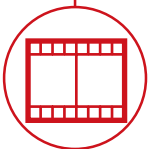




CONSTRUCTION



LOGISTICS



EVENTS AND
FILM



FORESTRY



RTH

8.35 TC

RTH 8.35 TC



CAB

Best-in-class
safety and visibility



PERFORMANCE

Unrivalled lifting
performance

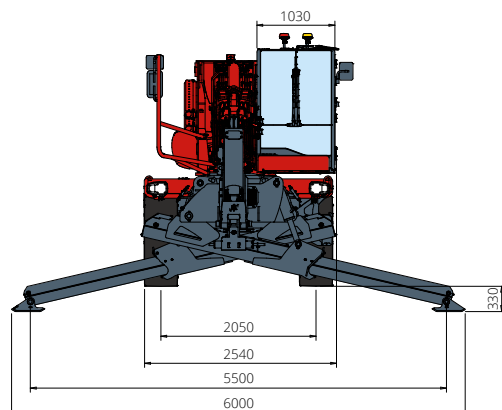


LOAD LIVE DIAGRAM

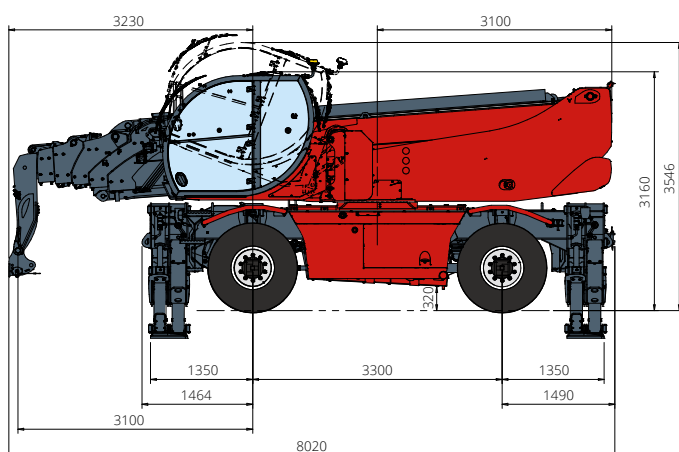
Three real-time dynamic
load charts

RTH 8.35 TC

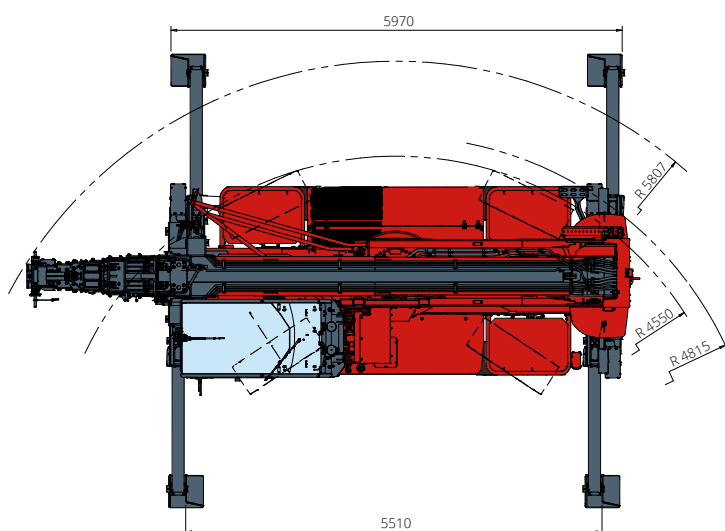
DIMENSIONS (mm)



FRONT
view

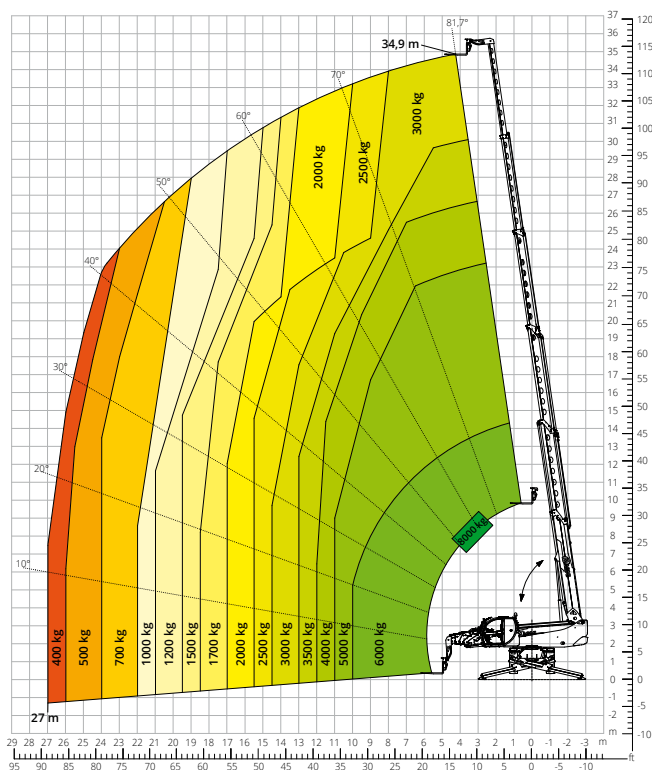


SIDE
view

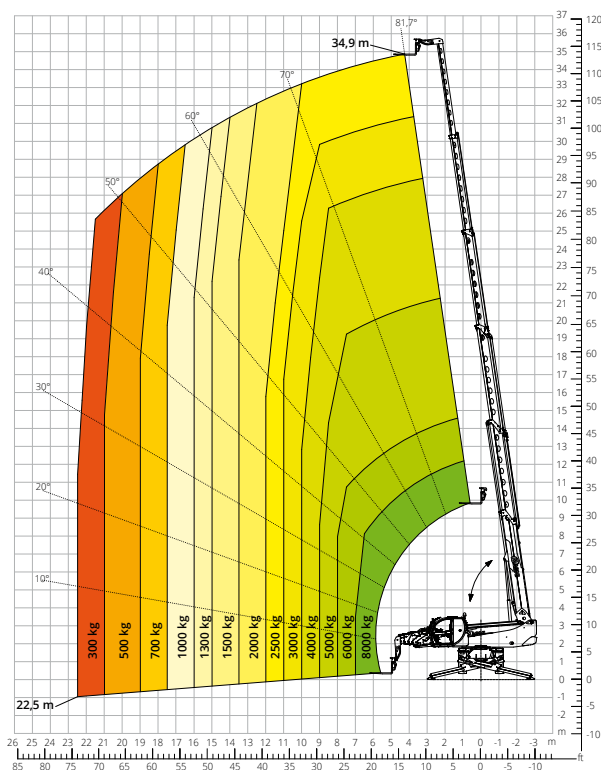


TOP
view

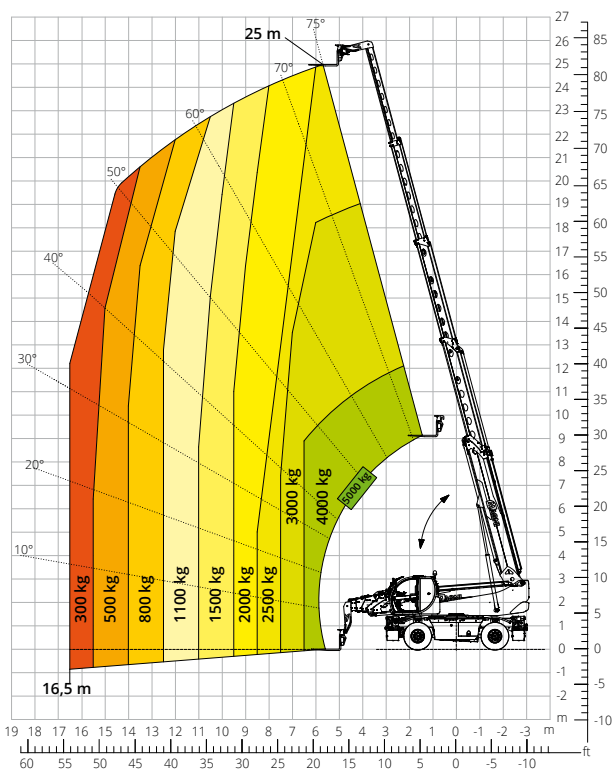
Load chart with
FULLY EXTENDED STABILISERS (360°) - M1
 ATT - 03 - 007



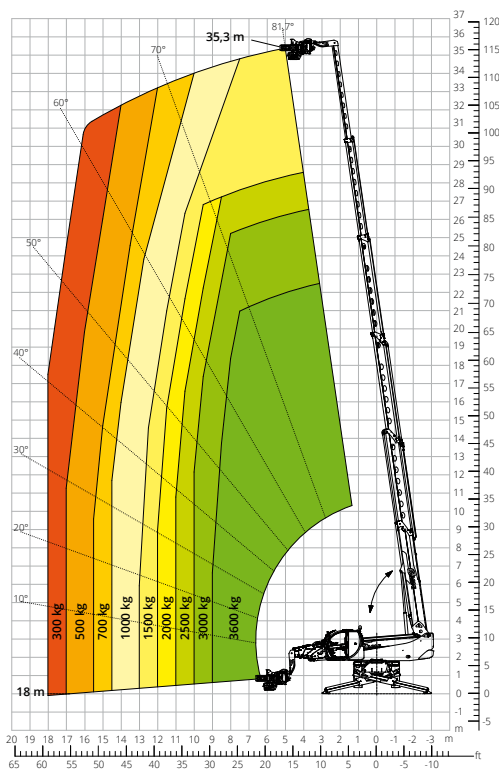
Load chart with
FULLY EXTENDED STABILISERS (360°) - M2
 ATT - 03 - 007



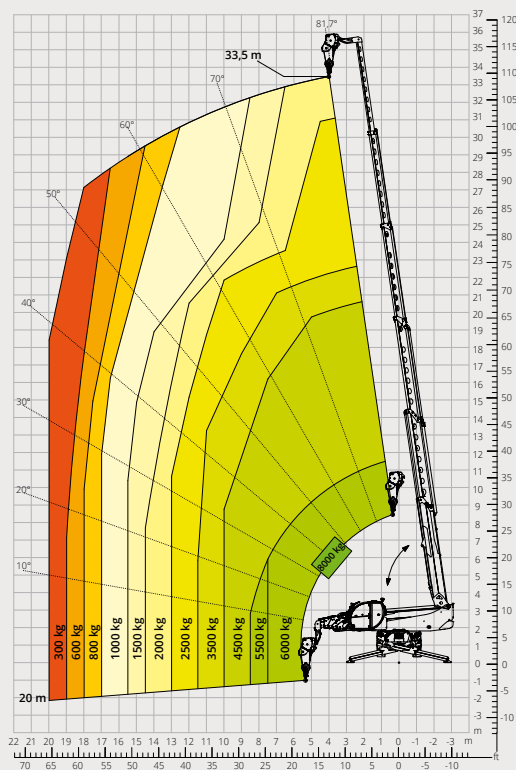
Load chart
FRONT ATTACHMENT ON TYRES
 ATT - 03 - 007



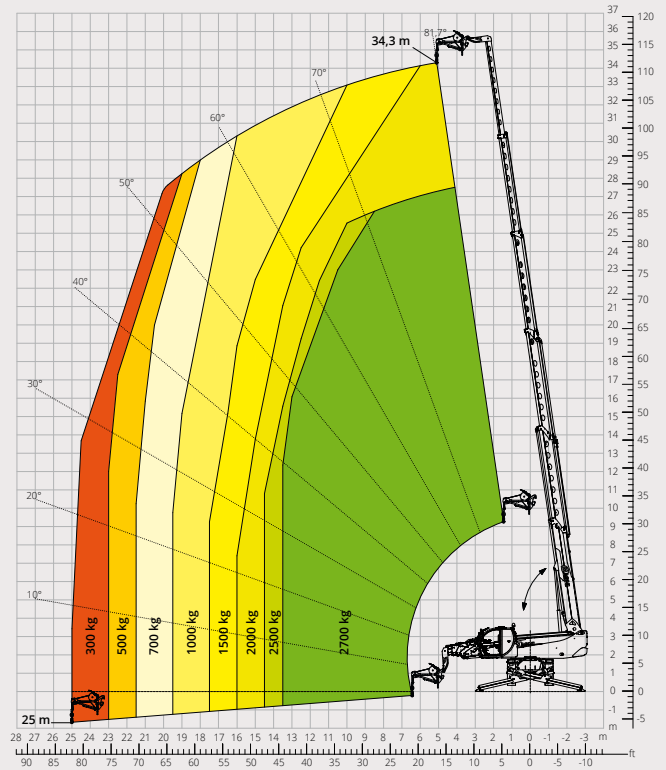
Load chart with
TREE CUTTER
 ATT - 08 - 001



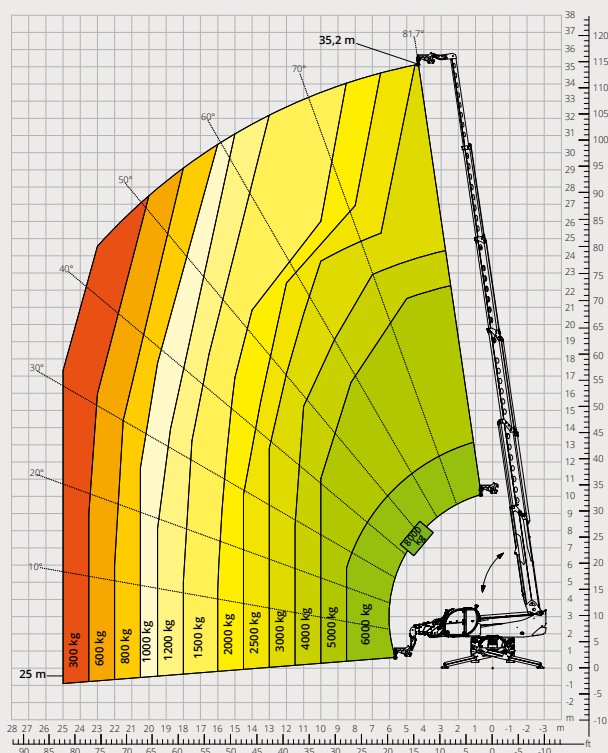
Load chart with
WINCH, 8,000 kg - M1
 ATT - 02 - 006



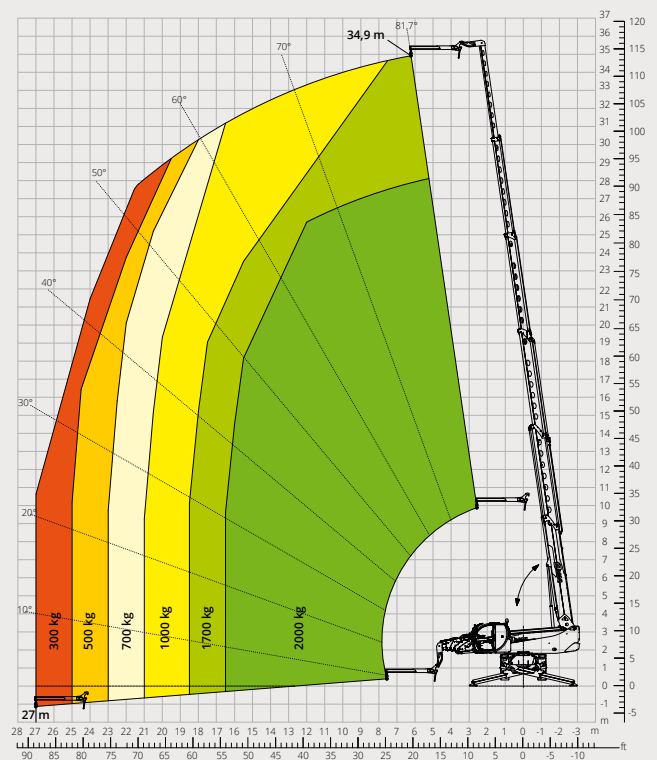
Load chart with
JIB WITH WINCH, 2,700 kg
 ATT - 04 - 017



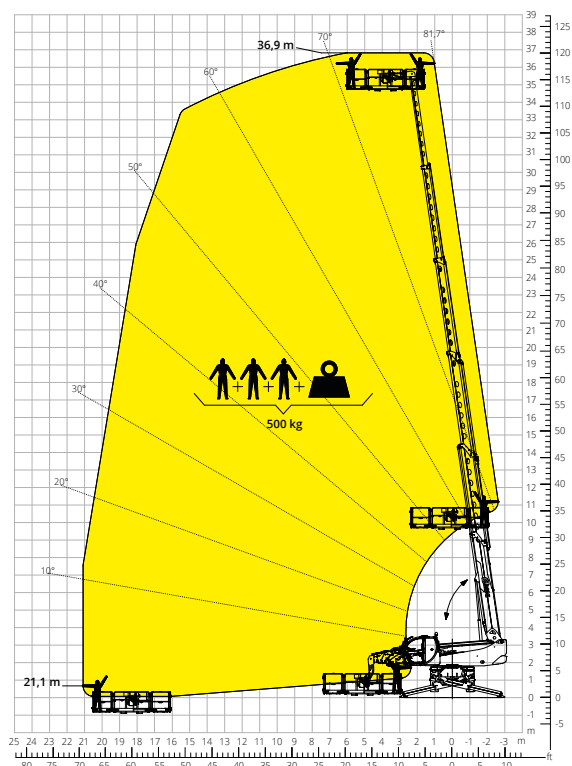
Load chart with
HOOK, 8,000 kg - M1
 ATT - 05 - 003



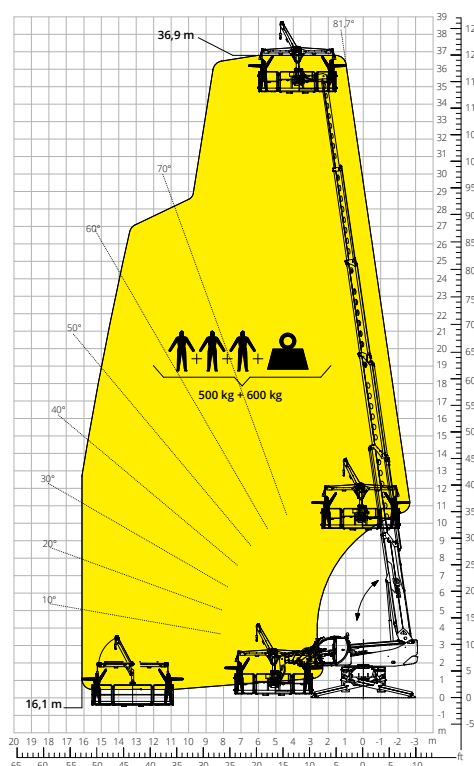
Load chart with
JIB, 2,000 kg
 ATT - 04 - 013



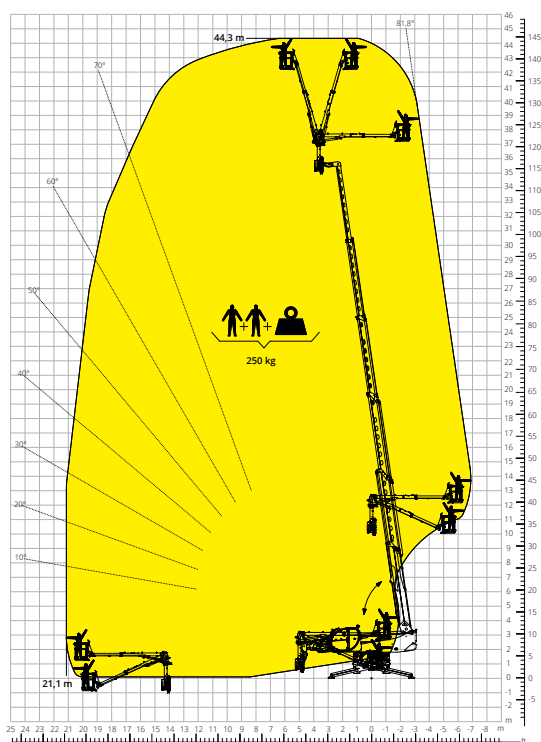
Load chart with
ROTATING EXTENDABLE PLATFORM, 500 kg
ATT - 01 - 007



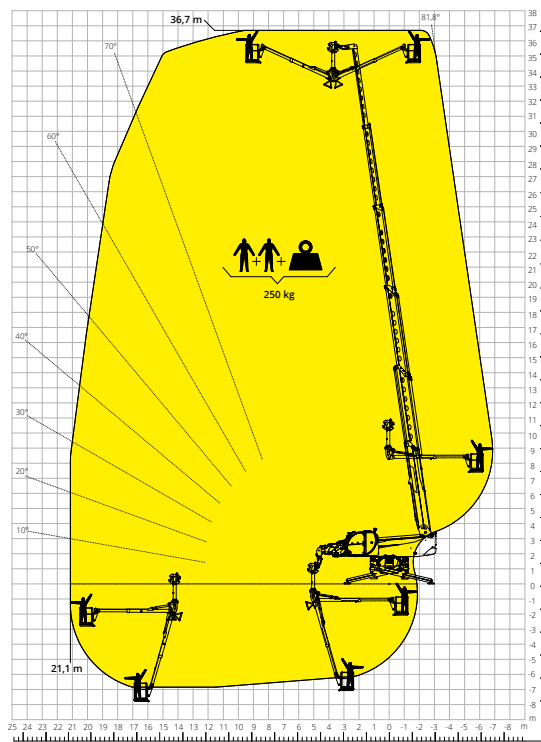
Load chart with
PLATFORM, 500 kg, WITH WINCH, 600 kg
ATT - 01 - 026



Load chart with
OVER-UNDER PLATFORM - POSITIVE
ATT - 01 - 024



Load chart with
OVER-UNDER PLATFORM - NEGATIVE
ATT - 01 - 024



Machine model	Rotating telescopic handler		RTH 8.35 TC
	Maximum lifting capacity		8,000 kg
	Maximum lifting height		34.90 m
	Maximum reach		27.00 m
	Rotation		360° (continuous)
Stabilisers	Type		Telescopic scissor
Engine	Model	Volvo TAD 552 VE Stage IIIA	Volvo TAD 583 VE Stage V
	Rated power	160 kW (218 hp) at 2,200 rpm	175 kW (238 hp) at 2,300 rpm
	Maximum torque	910 Nm at 1,450 rpm	975 Nm at 1,380 rpm
	Displacement	5.13 l	
	Cylinders	4 in line	
	Engine configuration	Turbocharged direct injection diesel	
	Cooling system	Water – intercooler	
Transmission	Type		Hydrostatic
	Maximum pressure		480 bar
	Gearbox		Dropbox, 2 speeds forward-reverse
Axles and brakes	Type		Axles with planetary gearboxes
	Front axle		Oscillating and steering with levelling +/-8°
	Rear axle		Oscillating and steering with hydraulic lock
	No. of driving - steering wheels		4WD - 4WS
	Steering mode		Frontal/Concentric/Crab
	Service brake		Wet multi-disk on front and rear axle
	Parking brake		Hydraulic with negative action on front axle
Performance	Tyre sizes		445/65 R22.5
	Max. travel speed**		25 km/h
	Gradeability (unladen)		62%
	Turning radius (at forks)		6.780 mm
Weights	Total unladen*		24.500 kg
Tank and system capacities	Diesel fuel	270 l	270 l
	AdBlue	-	40 l
	Hydraulic fluid	215 l	215 l
	Engine oil	16 l	16 l
	Coolant	40 l	40 l
Hydraulic circuit for movements	Circuit type		Load sensing
	Service pump		Variable displacement
	Max. hydraulic flow rate		160 l/min
	Max. boom head flow rate		75 l/min
	Max. working pressure		350 bar
	Distributor for boom and turret movements		SIL 2 electro-proportional valve
	Movements control		Dual joystick with integrated manoeuvre enable
Standards met	2006/42/EC: EU Machinery Directive		
	2016/1628: EU Regulation on the emissions of stage V engines		
	EN 1459-X: relating to standards on the safety requirements for variable-reach trucks		
	EN 280-1/EN 280-2: standards relating to mobile elevating work platforms (if available)		
	ROPS/level 2 FOPS: relating to the standards for protective structures		

The data given in this brochure are provided for information purposes and are subject to change without prior notice.

All images are purely guideline and might not give an exact representation of the product.

*the stated weight refers to the vehicle unladen with standard equipment and may vary depending on the chosen configuration.

**Maximum speed may be limited depending on the country of destination.

The standard machine configuration includes:

CAB

- Tilting cab up to 21°
- "Easy access" system
- Premium tilting seat with air suspension and headrest
- Adjustable steering column
- Analogue joystick
- Adjustable sunblind
- Heating
- Air conditioning
- FM/AM radio with USB and Bluetooth connectivity
- Ambient LED lights
- USB Type-A and Type-C (5 V) inputs

REAL TIME INFORMATION

- Touchscreen, 12"
- MCTS – Magni Combi Touch System on-board software
- Automatic RFID tools recognition system
- LMI – Load Moment Indicator
- LLD – Live Load Diagram
- Onboard and remote integrated diagnostics
- Reversing camera with image integrated in the MCTS

TECHNICAL SPECIFICATIONS

- Q-Fit standard
- Provision for platform
- Advanced three-line CAN BUS system
- Automatic levelling system for outriggers
- Automatic front and rear wheel alignment
- High-precision turret rotation motor by Liebherr
- Automatic parking brake
- Mechanical battery cut-off in engine compartment
- Electrical system: 24 V – IP67

SERVICE

- MyMagni by Trackunit connectivity system (Free of charge on request)
- Warranty: 24 months/2,000 hours