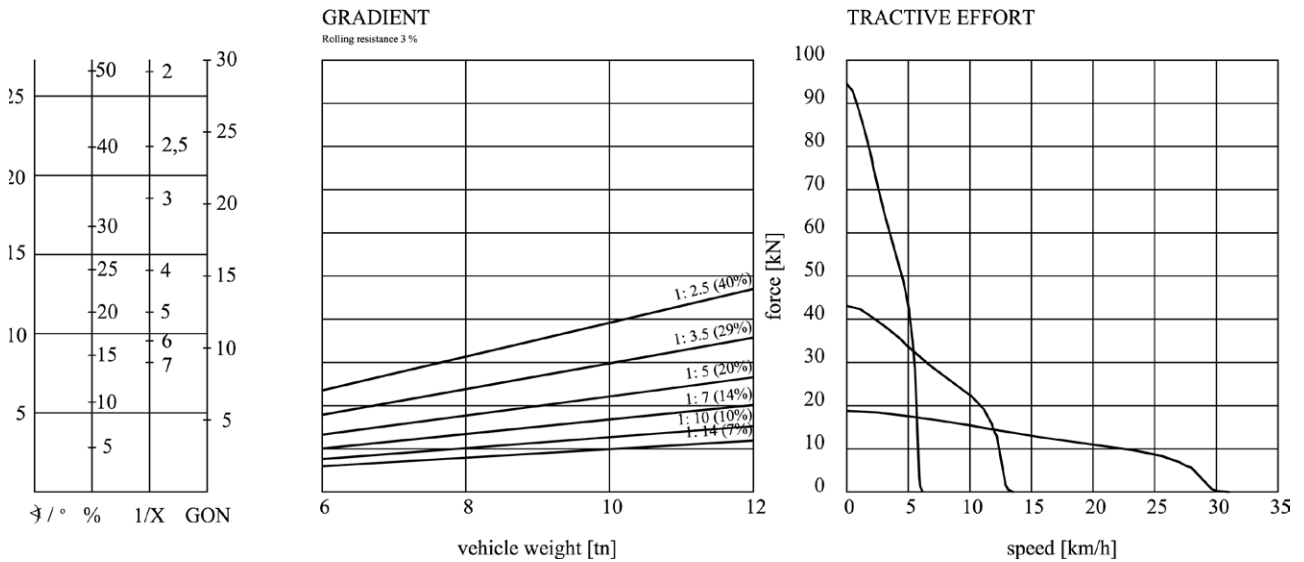
Dimensions



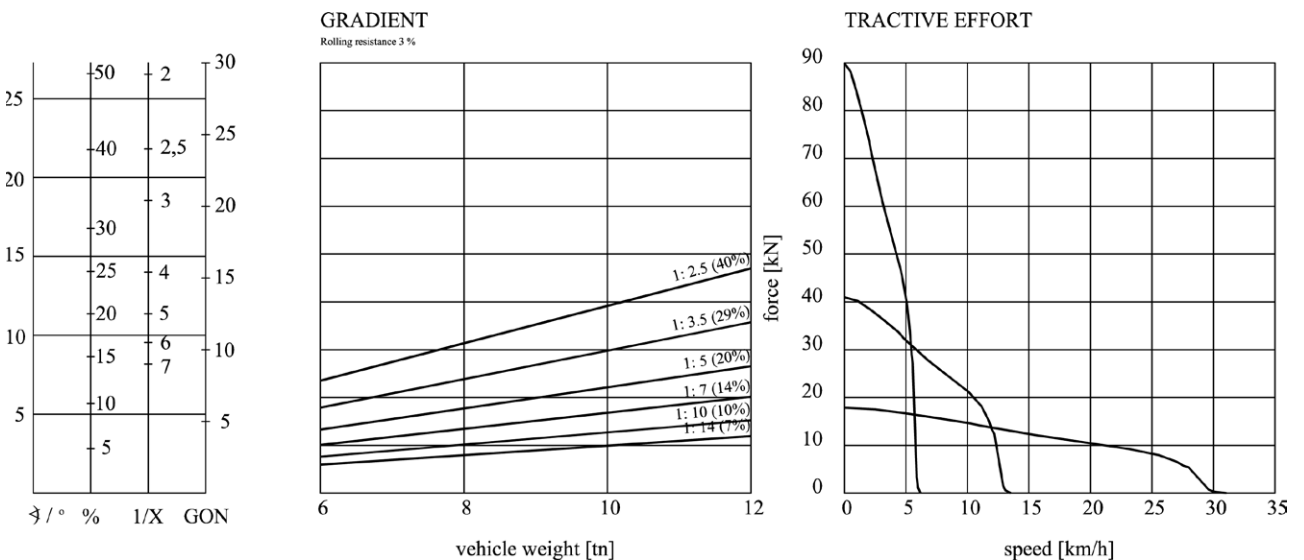
BOOM REACH

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Tractive efforts



DEUTZ TCD 2012 L4 96 kW
Performance curve 4800031



MERCEDES-BENZ OM 904 LA 90 kW
Performance curve 4800032

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