Machine model	Telescopic handler	TH 12.80	
	Maximum lifting capacity	12,100 lb	
	Maximum lifting height	77’ 9”	
	Maximum reach	62' 8"	
Stabilizers	Type	Pivoting	
Engine	Model	**Deutz TCD 3,6 L4 EDG - Stage IIIA**	**Deutz TCD 3,6 L4 Stage V**
	Rated power	100 kW (136 hp) at 2,200 rpm	
	Maximum torque	369 lb/ft at 1,600 rpm	
	Displacement	219.7 in^3	
	Cylinders	4 in line	
	Engine configuration	Turbocharged direct injection diesel	
	Cooling system	Water – intercooler	
Transmission	Type	Hydrostatic	
	Maximum pressure	500 bar	
	Gear box	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	
	Tyres dimensions	445/65 R22.5	
Performance	Max. travel speed	25 mph	
	Gradeability (unladen)	44%	
	Turning radius (end of forks)	19'9''	
Weights	Total unladen*	35,500 lb	
Tank and system capacities	Fuel tank	39.6 U.S. gal	
	AdBlue	2.64 U.S. gal	
	Hydraulic oil tank	24.6 U.S. gal	
	Engine oil tank	2.4 U.S. gal	
	Cooling liquid	5.3 U.S. gal	
Hydraulic circuit for movements	Circuit type	Load sensing	
	Service pump	Variable displacement	
	Max. hydraulic flow rate	27.7 U.S. gpm	
	Max. boom head flow rate	19.8 U.S. gpm	
	Max. operating system pressure	350 bar	
	Controls for boom movements	SIL 2 electro-proportional valve	
	Movements control	1 joystick with integrated manoeuvre enable	
Standard 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

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

SERVICE

Warranty: 24 months/2,000 hours

MAGNI
TELESCOPIC HANDLERS

TH
12.80

CONSTRUCTION

LOGISTICS

MINING &
QUARRYING

EVENTS AND
FILM



TH 12.80



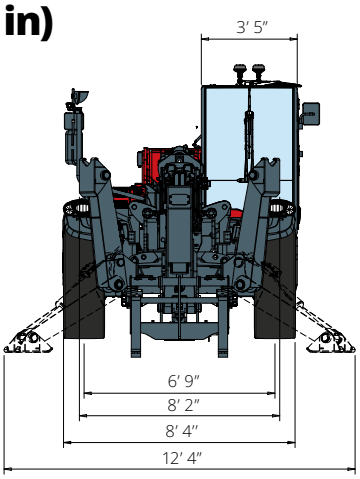
CAB
Best-in-class
safety and visibility

PERFORMANCE
Unrivaled lifting
performance

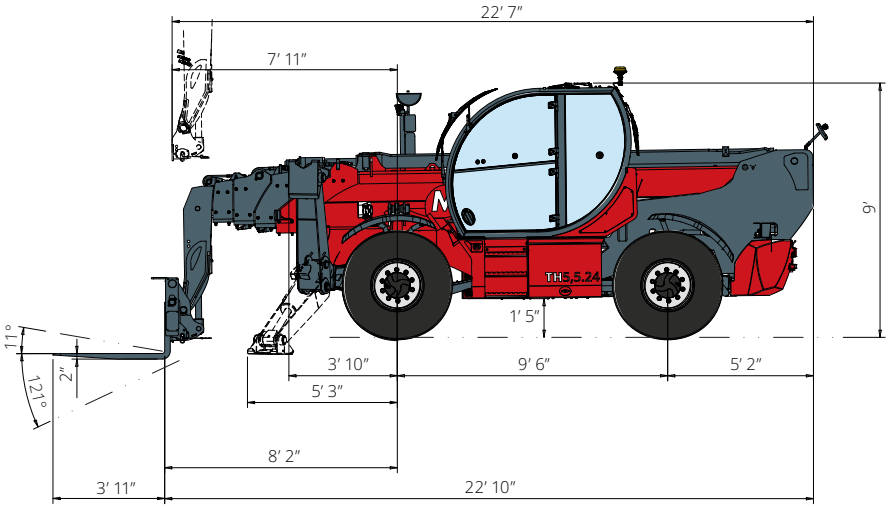
LOAD LIVE DIAGRAM
Two real-time dynamic
load charts

TH 12.80

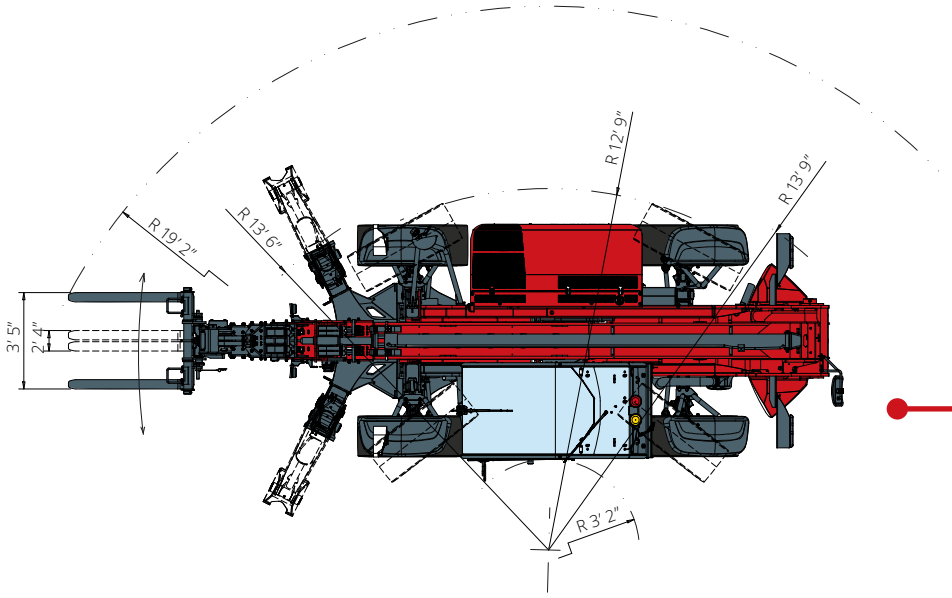
DIMENSIONS (ft and in)



FRONT view



SIDE view

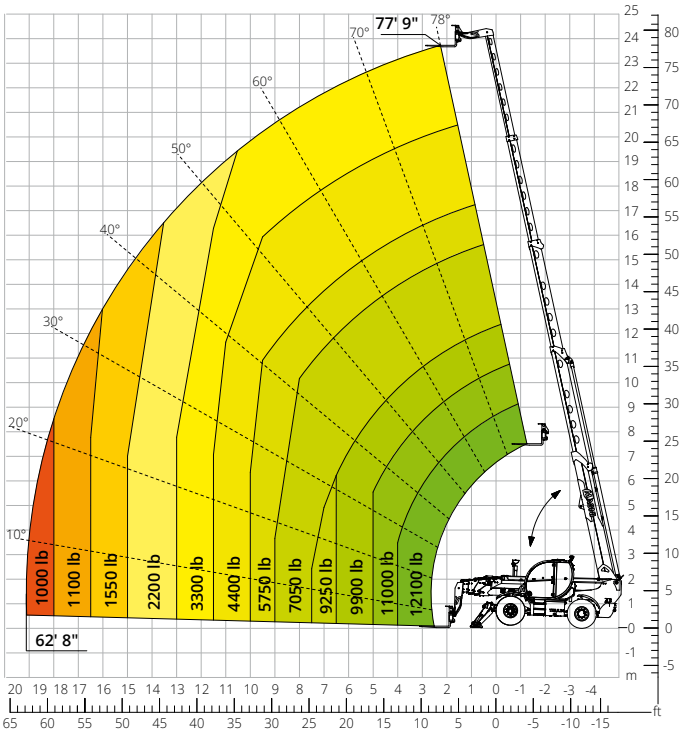


TOP view

Load chart with

FULLY EXTENDED STABILIZERS

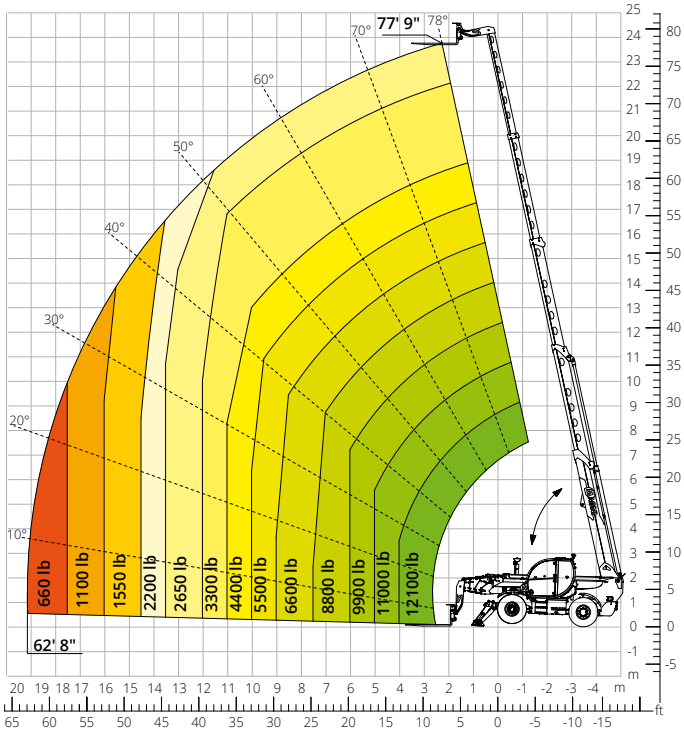
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Load chart with

72x72 OVERSIZED FORK CARRIAGE

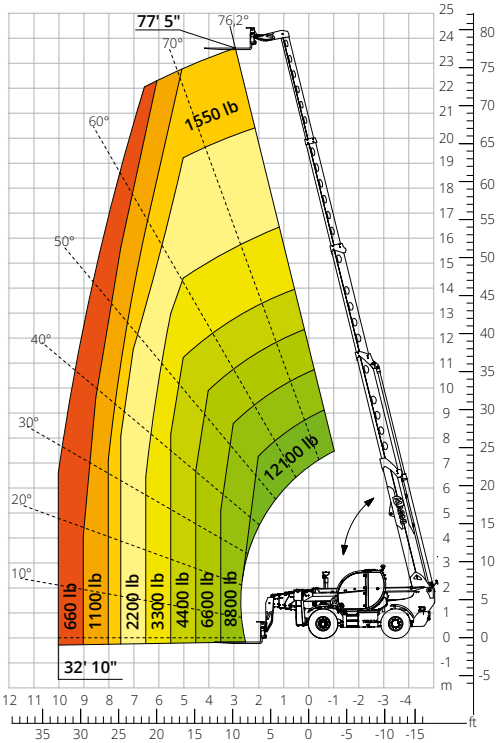
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Load char

72x72 OVERSIZED FORK CARRIAGE ON TIRES

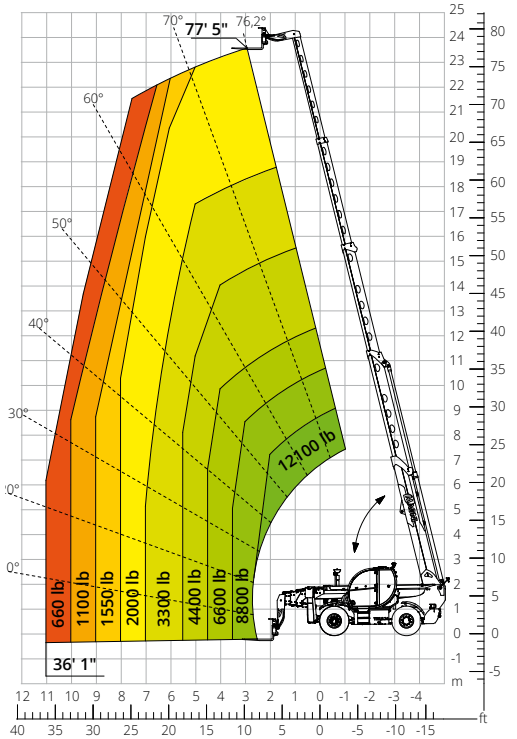
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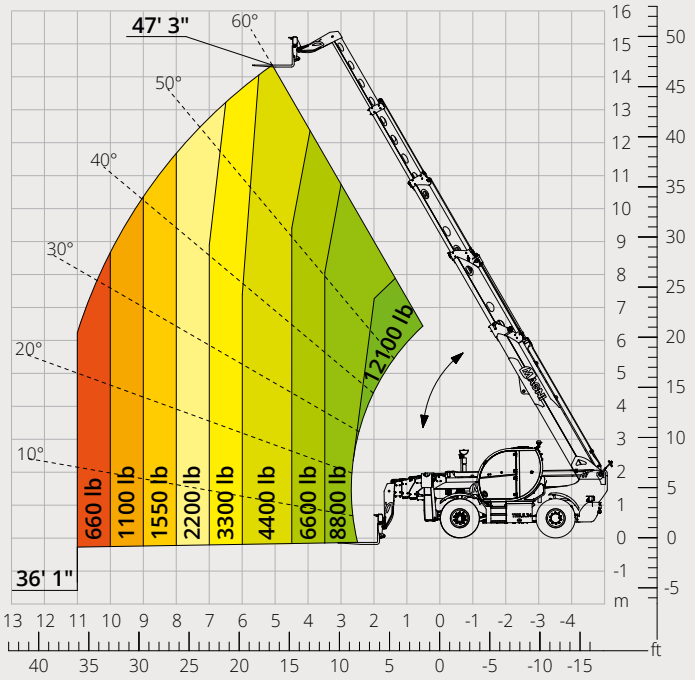
Load chart with

FORKS AND LOCKED AXLE (USA ONLY)

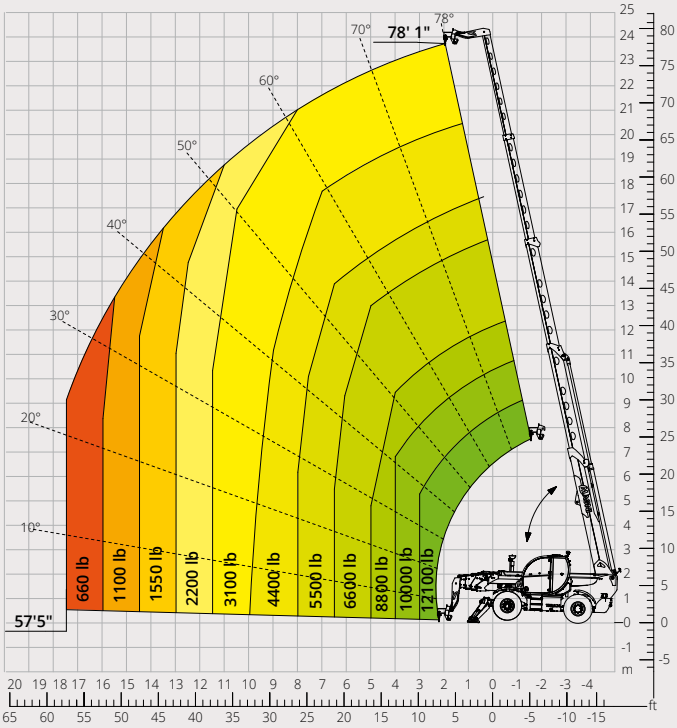
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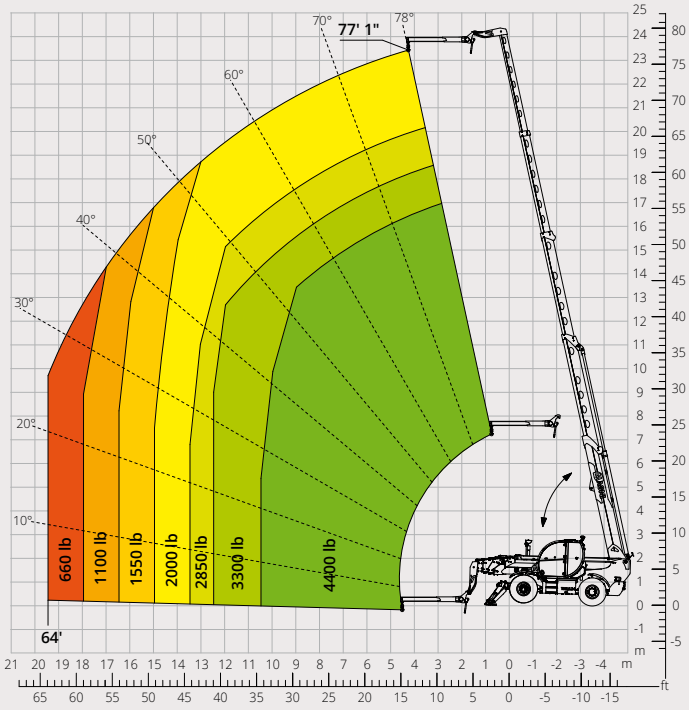
Load chart with
FORKS AND OSCILLATING AXLE
ATT-03-040

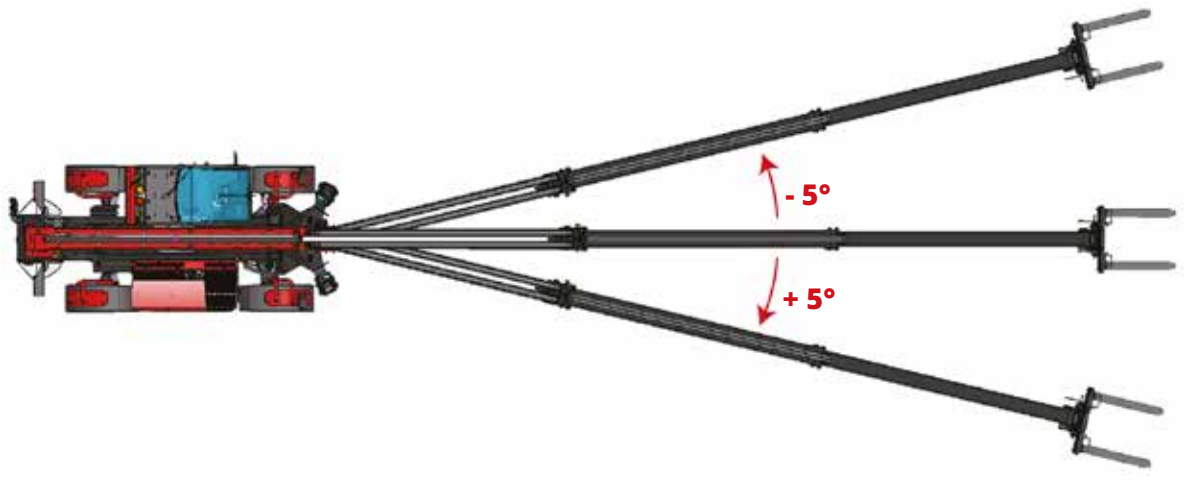


Load chart with
HOOK, 13,200 lb
ATT-05-001



Load chart with
JIB, 4,400 lb
ATT-04-013





LATERAL SHIFTING SYSTEM

This telehandler is equipped with a lateral shifting system that permits to move sideways the rear part of the chassis and, with it, the telescopic boom relative to the longitudinal axis of the machine to correct the load position without the need to move the machine.

This system, in fact, allow a shifting of +/- 5° that corresponds to a shift of +/- 4' 11" with the boom completely extended, independently from which attachment is equipped.

