MAGNI
TELESCOPIC HANDLERS

PRELIMINARY



TH 3.6

CONSTRUCTION

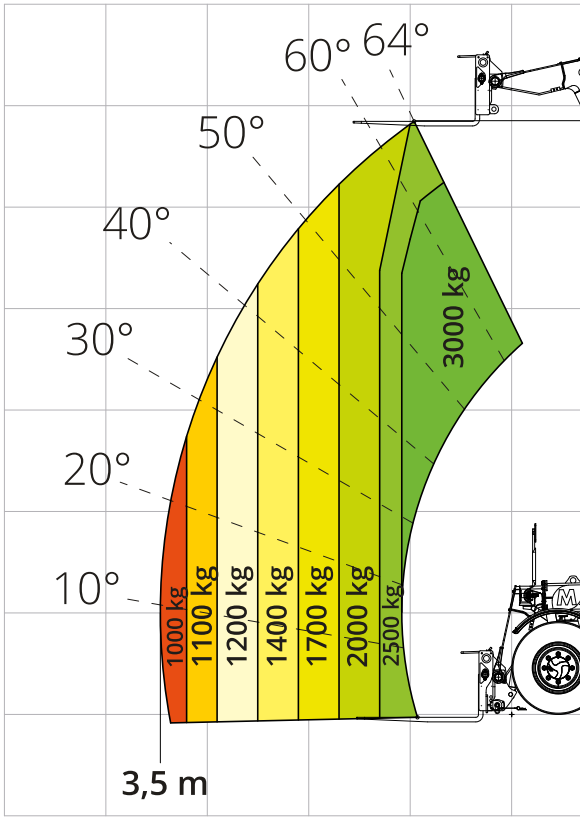
LOGISTICS

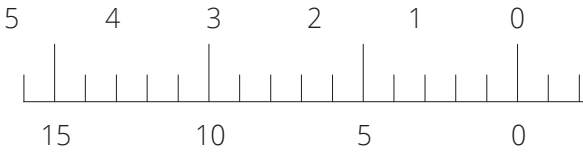
MORE ENERGY, LESS WASTE

*The 351 V battery delivers **power and longevity**, minimising energy losses and keeping the machine running efficiently for longer thanks to a significant reduction in the electrical currents flowing through it. Lighter components, reduced wear and tear, and **maximum reliability**.*

POWER AND SMOOTH MOVEMENTS

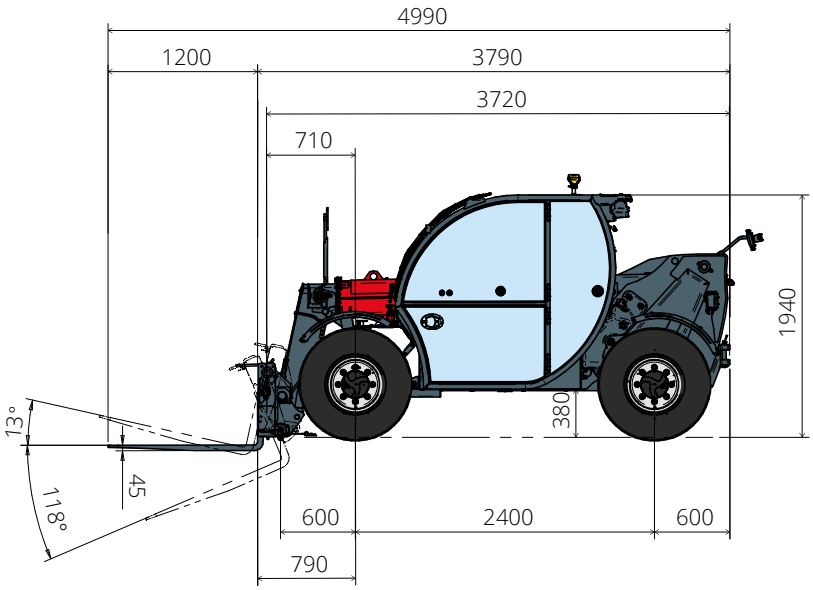
*Hydrostatic transmission with electric motor guarantees **the same power as diesel**: towing up at 41 kN, gradients of 83% and speeds of up to 20 km/h.*
All with zero emissions and always consistent performance.

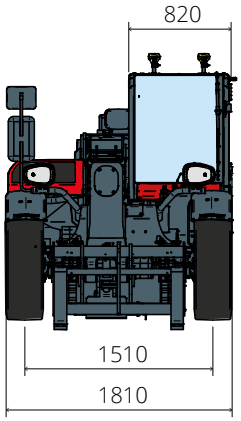


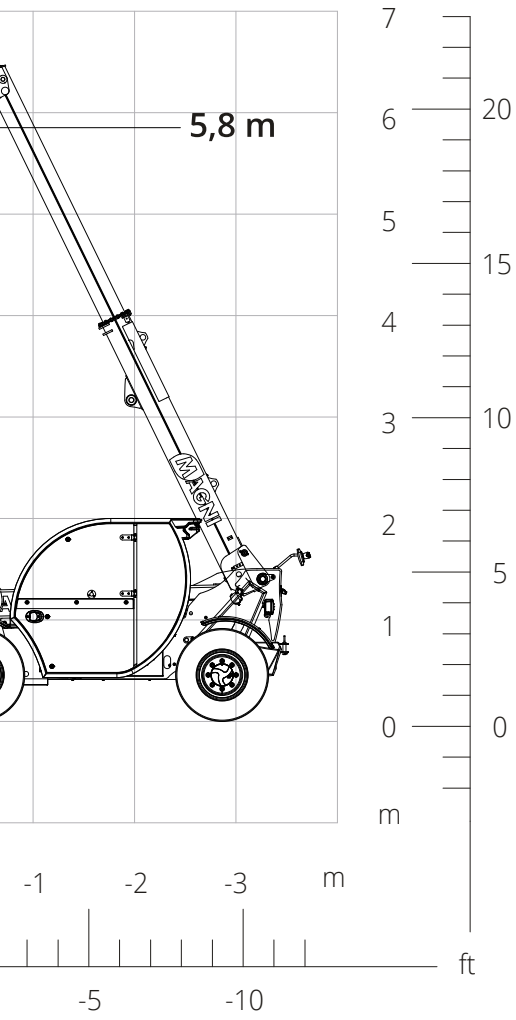


FAST RECHARGE AND CONTINUOS WORKING PERFORMANCE

***A full charge** using the standard 6.6 kW on-board Type 2 charger takes up to 5.5 hours*
*An optional 28 kW ultra-fast CCS charger will also be available, allowing the battery to reach 80% charge in just one hour **to meet every operational need**.*







SMART ENERGY RECOVERY

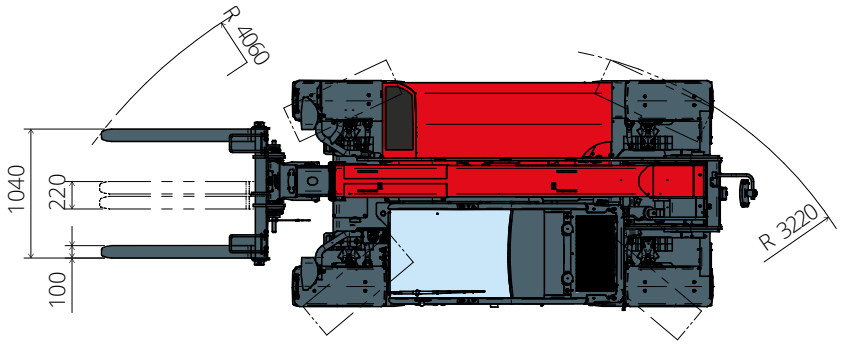
Every time the machine brakes or slows down, the regenerative braking system recovers energy and recharges the battery. In addition, the regenerative hydraulic system harnesses gravity to reduce the energy required to lower the boom. ***Greater range, reduced brake wear, improved efficiency, greater comfort and quieter operation.***

VERSATILITY IN MOTION

Thanks to power supply, the TH 3.6 e can ***work anywhere****: indoor, in cities, and in construction sites with emission or noise limits. Always quiet and comfortable for the operator.*

AN INVESTMENT WHICH IS WORTH IT

Lower running costs *and reduced maintenance requirements compared with the diesel version, together with the potential to benefit from* ***incentives.*** *With electric vehicles, the savings are real and immediate.*



Machine model	Telescopic handler	TH 3.6 e
	Maximum lifting capacity	3,000 kg
	Maximum lifting height	5.80 m
	Maximum reach	3.50 m
Engine	Rated power	54 kW
	Cooling system	Water
Battery and charge	Battery type	Lithium - Ion
	Rated energy	35 kW/h
	Rated voltage	351 V
	Battery capacity	100 Ah
	Battery autonomy	Up to 6 hours
	Charger type/ kW/charge time	Type 2 / 6,6 kW / 5,5 hr (std) CCS (superfast DC) / 28 kW / 1 hr (opt)
Transmission	Type	Hydrostatic
	Maximum pressure	500 bar
	Gear box	Direct drive 2 speed
Axles and brakes	Type	Axles with planetary gearboxes
	Front axle	Steering
	Rear axle	Free oscillation
	No. of driving/steering wheels	4WD - 4WS
	Steering mode	Frontal/Concentric/Crab
	Service brake	Wet multi-disk on front axle
	Parking brake	Hydraulic with negative action on front axle
	Tyres dimensions	12.0/75 R18
Performance	Max. travel speed	20 km/h
	Gradeability (unladen)	83%
	Turning radius (end of forks)	4,060 mm
Weights	Total unladen*	5,000 kg
Tank and system	Hydraulic oil tank	85 l
	Cooling liquid	5 l
Hydraulic circuit for movements	Circuit type	Load sensing
	Service pump	Variable displacement
	Max. hydraulic flow rate	87 l/min
	Max. boom head flow rate	75 l/min
	Max. operating system pressure	255 bar
	Controls for boom movements	Electro-proportional valve
	Movements control	1 joystick with integrated manoeuvre enable
Standard met	2006/42/EC: EU Machinery Directive EN 1459-X: Relating to standards on the safety requirements for variable reach machines EN 280-1: standards relating to mobile elevating work platforms (if available) ROPS/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.*