MAGNI
TELESCOPIC HANDLERS

THA
3.6e

PRELIMINARY

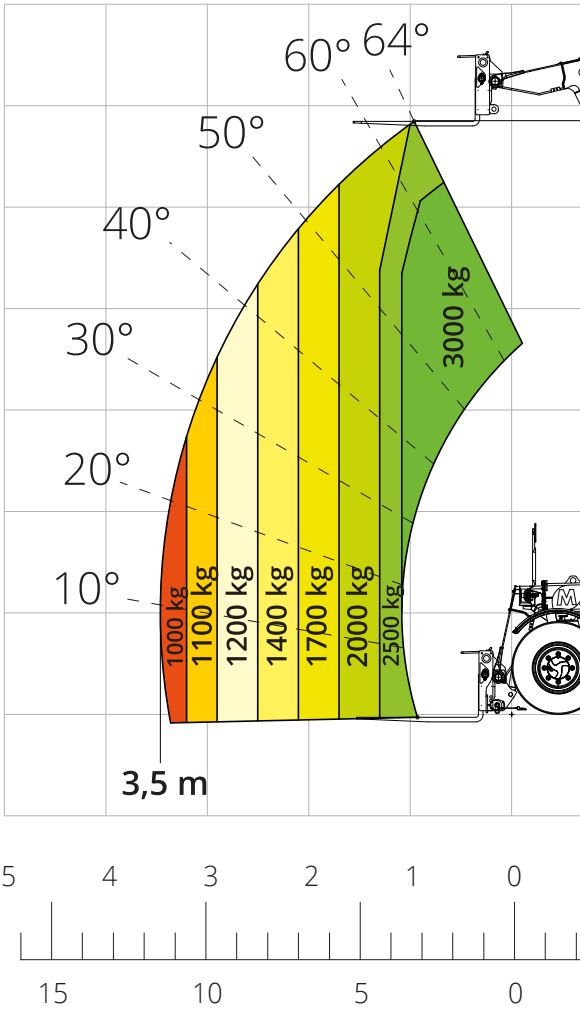


More energy, less waste

*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**.*

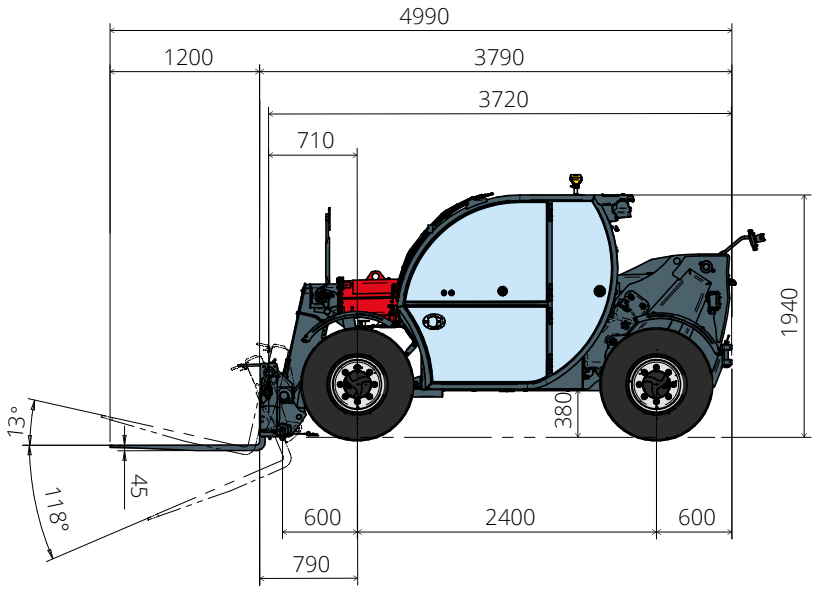
Power and smooth operation

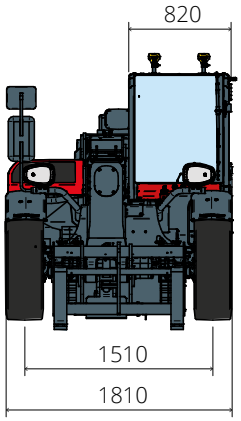
The hydrostatic transmission with an electric motor delivers the ***same power as the diesel version***, *with a towing capacity of up to 41 kN, gradient capability of up to 83% and speeds of up to 20 km/h.*
All this with zero emissions and consistently high performance.

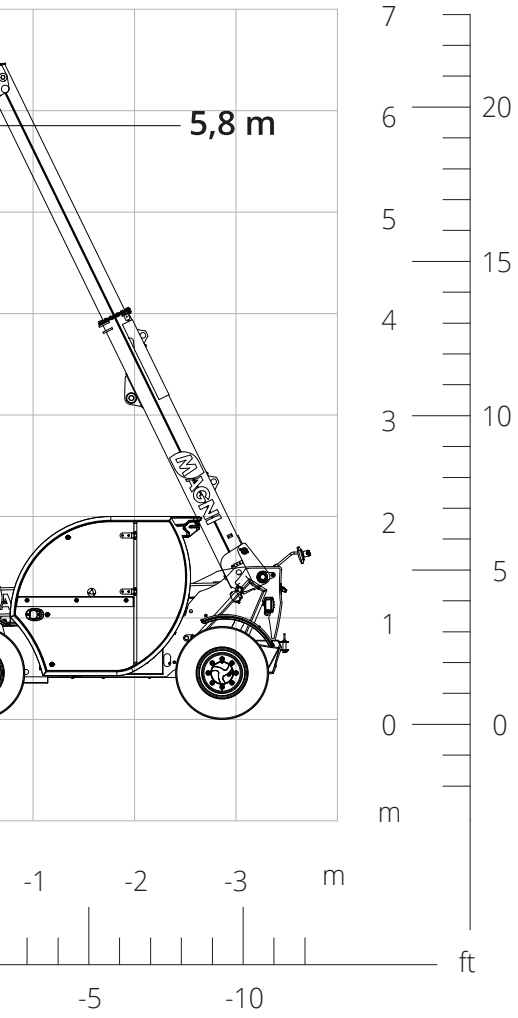


Fast charging, uninterrupted operation

***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

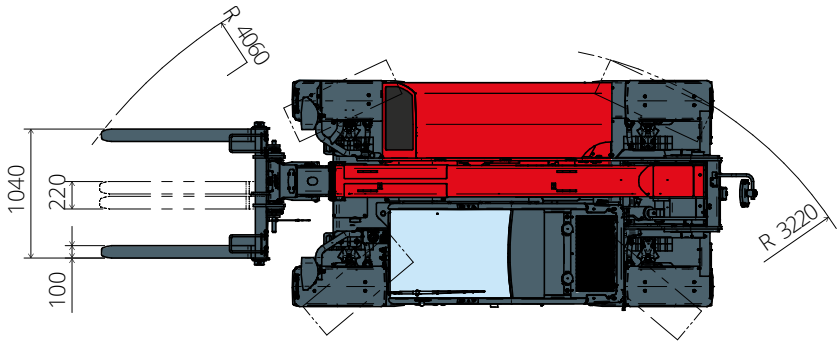
Every time the machine brakes or slows down, the regenerative braking system recovers energy and recharges the battery. In addition, the regenerative hydraulic system harnesses gravity to reduce the energy required to lower the boom. ***Greater range, reduced brake wear, improved efficiency, greater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

Quiet by nature

Zero emissions, low noise levels and reduced vibrations make the THA 3.6e ***ideal for enclosed agricultural environments****, such as barns, poultry farms and greenhouses, where quiet operation and zero emissions make all the difference.*

An investment that pays off

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	THA 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 charging	Battery type	Lithium-ion
	Rated power	35 kW/h
	Rated voltage	351 V
	Capacity	100 Ah
	Autonomy	up to 6 hours
	Charger type / kW / Charging time	Type 2 / 6.6 kW / 5.5 hours (standard) CCS (ultra-fast DC) / 28 kW / 1 hour (optional)
Transmission	Type	Hydrostatic
	Maximum pressure	500 bar
	Gearbox	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 the front axle
	Parking brake	Hydraulic with negative action on front axle
	Tyre sizes	12.0/75 R18
Performances	Max. travel speed	20km/h
	Gradeability (unladen)	83%
	Turning radius (at forks)	4,060 mm
Weights	Total unladen*	5,000 kg
Tank and system capacities	Hydraulic fluid	85 l
	Coolant	5 l
Hydraulic circuit for movements	Circuit Type	Load sensing
	Service pump	Variable displacement
	Max. hydraulic flow rate	87 l/min
	Max. hydraulic flow rate	75 l/min
	Max. operating system pressure	255 bar
	Controls for boom movements	Pressure electro-proportional valve
	Movements control	1 Joystick with integrated manoeuvre authorisation
Standards met	Directive 2006/42/EC: EU Machinery Directive Regulation (EU) No 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: Standards relating to mobile elevating work platforms (where applicable) ROPS/FOPS Level 1: Standards for protective structures	

The information contained in this brochure is for guidance only and is subject to change without notice.
All images are provided solely for illustrative purposes and may not precisely represent the actual product.
**the stated weight refers to the vehicle unladen with standard equipment and may vary depending on the chosen configuration.*