MAGNI
TELESCOPIC HANDLERS

RTH 8.27

CONSTRUCTION

LOGISTICS

EVENTS AND FILM

FORESTRY



RTH 8.27



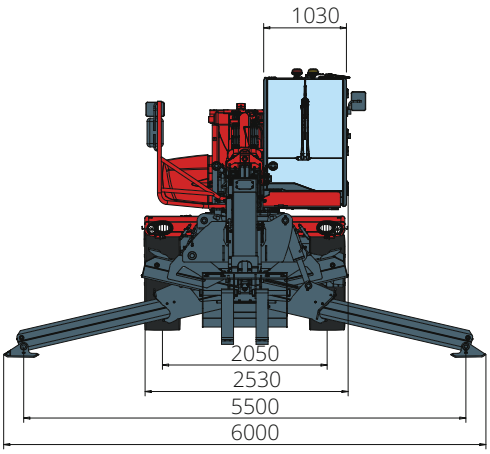
CAB
Best-in-class
safety and visibility

PERFORMANCE
Unrivalled lifting
performance

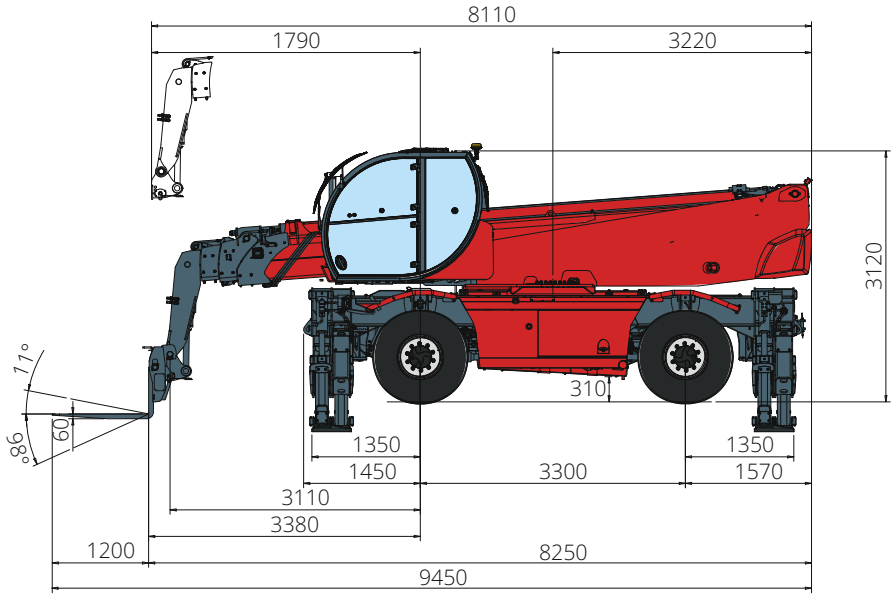
LOAD LIVE DIAGRAM
Three real-time dynamic
load charts

RTH 8.27

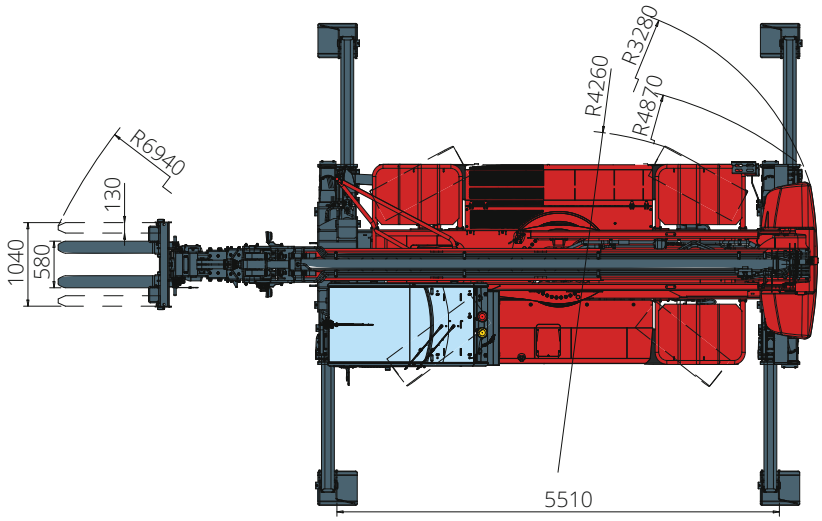
DIMENSIONS (mm)



FRONT view

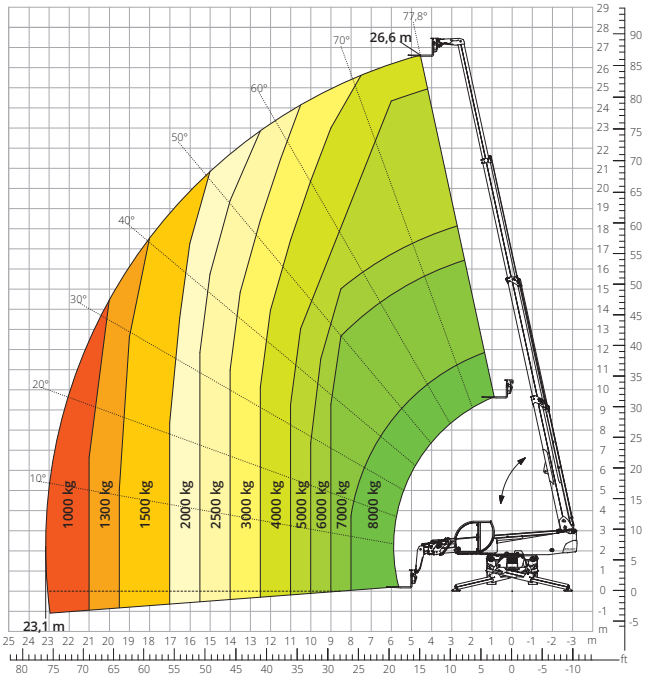


SIDE view

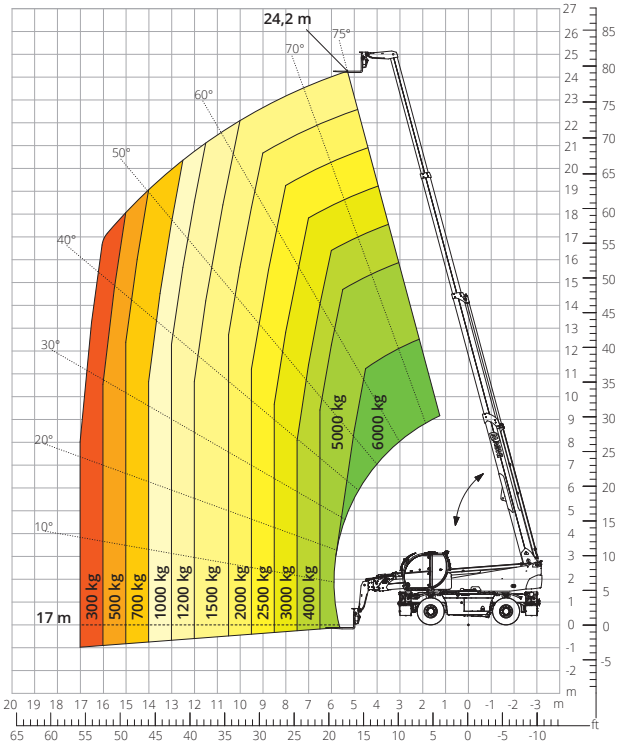


TOP view

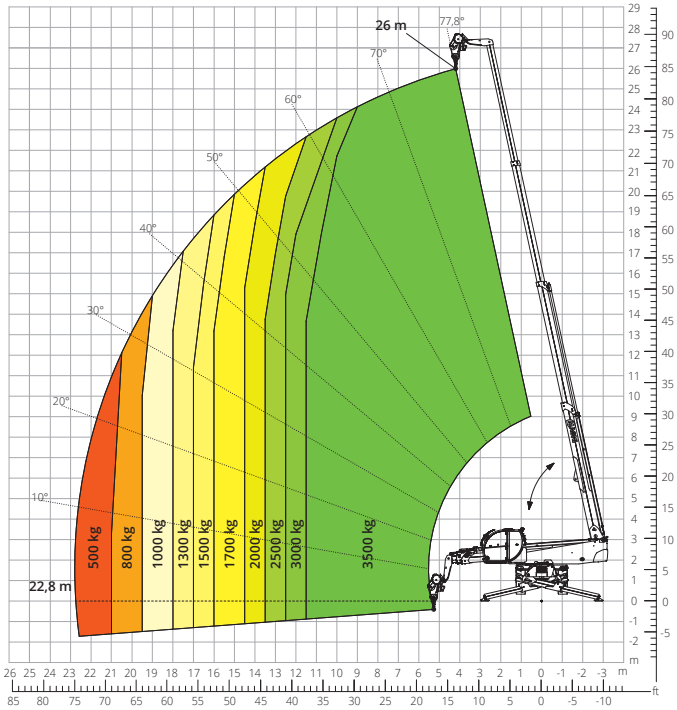
Load chart with
FULLY EXTENDED STABILISERS (360°)
ATT - 03 - 007



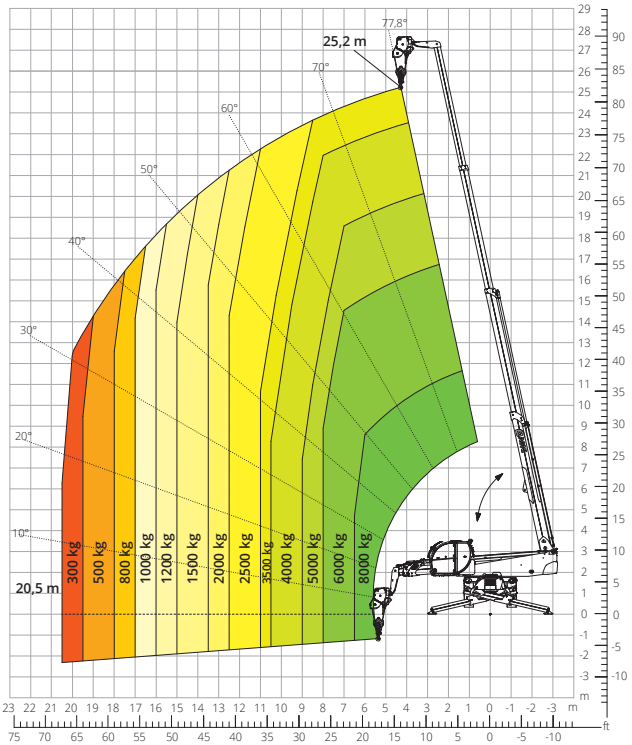
Load chart
FRONT ATTACHMENT ON TYRES
ATT - 03 - 007



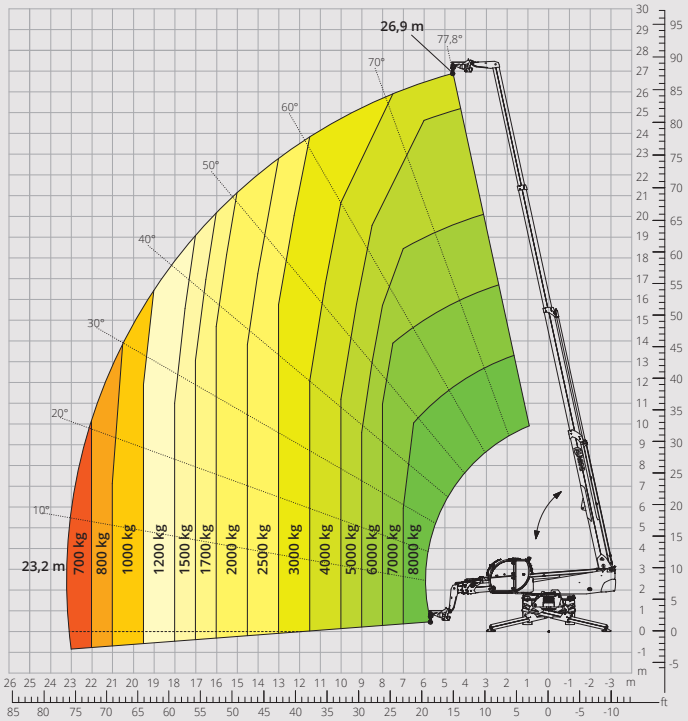
Load chart with
WINCH, 3,500 kg
ATT - 02 - 002



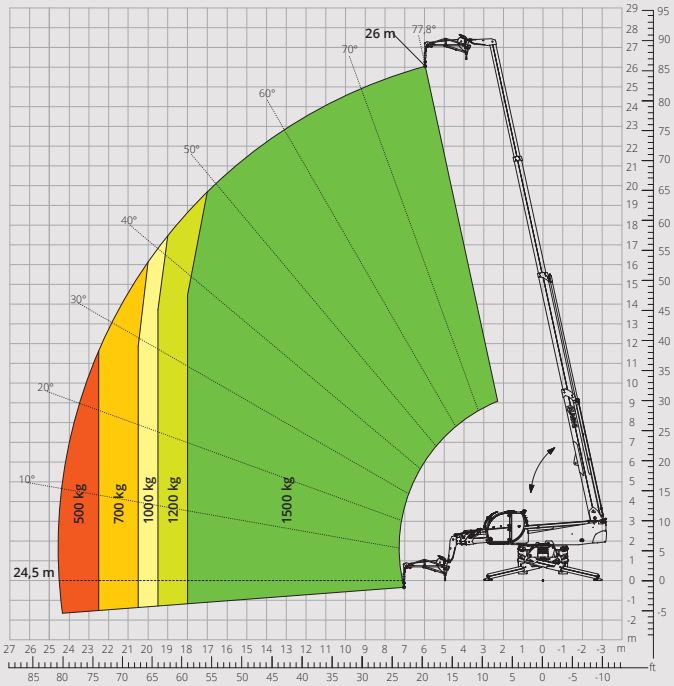
Load chart with
WINCH, 8,000 kg
ATT - 02 - 006



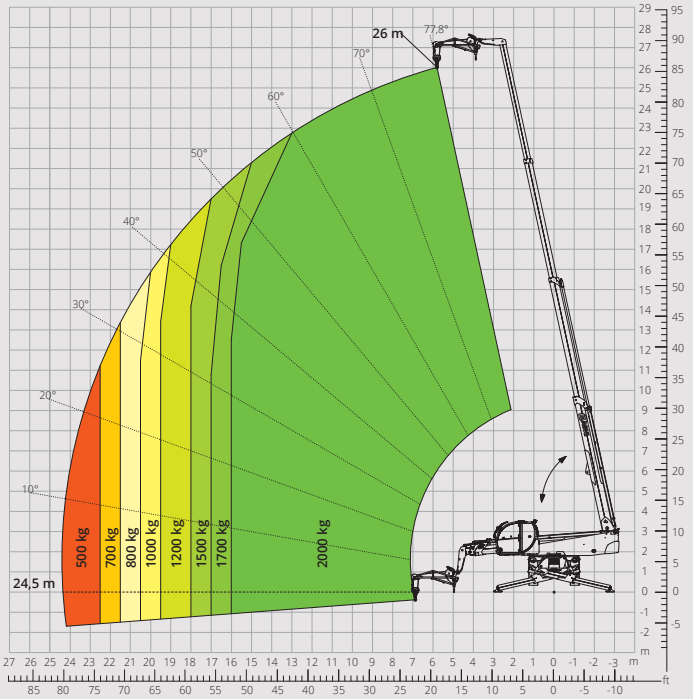
Load chart with
HOOK, 8,000 kg
ATT - 05 - 003



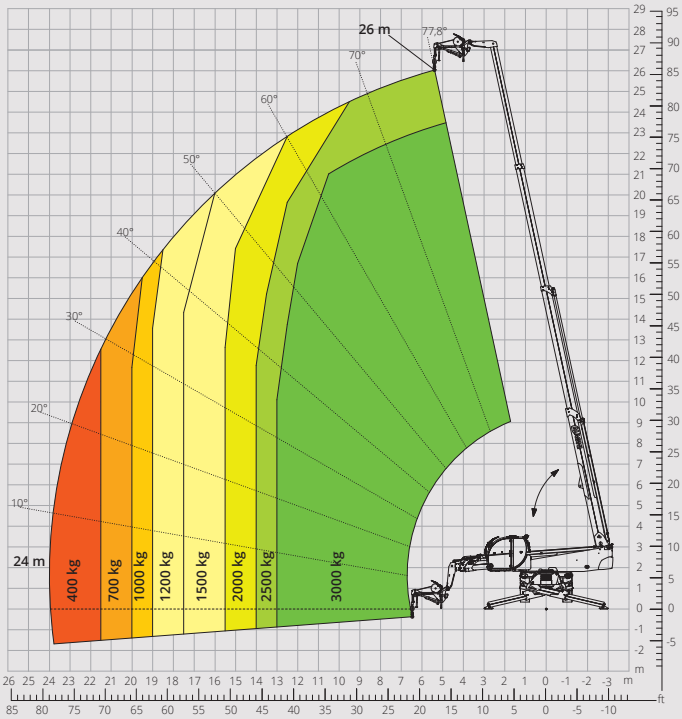
Load chart with
JIB WITH WINCH, 1,500 kg
ATT - 04 - 011



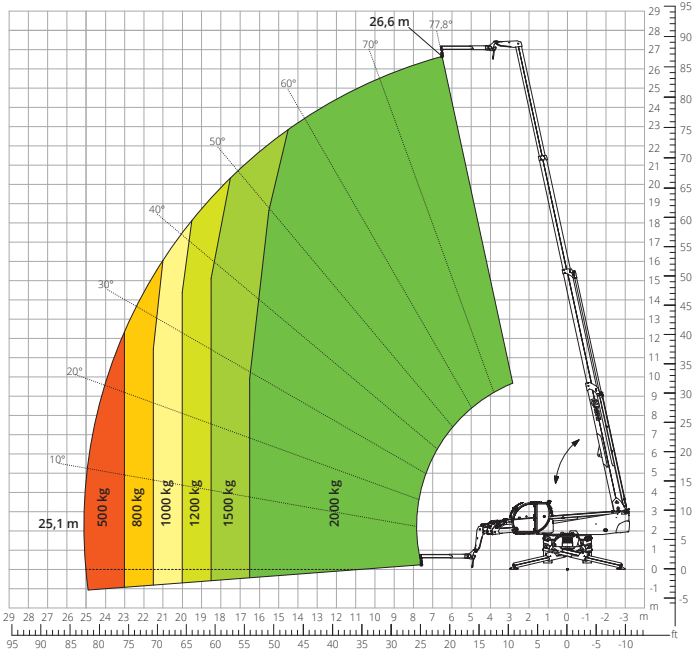
Load chart with
JIB WITH WINCH, 2,000 kg
ATT - 04 - 015



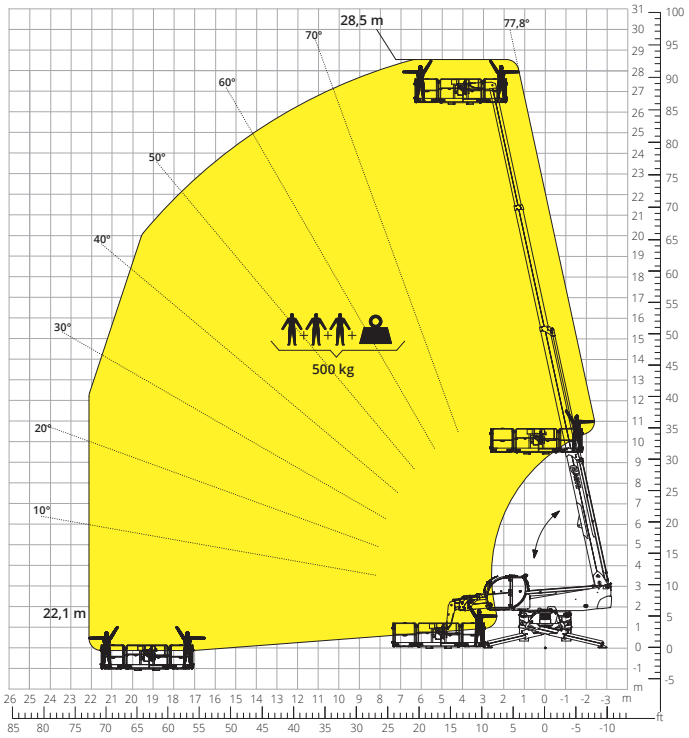
Load chart with
JIB WITH WINCH, 3,000 kg
ATT - 04 - 019



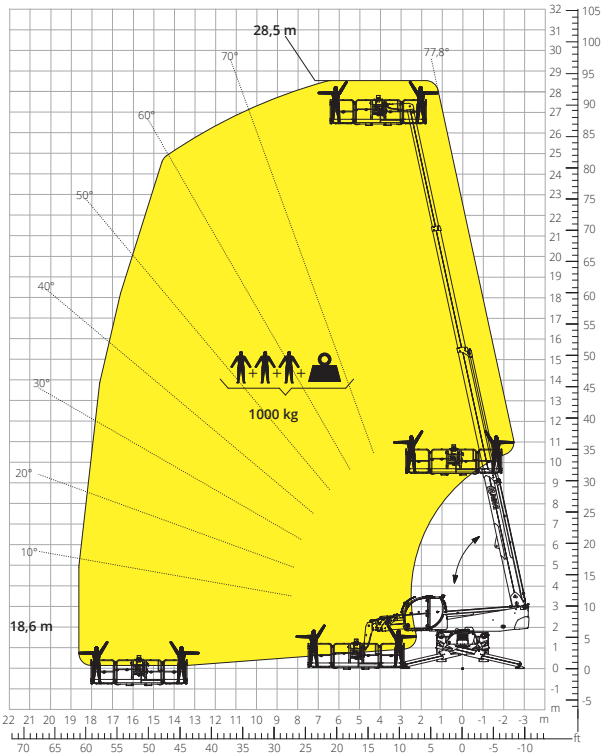
Load chart with
JIB, 2,000 kg
ATT - 04 - 013



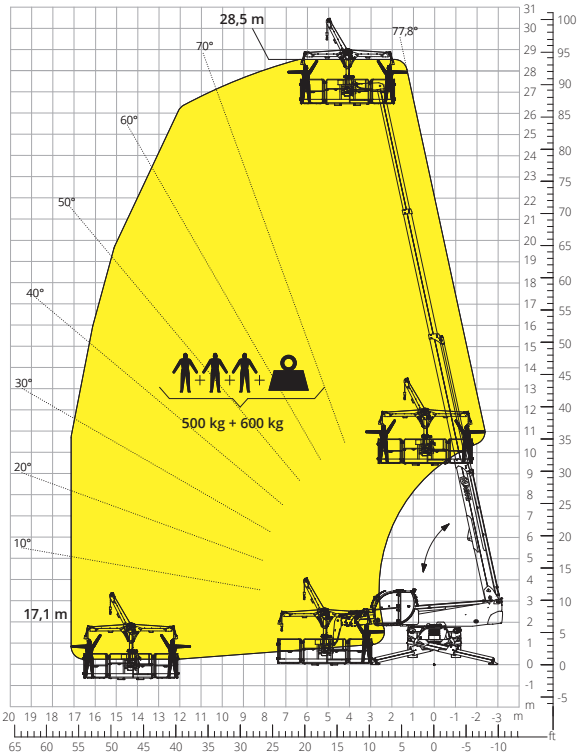
Load chart with
ROTATING EXTENDABLE PLATFORM, 500 kg
ATT - 01 - 007



Load chart with
ROTATING EXTENDABLE PLATFORM, 1,000 kg
ATT - 01 - 016



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



Machine model	Rotating telescopic handler	RTH 8.27	
	Maximum lifting capacity	8,000 kg	
	Maximum lifting height	26.60 m	
	Maximum reach	23.10 m	
	Rotation	360° (continuous)	
Stabilisers	Type	Telescopic scissor	
Engine	Model	**Volvo TAD 552 VE Stage IIIA**	**Volvo TAD 582 VE Stage V**
	Rated power	160 kW (218 hp) at 2,200 rpm	160 kW (218 hp) at 2,300 rpm
	Maximum torque	910 Nm at 1,450 rpm	925 Nm at 1,380 rpm
	Displacement	5.13 l	
	Cylinders	4 in line	
	Engine type	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	
	Tyre sizes	445/65 R22.5	
Performance	Max. travel speed	40 km/h	
	Gradeability (unladen)	66%	
	Turning radius (at forks)	6,940 mm	
Weights	Total unladen*	22,500 kg	
Tank and system capacities	Diesel fuel	270 l	270 l
	AdBlue	-	40 l
	Hydraulic fluid	164 l	164 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 machines 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.*

The standard machine configuration includes:

CAB

"Easy access" system
Premium tilting seat with air suspension and headrest
Adjustable steering column
Analogue joypad
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