



Pictured machine may include options and additional equipment.

Features

The Himec RM 910 REX is a self propelled diesel driven 1-boom lifter for man lifting, charging of explosives and installing works in tunnelling. It consists of the new Normet Rigid Frame Carrier (=R) with M-series Cummins B4.5 Stage V 121 kW or Tier3 110 kW engine and NSB 900 boom.

Boom is controlled from the platform and from the carrier. Working platform REX is a hydraulically extendable platform with patterned plate working surface, safety railings and boom and platform controls on board. Automatic horizontal holding system and platform rotating provide good working flexibility and applicability for most various lifting works.

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

Technical specification

NSB 900 BASKET BOOM

2-men basket	
Lifting capacity	1000 kg = 840 kg + 2 persons
Basket size	
• base	2.3 m x 2.4 m
• extended	2.3 m x 4.7 m
Platform rotation	340°
Boom lift	-20°...+53°
Boom extension	2.4 m
Max. Lifting height (basket floor)	9.3 m
Max. Vertical reach	11.7 m
Boom slew	- 30°...+ 30°
Max. Lateral coverage	6.5 m
Diesel start/stop (from the basket)	
Battery operated emergency pump	

ENGINE

Liquid cooled turbo charged CUMMINS B4.5, 121 kW/2500 rpm, Stage V approved
Requires DEF (urea) and ultra-low sulphur diesel (ULSD) (max sulphur content < 15 ppm)

TRANSMISSION

Hydrostatic 4-wheel transmission	
Variable piston pump	115 cm ³
Variable piston motor	160 cm ³
Separate stainless steel oil tank	110 L

AXLES

Planetary type	
Dana 223	
Rear end axle oscillation	+/- 8°
Boom end axle fixed	

TYRES

12.00 - 20

PERFORMANCE

Max. Horizontal speed (horizontal tunnel)	25 km/h
Max speed in 1:7 inclined tunnel	7 km/h
Max. Tractive force	113 kN

BRAKES

Service brake; hydraulically powered two-circuit
Oil-immersed multi-discs brakes in both axles

Safety/Parking brake; spring-activated, hydraulically
Released, fail-safe-type brake. Brake test possibility in cabin

STEERING

Four-wheel steering as standard
Orbitrol type
Including crabwalk

FUEL TANK

Capacity	140 L
Stainless steel	

DEF TANK

Diesel Exhaust Fluid	
Capacity	19 L

HYDRAULIC SYSTEM

Variable displacement pump system	
190 bar, 95 L/min/2200 rpm	
Hydraulic oil tank capacity	130 L
Return oil filtration	10 µm
Indication of level, filtration and temperature	

24 VDC ELECTRICAL SYSTEM

Exposed components are min. IP65 standard	
Battery	2 x 80 Ah
Alternator	80 A
Wire harness (self extinguishing) with tinned wires and wa- tertight conduits	
LED driving lights	
• Front end LED lights	2 x 1300 lm
• Rear end LED lights	2 x 1300 lm
LED directional lights on front and rear side	
LED working lights	
• 4pcs on cabin	
• 2pcs on carrier	

DRIVER'S COMPARTMENT

Open cabin FOPS/ROPS approved
Suspended driver's seat
Seat with retractable lap seat belt
Side seating for the driver
Cabin door interlock switch 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 extendable front support legs
Hydraulic rear support legs

Optional equipment

DRIVER'S CABIN

Enclosed cabin, FOPS/ROPS
HVAC system

ENGINE

Liquid cooled turbo charged CUMMINS QSB4.5,
110kW/2300 rpm, TIER 3 approved

- Exhaust system: Catalytic exhaust gas purifier and muffler
- No def tank

MACHINE CONNECTIVITY

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

OTHER

Warning lights, 1 unit:

- Rotating beacon; red
- Rotating beacon; blue

Additional equipment

HIGH VOLTAGE SYSTEM

400V/50Hz power pack
690V/50Hz power pack
1000V/50Hz power pack

COMPRESSOR

Hydraulically driven compressor 2.6 m³

FOR ENCLOSED CABIN

CD/Radio system

FOR NSB BASKET BOOM

Safety roof with hydraulic lift and slide

Reduces lifting capacity 290 kg

Safety bar with hydraulic lift:

Reduces lifting capacity 60 kg

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

OTHER

Fast fuel filling system: Wiggins

Oil evacuation kit with sample points

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 / En / Por / Swe / Rus / Nor / Ger / Fra /
Spa / Ita

Toolbox and maintenance tools

2 wheel chocks with brackets

Reversing camera

Spare wheel

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

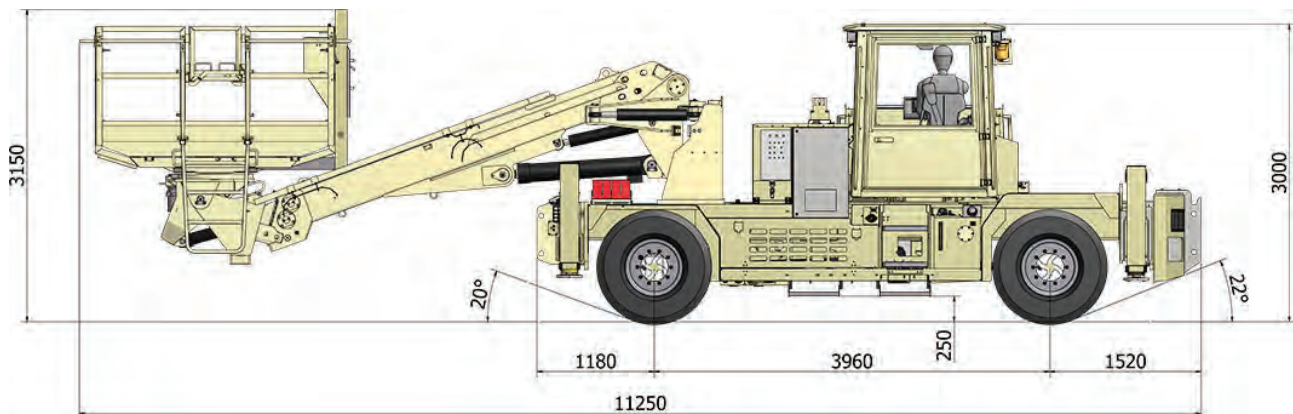
Maintenance & Repair Training

- Class room training
- Practical training

Commissioning

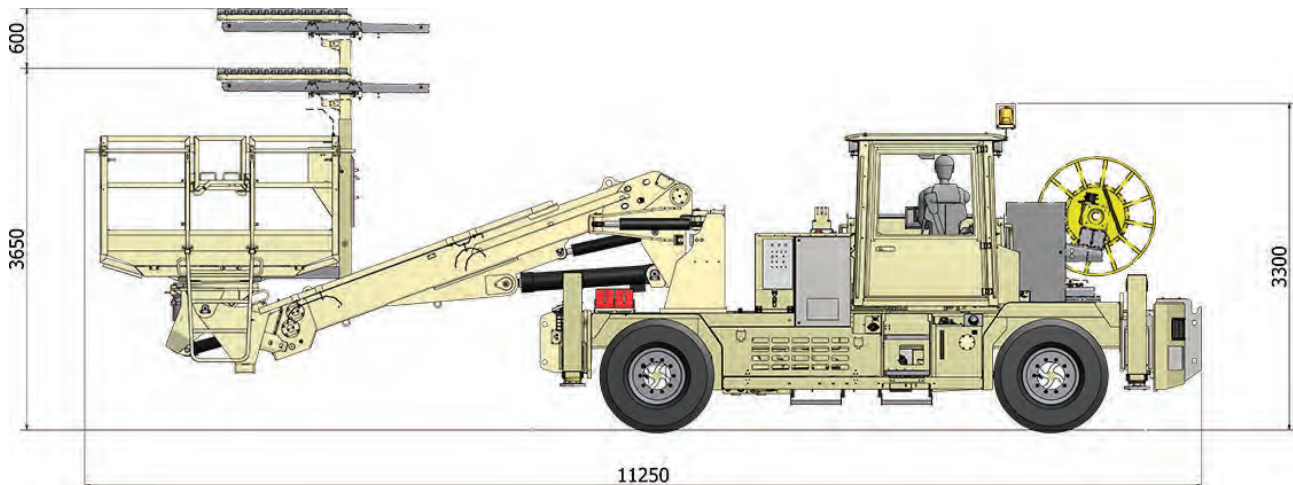
- Receiving inspection

Dimensions



SIDE VIEW

Basic machine



SIDE VIEW

Machine with options and additional equipment

DIMENSIONS

Length	11250 mm
Width	2300 mm
Height	3000 mm

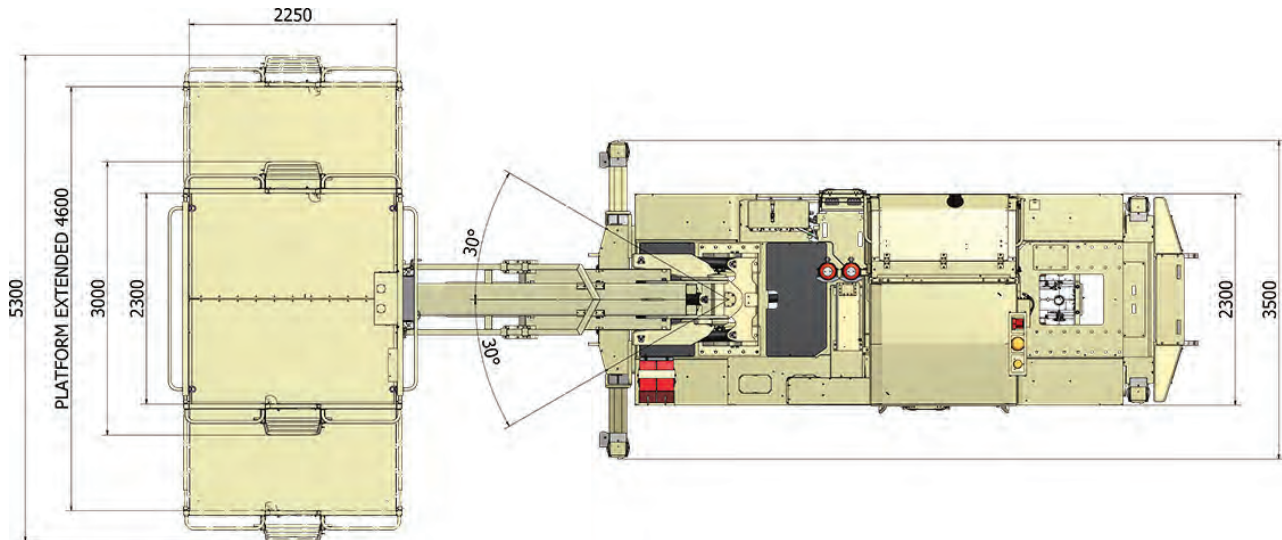
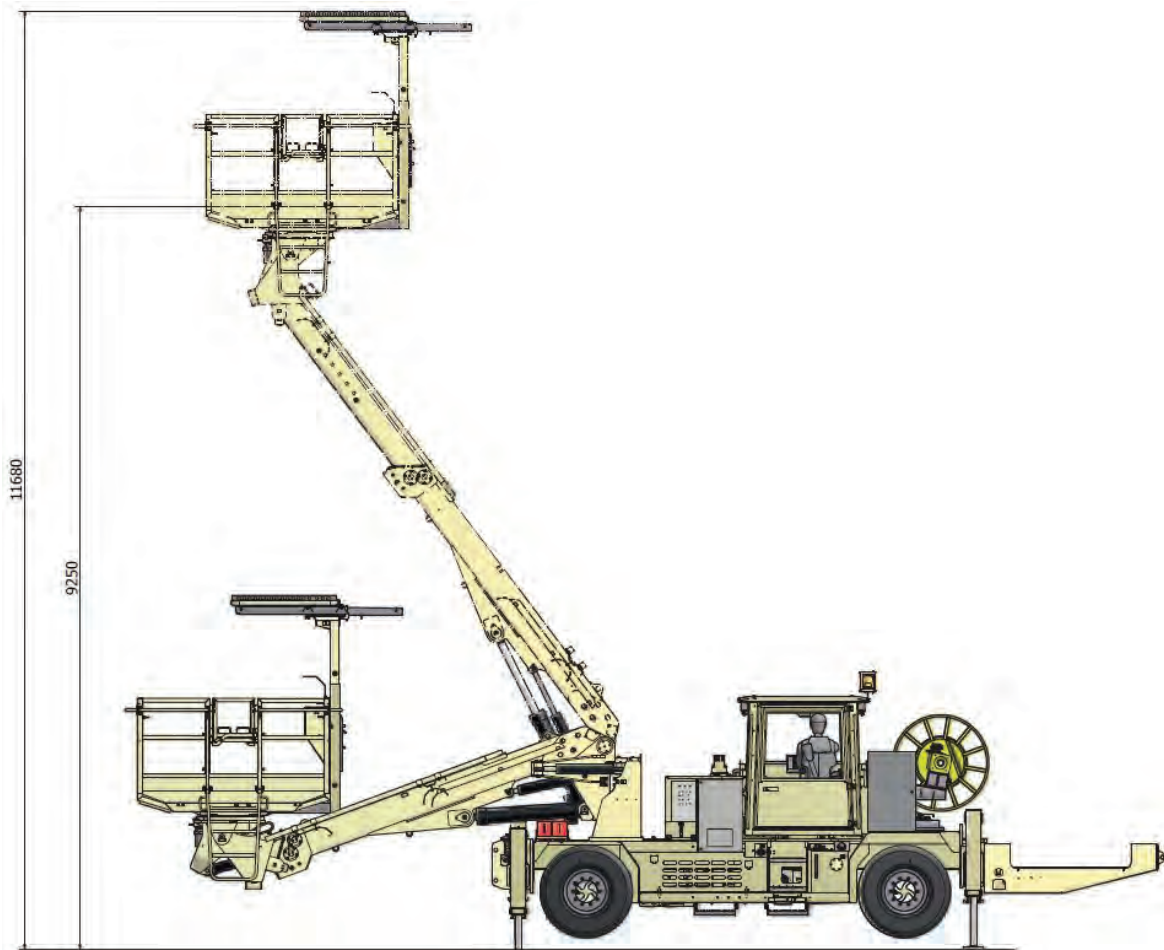
TURNING RADIUS

Outer	8700 mm
Inner	3980 mm

WEIGHT

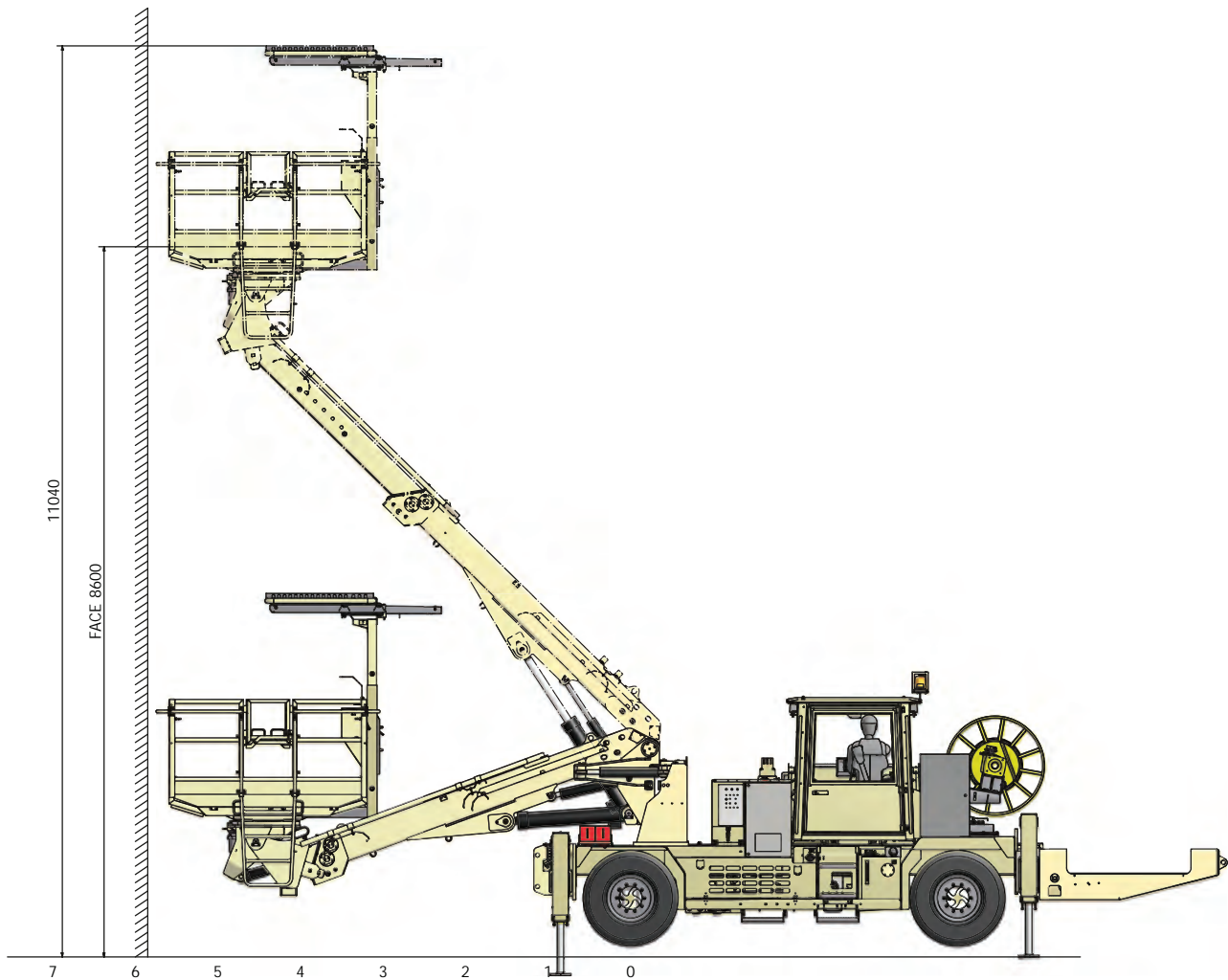
Operating	22 000 kg
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Normet reserves the right to change this specification without further notice.

Dimensions**TOP VIEW****BOOM REACH**

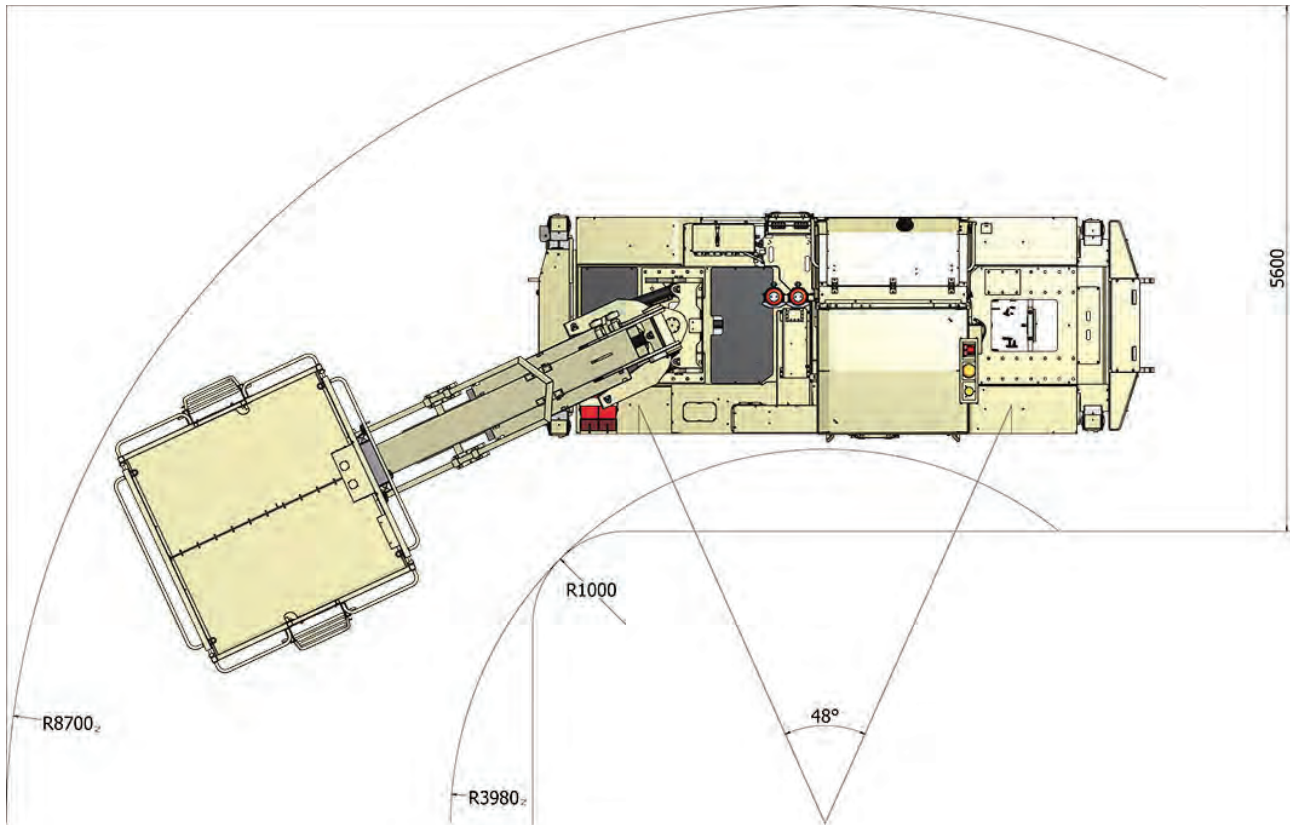
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Dimensions



BOOM REACH

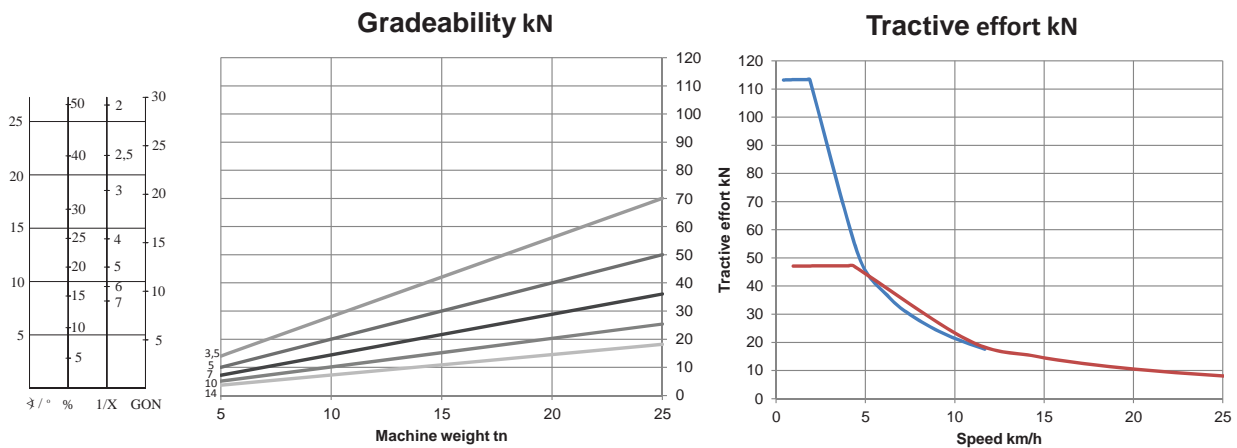
Dimensions



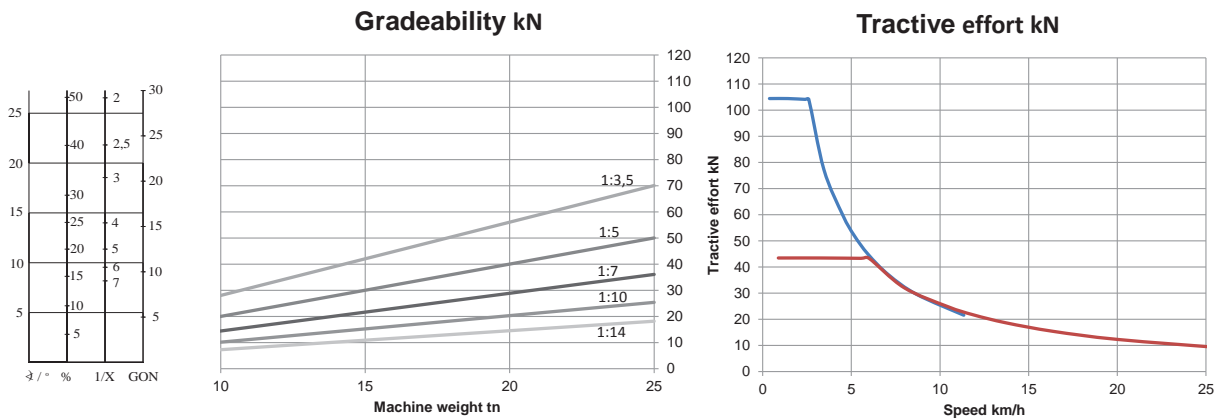
TURNING RADIUS

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Tractive efforts



CUMMINS B4.5 121kW Stage V Performance curve



CUMMINS QSF4.5 110kW Tier3 Performance curve