



Pictured machine may include options and additional equipment.

## Features

The Himec RM 915 A is a self propelled diesel driven 1-boom lifter for man lifting and robotic steel support installing in tunnels. 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 920 boom.

Boom is controlled from the platform and from the carrier. The platform is specially designed for mechanized installation of steel supports and it is equipped with full rotation and automatic levelling system.

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

### Technical specification

#### NSB 920 BASKET BOOM

2-men basket	
Lifting capacity	1895 kg = 1735 kg + 2 persons
Arch lifter capacity	1350 kg
Arch lifting reach	11.1 m
Basket size	2.1 m x 2.2 m
Platform rotation	340°
Boom lift	-20°...+53°
Boom extension	2.4 m
Max. Lifting height (basket floor)	9.2 m
Max. Vertical reach	11.0 m
Boom slew	- 20°...+ 20°
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 <sup>3</sup>
Variable piston motor	160 cm <sup>3</sup>
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 m<sup>3</sup>

#### FOR ENCLOSED CABIN

CD/Radio system

#### FOR NSB BASKET BOOM

Hydraulic liftable safety bar:

Reduces lifting capacity 60 kg

Safety roof, lifting and slided

Reduces lifting capacity 290 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

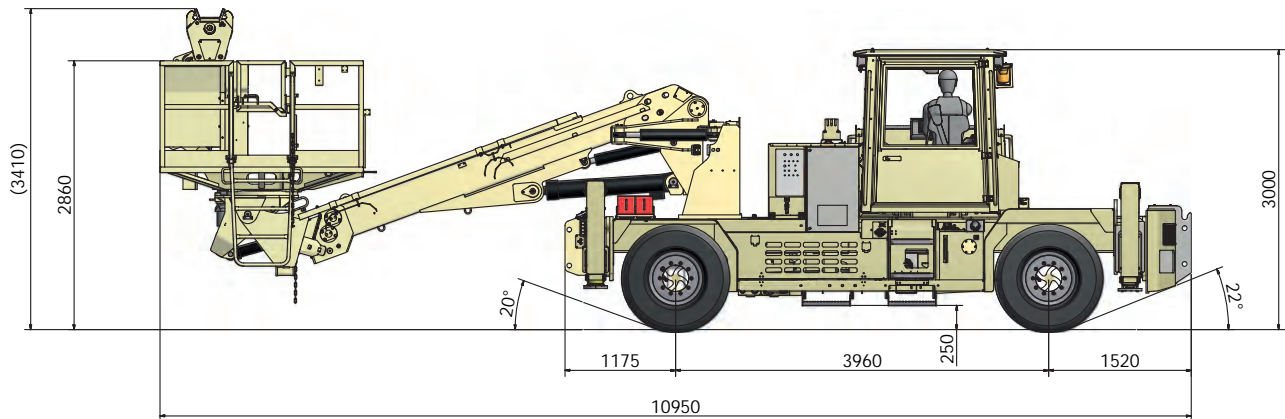
#### Maintenance & Repair Training

- Class room training
- Practical training

#### Commissioning

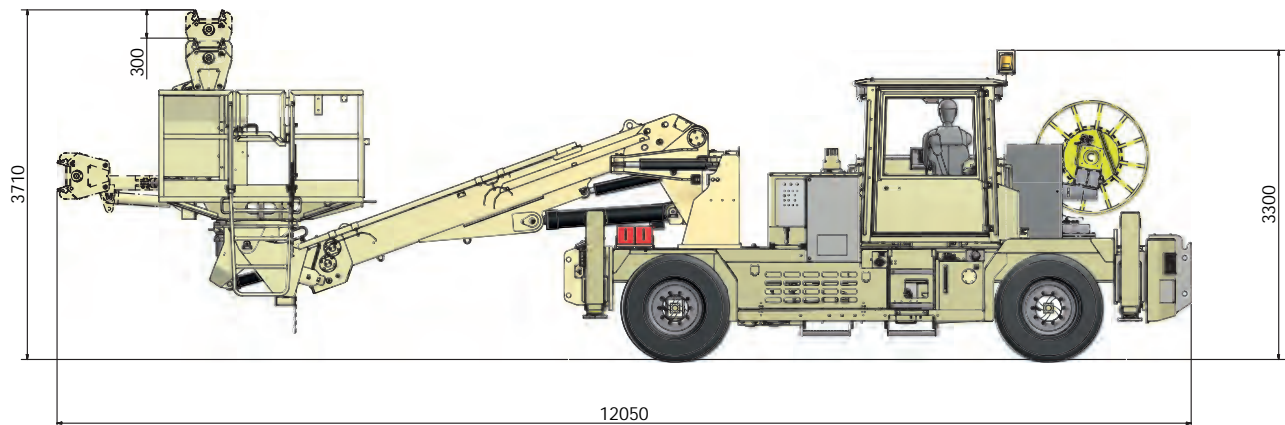
- Receiving inspection

### Dimensions



#### SIDE VIEW

##### Basic machine



#### SIDE VIEW

##### Machine with options and additional equipment

#### DIMENSIONS

Length	10950 mm
Width	2820 mm
Height	3000 mm

#### TURNING RADIUS

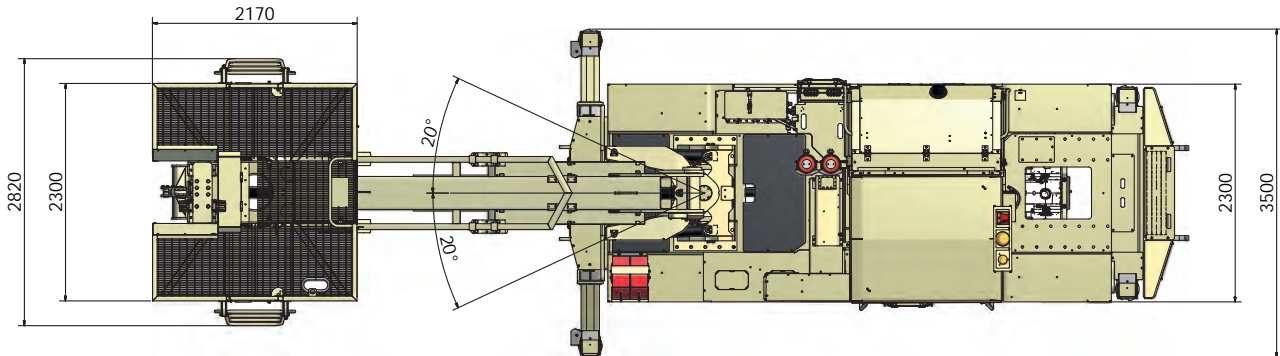
Outer	8800 mm
Inner	3980 mm

#### WEIGHT

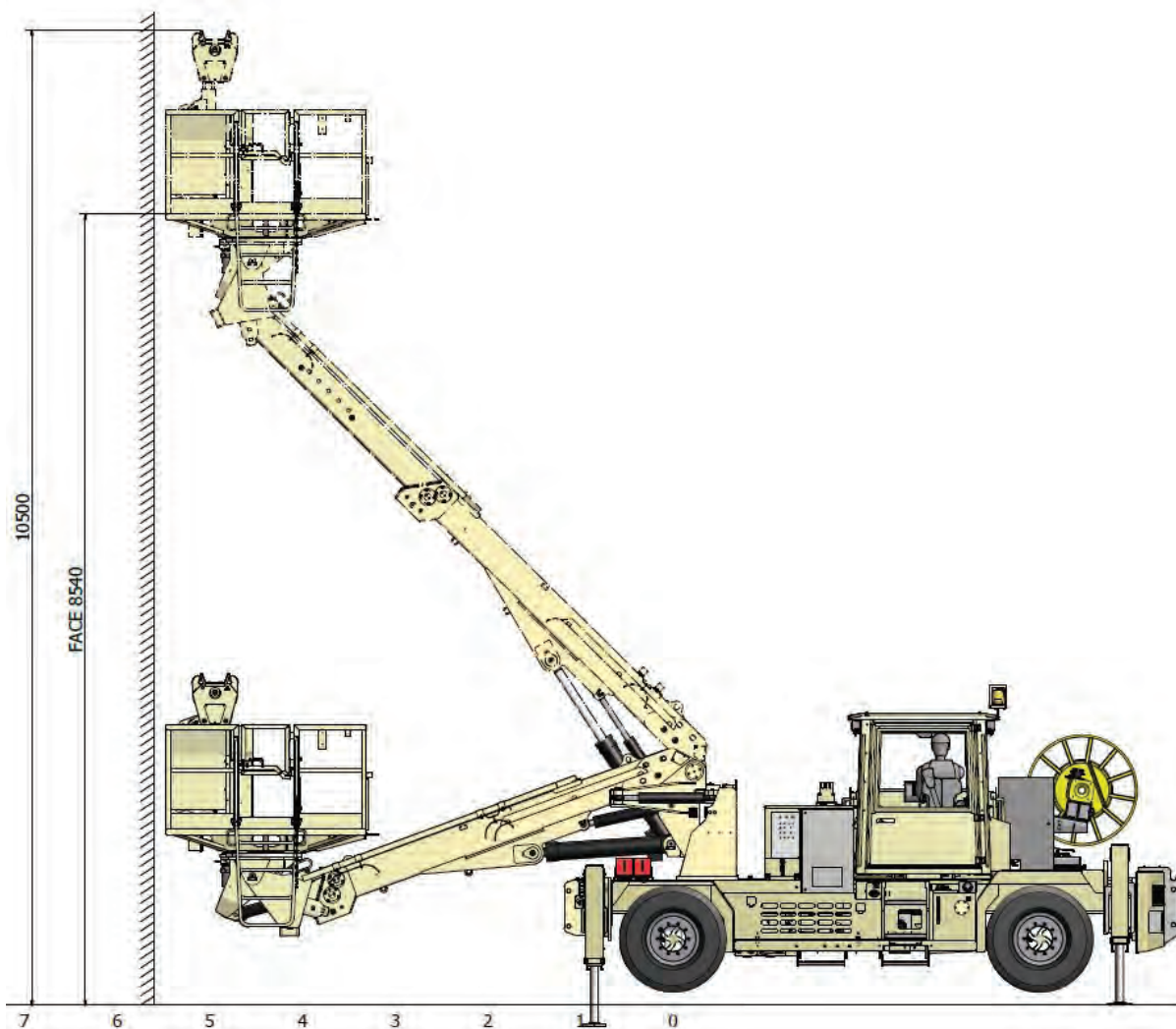
Operating	22 500 kg
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### Dimensions



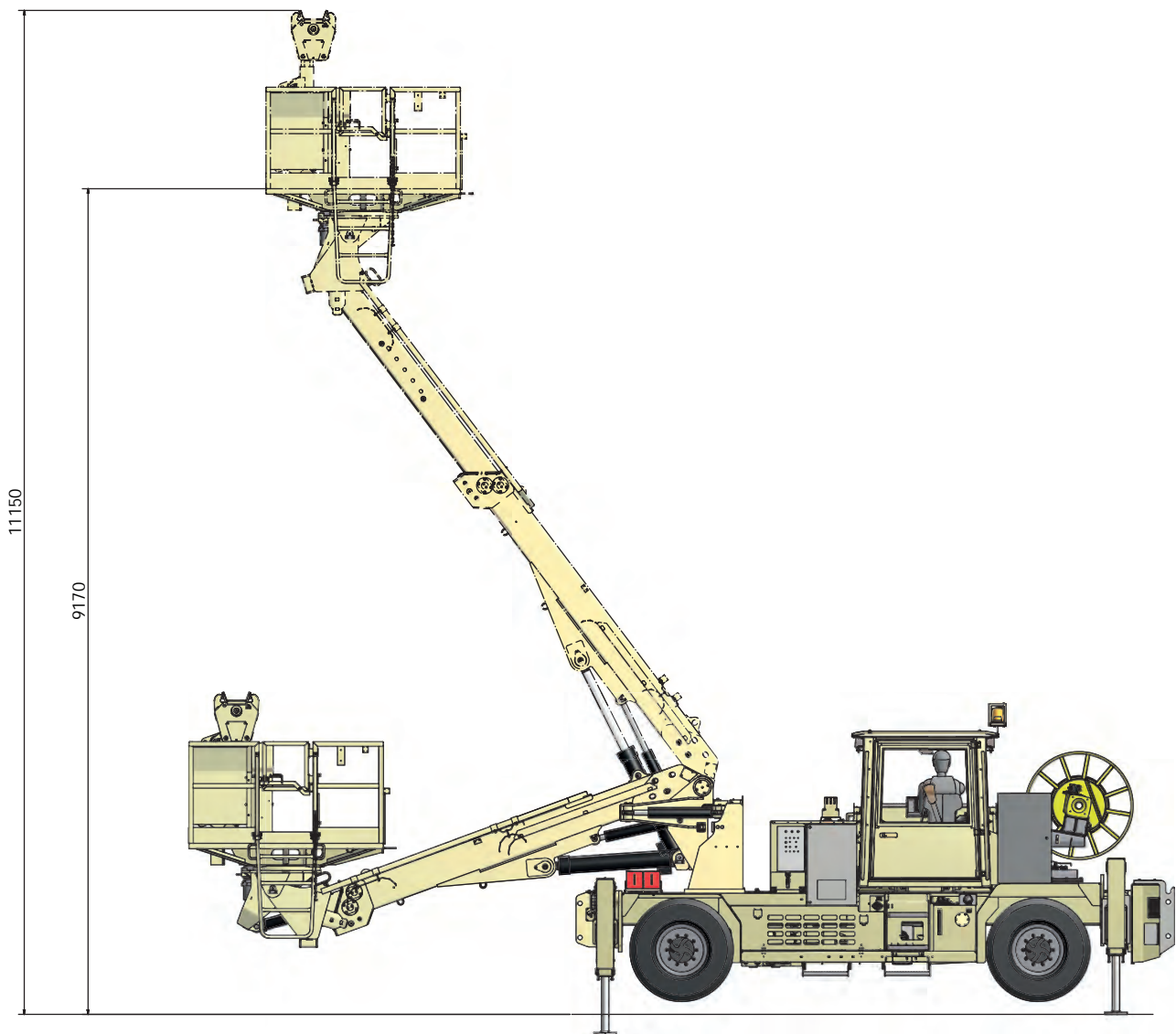
### TOP VIEW



### BOOM REACH

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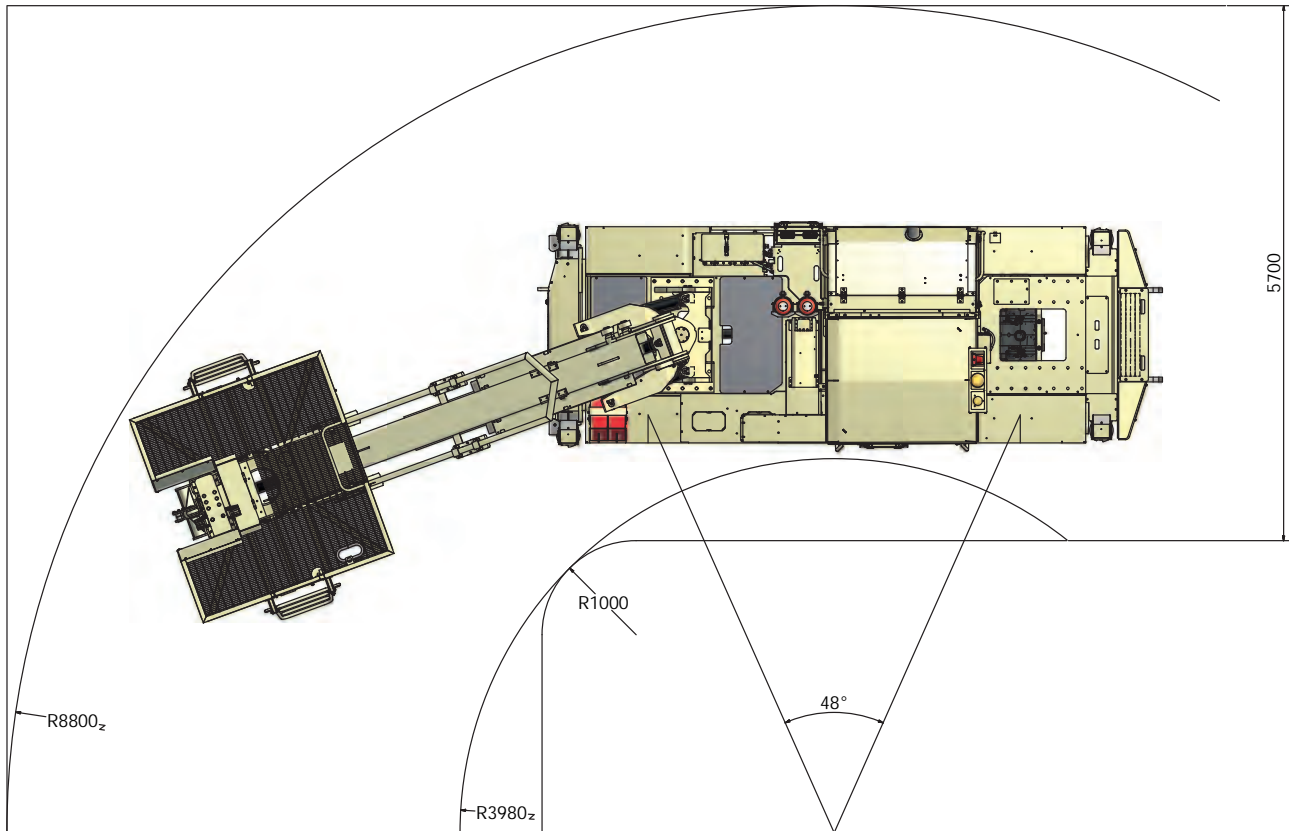
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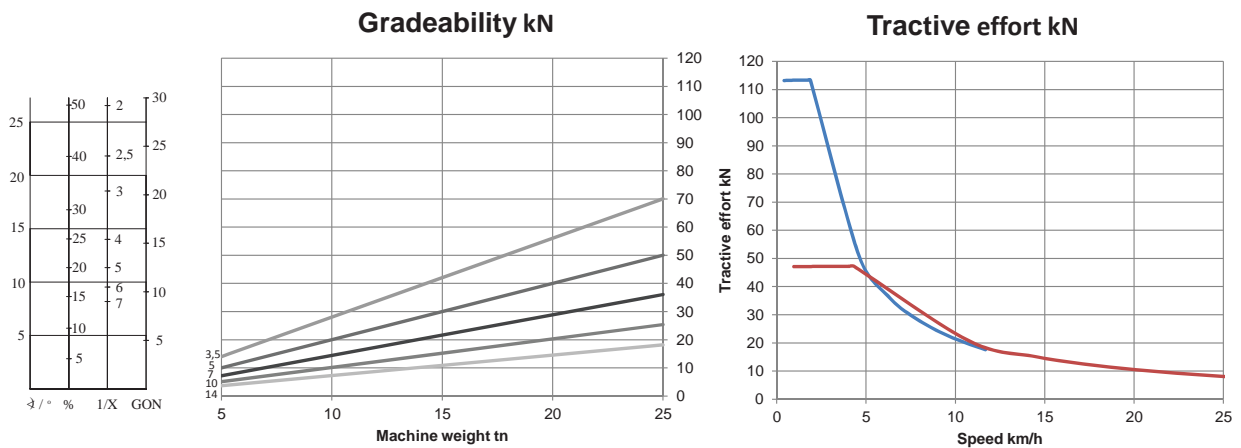


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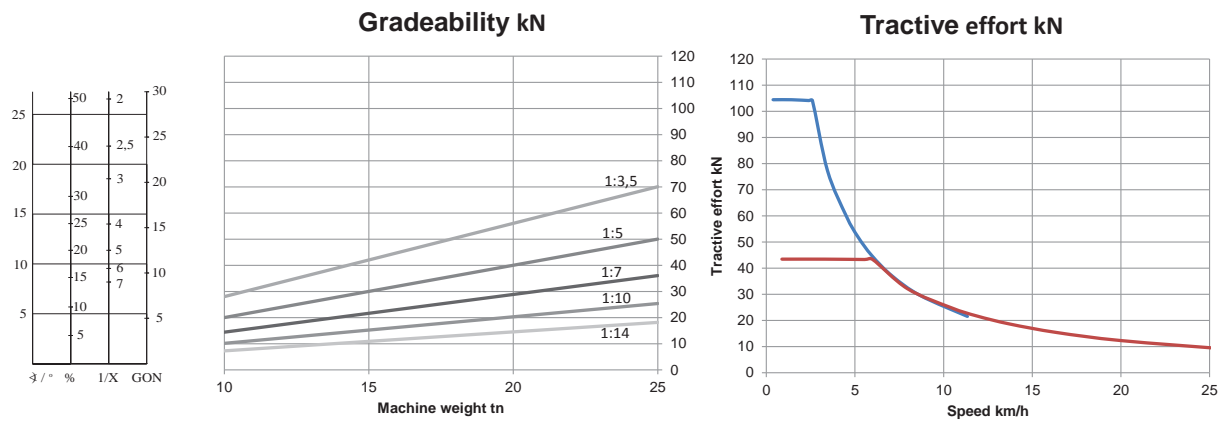
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### Tractive efforts



### CUMMINS B4.5 121kW Stage V Performance curve



### CUMMINS QSF4.5 110kW Tier3 Performance curve