MAGNI
TELESCOPIC HANDLERS

TH
5,5.15 P

CONSTRUCTION

LOGISTICS

EVENTS AND FILM



TH
5,5.15 P



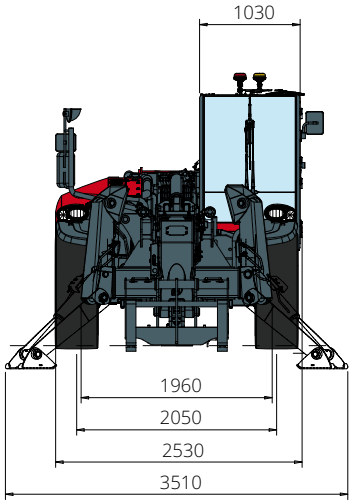
CAB
Best-in-class
safety and visibility

PERFORMANCE
Unrivalled lifting
performance

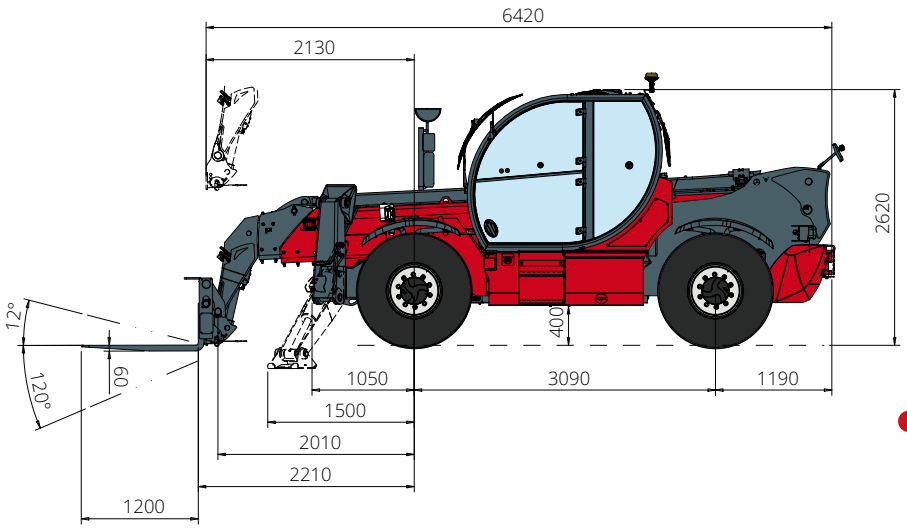
LOAD LIVE DIAGRAM
Two real-time dynamic
load charts

TH
5,5.15 P

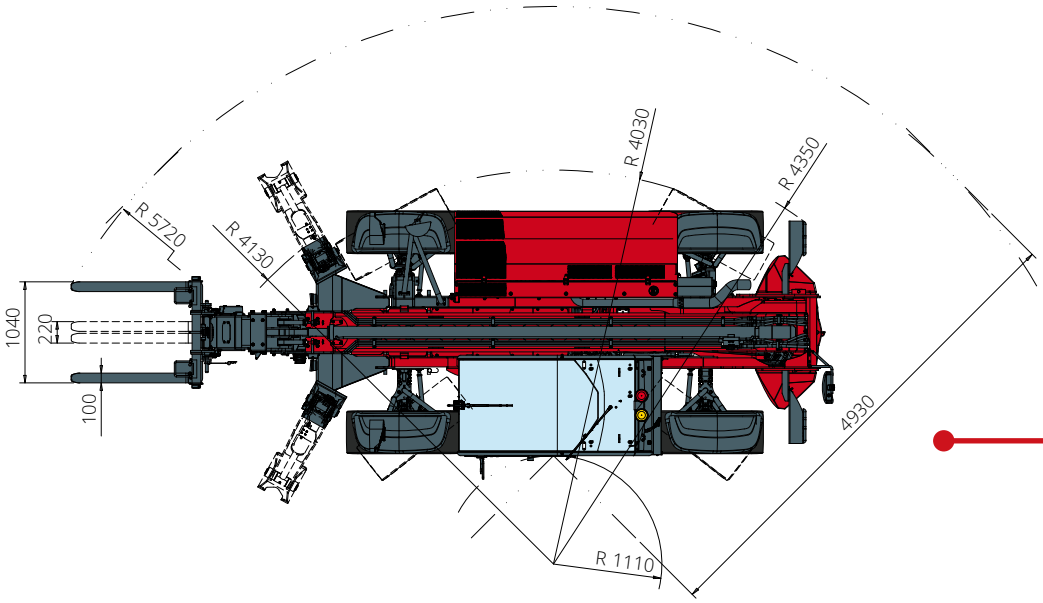
DIMENSIONS (mm)



FRONT view



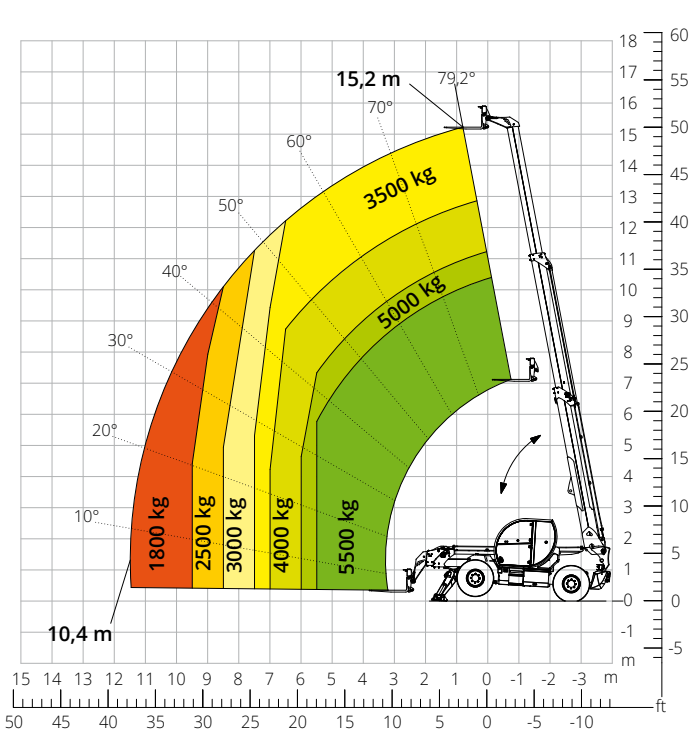
SIDE view



TOP view

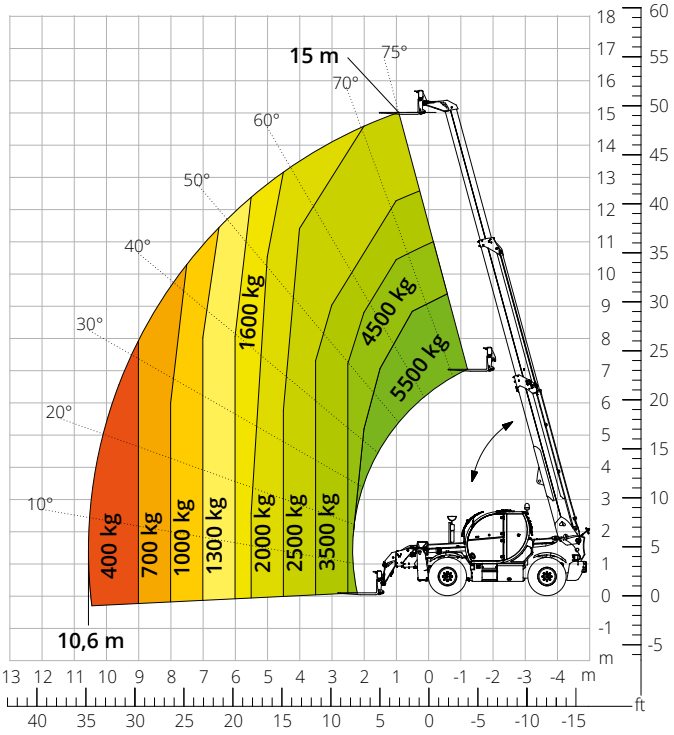
Load chart with
FULLY EXTENDED STABILISERS (360°)

ATT-03-040



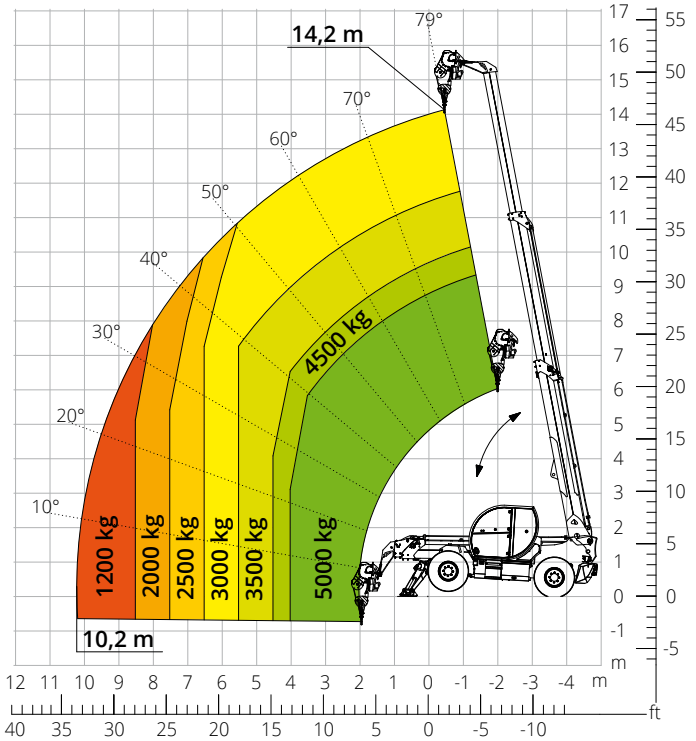
Load chart
FRONT ATTACHMENT ON TYRES

ATT-03-040



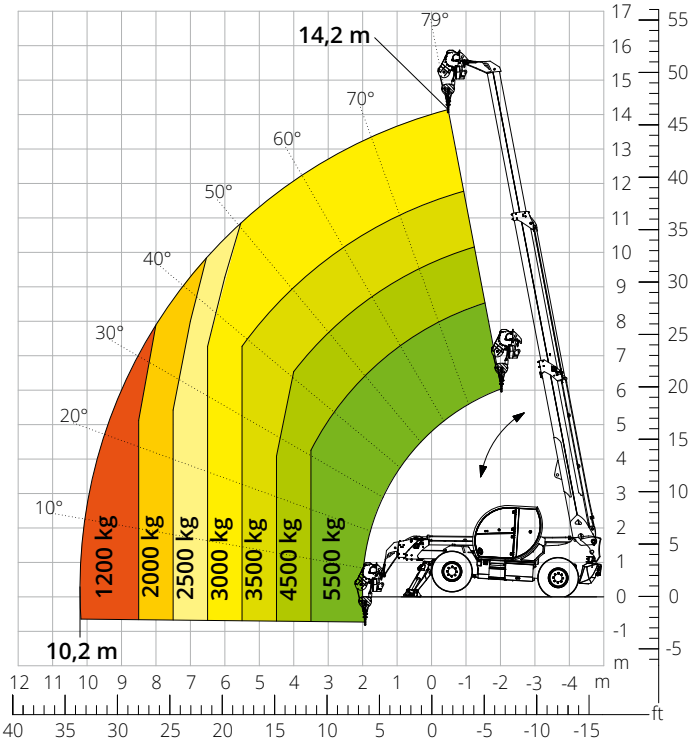
Load chart with
WINCH 5,000 kg

ATT-02-019



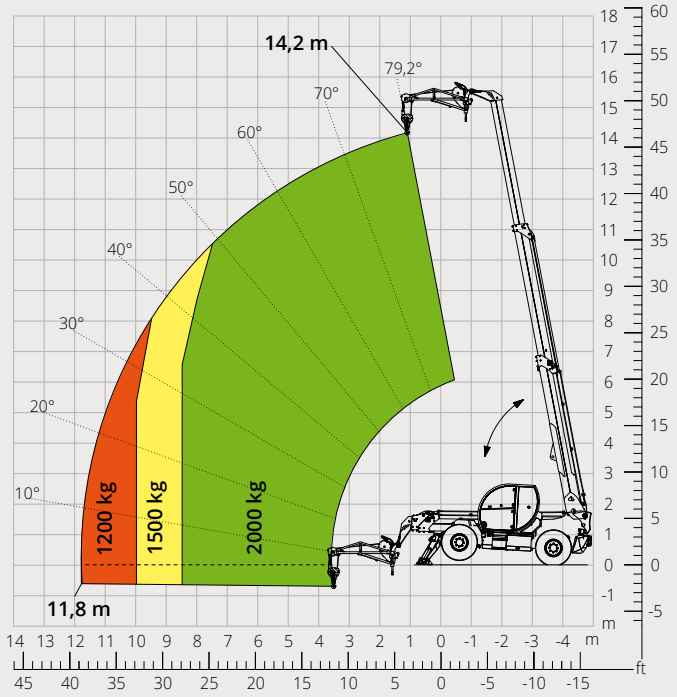
Load chart with
WINCH 6,000 kg

ATT-02-004



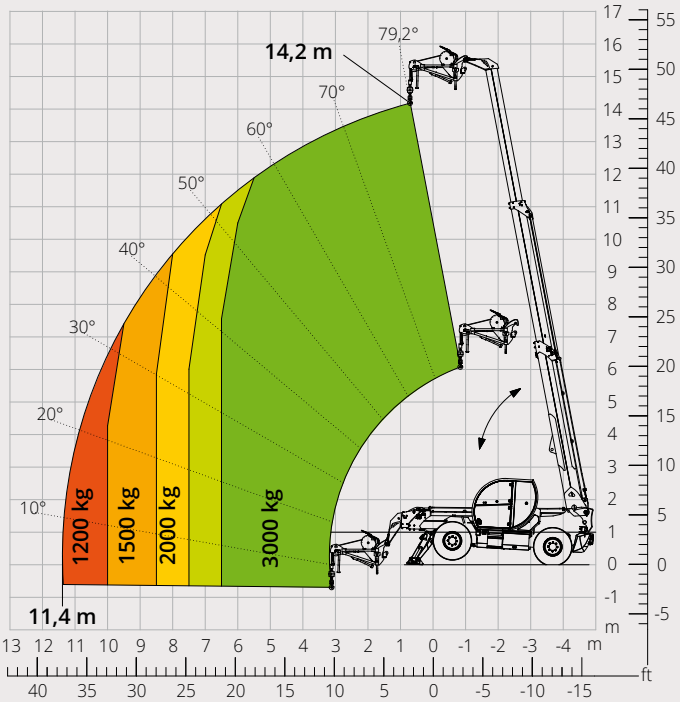
Load chart with
JIB WITH WINCH 2,000 kg

ATT-04-015



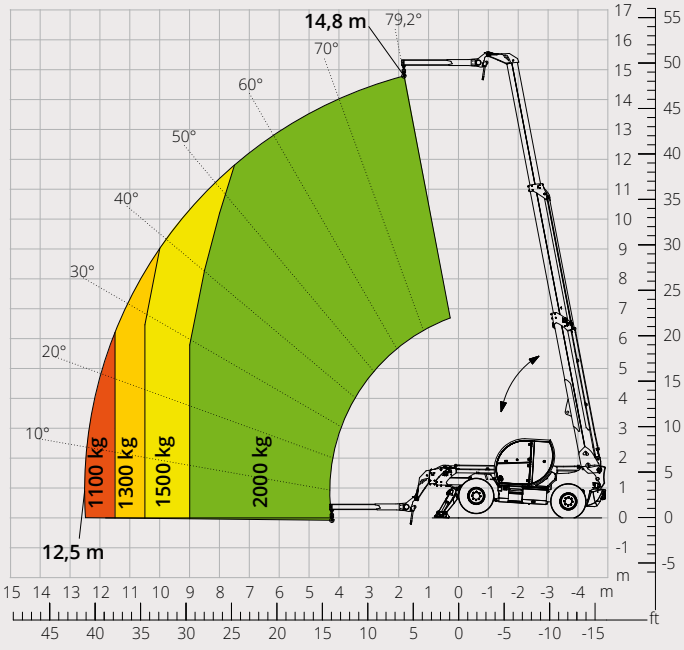
Load chart with
JIB WITH WINCH 3,000 kg

ATT-04-019



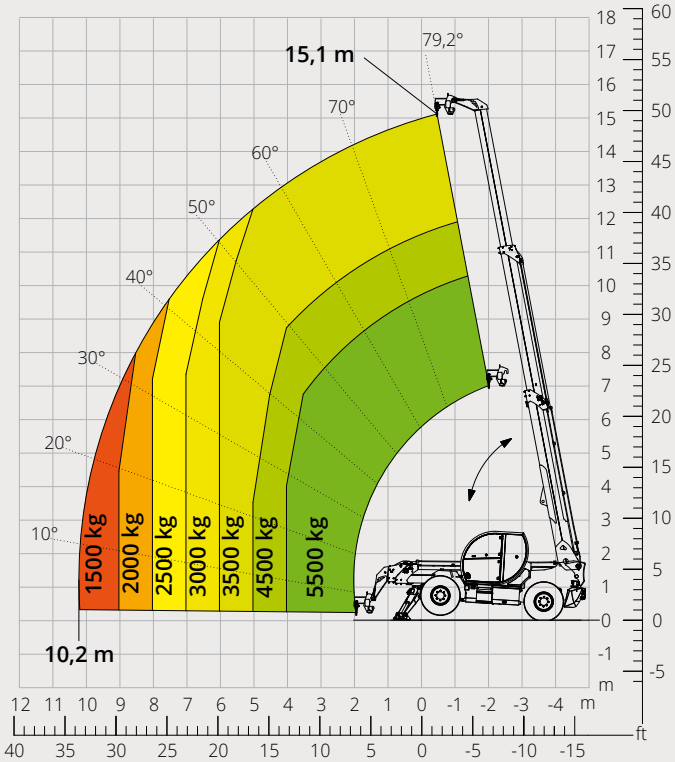
Load chart with
JIB 2,000 kg

ATT-04-013



Load chart with
HOOK 6,000 kg

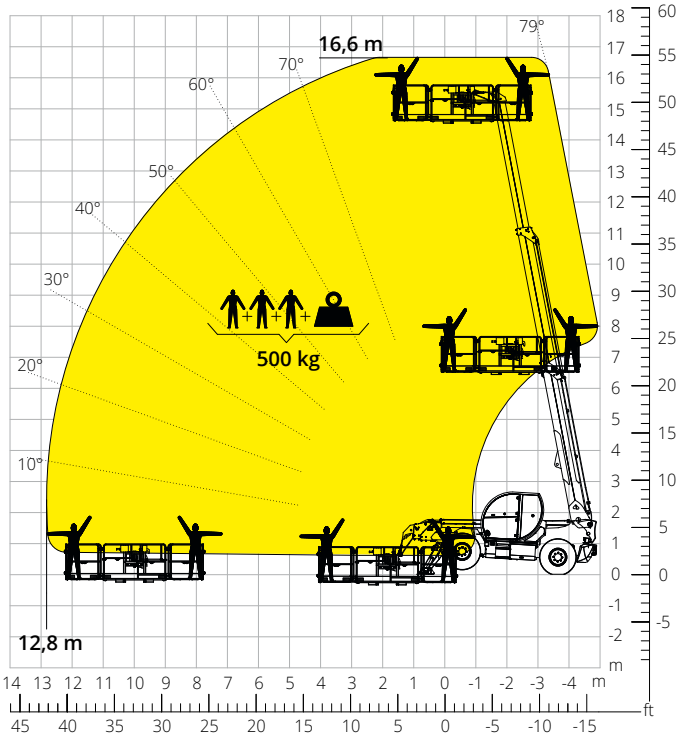
ATT-05-001



Load chart with

ROTATING EXTENDABLE PLATFORM 500 kg

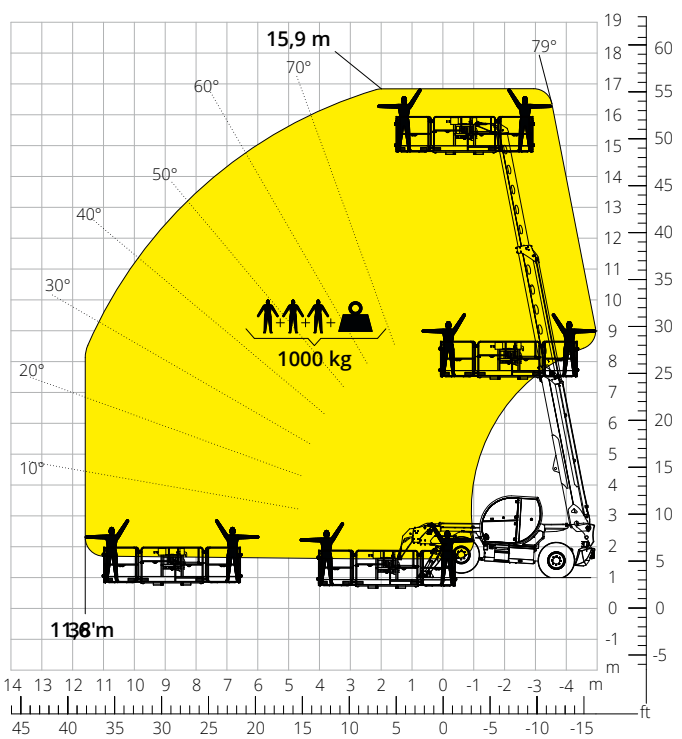
ATT - 01 - 007



Load chart with

ROTATING EXTENDABLE PLATFORM 1,000 kg

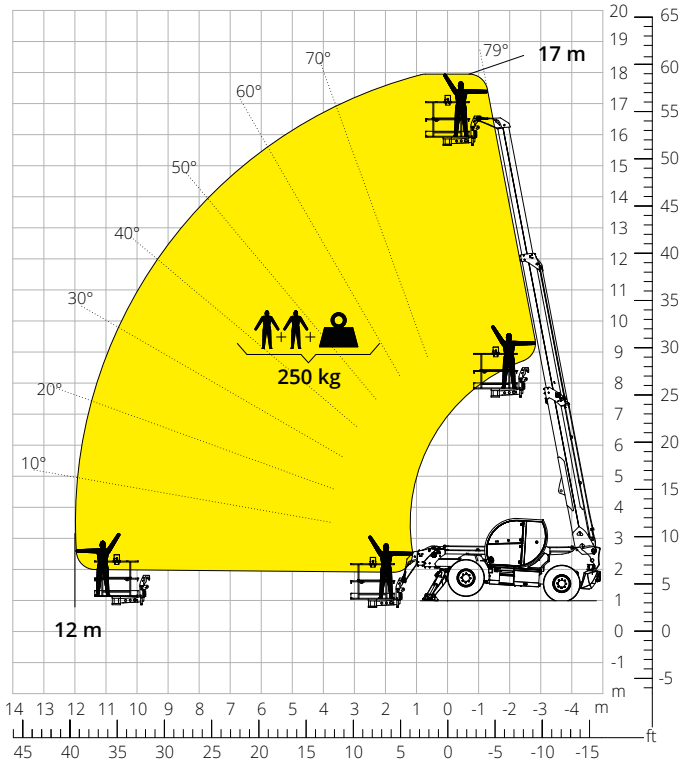
ATT - 01 - 016



Load chart with

FIXED EXTENDABLE PLATFORM, 250 kg

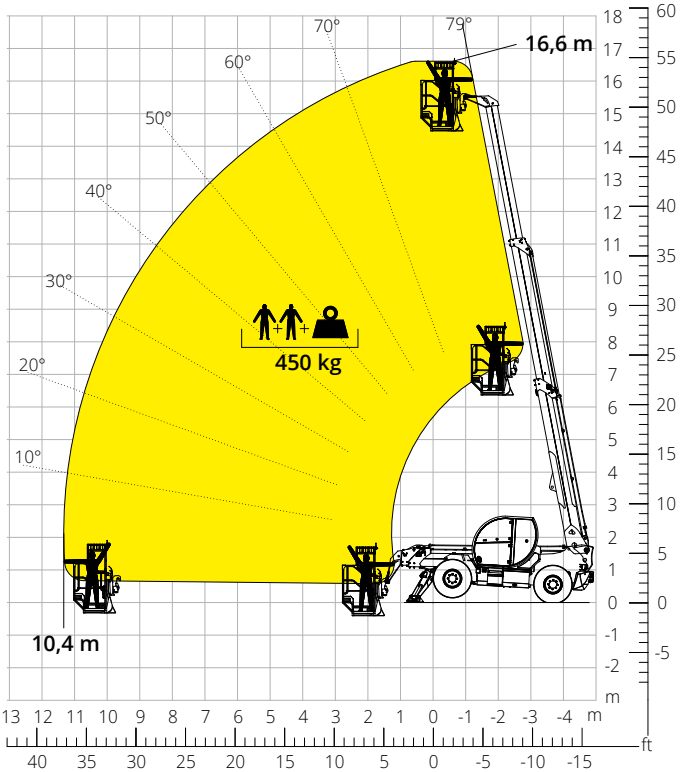
ATT - 01 - 003



Load chart with

PLATFORM, 450 kg, FOR MINES

ATT - 01 - 027



Machine model	Telescopic handler	TH 5,5.15 P	
	Maximum lifting capacity	5.500 kg	
	Maximum lifting height	15.20 m	
	Maximum reach	10,40 m	
Stabilisers	Type	Pivoting stabilisers	
Engine	Model	**Deutz TCD 3.6 L4 Stage V**	**Deutz TCD 3.6 L4 EDG Stage IIIA**
	Rated power	74.4 kW (101.2 hp) at 2,200 rpm	
	Maximum torque	410 Nm at 1,600 rpm	
	Displacement	3,620 cm^3	
	Cylinders	4 in line	
	Engine type	Turbocharged direct injection diesel	
	Cooling system	Water – intercooler	
Transmission	Type	Hydrostatic	
	Maximum pressure	500 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 locking	
	No. of steering wheels	4WS	
	Steering mode	Frontal/Concentric/Crab	
	Service brake	Hydraulically operated wet multi-disk brakes on each axle	
	Parking brake	Spring applied hydraulic release Multi-disk brake (S.A.H.R.)	
	Tyre sizes	445/65 R22,5	
Performance	Max. travel speed	25 km/h	
	Drawbar pull	72 kN	
	Maximum mass towable on hook	3,100 kg	
	Gradeability	54%	
	Turning radius (at forks)	5,710 mm	
Weights	Total unladen*	13,000 kg	
	Front axle unladen (boom retracted and lowered)*	5,450 kg	
	Rear axle unladen (boom retracted and lowered)*	7,550 kg	
Tank and system capacities	Diesel fuel tank	145 l	
	AdBlue	10 l	
	Hydraulic fluid	90 l	
	Engine oil	9 l	
	Cooling liquid	20 l	
Hydraulic circuit for movements	Circuit type	Load sensing	
	Service pump	Variable displacement	
	Max. hydraulic flow rate	120 l/min	
	Max. boom head flow rate	75 l/min	
	Max. working pressure	350 bar	
	Distributor for boom movements	SIL2 electro-proportional valve	
	Movements control	1 joystick Danfoss with FNR switch and dead man safety device - Management with CAN bus technology	

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/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

Comfort seat with adjustable 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, 7”
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

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
Automatic parking brake
Mechanical battery cut-off in engine compartment
Electrical system: 24 V – IP67

SERVICE

Warranty: 24 months/2,000 hours