



**MAINI
MATERIALS
MOVEMENT**
Value delivered. Always



ELECTRIC TOW TRUCKS

TTⁱ
S E R I E S

Capacity: 2000/5000kg

- Robust, economical and eco-friendly
- Powerful yet silent
- Compact design
- Easy access to driver's compartment
- Comfortable driving position
- Better visibility and higher efficiency
- Ideal for cargo tugging in various industries and airports

Electric Tow Trucks

TTi SERIES

Maini's elite Tow Truck series comes with an excellent capacity to meet the demand for towing applications in industries. Its small turning radius makes it ideal and safer for operating in narrow aisles. Their drive systems sheer power provides the required quick acceleration and smooth towing capabilities, yet being noiseless.

The 3 Phase AC drive motors with power ranging from 3.5 kW to 5.1 kW come with built in temperature and speed sensors. These motors are controlled by advanced MOSFET based circuitry and are incorporated with 3 Phase vector controlled algorithm.

The special anti-roll back feature makes operating these trucks safer while moving on slopes. Safety features have been further enhanced by the addition of emergency cut off switch & parking brakes.

Engineering Excellence

- Unmatched traction & braking performance
- Unique axle design
- Simple and efficient drive mechanism with helical gear train
- Dual steering wheel mounted on precision sealed ball bearings to minimise floor friction and tyre wear, assuring maximum foot print



TT 20Si / 50Si Stand-on
Capacity: 2000/5000kg

This stand-on tow truck is specifically designed for operating in narrow aisles. Truck's wider steering handle allows the operator to make quick turns & its stand-on option makes it more convenient for the operator to get down & order pick the items briskly. This is an ideal truck for multipoint pick move and transfer operations in production lines.

TT 20i /50i Sit-on
Capacity: 2000/5000kg

This tow truck is designed to meet the requirements of long and sustained duty cycles. Easy access to driver's compartment, comfortable driving position, adjustable seat, lower steering efforts and superior driver visibility all contribute to ensure high levels of driver efficiency. A suspension on front steering wheels is available as an option in the event of towing operation on asphalted roads.



FEATURES



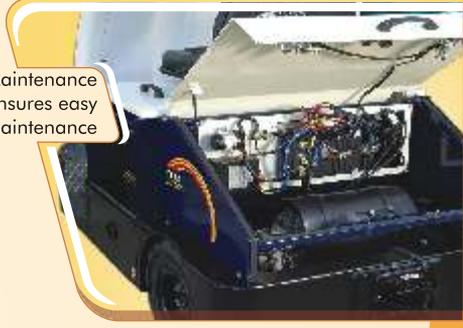
Battery Replacement Flexibility
Built in options of rolling out & lifting by crane are available for quick & effortless battery replacement



Ease of Operation
This ergonomically constructed truck comes with an adjustable seat which in turn enhances visibility and comfort level of the driver resulting in an overall rise in driver's efficiency



Operator Safety & Comfort
The wide handles ensures quick turning. Forward and reverse switch controlled by the thumb and emergency switch that cuts of power supply to the motor are at arms length



Easy Maintenance
Modular design ensures easy access for service and maintenance



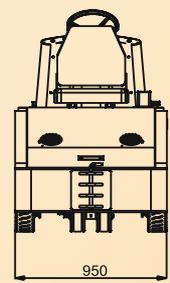
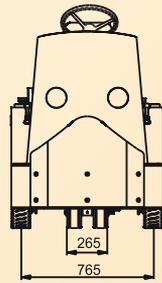
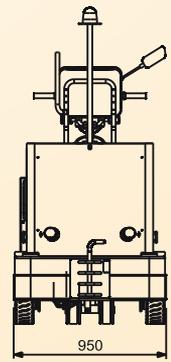
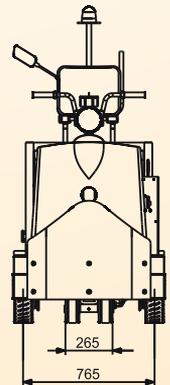
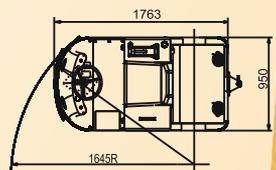
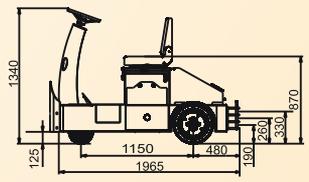
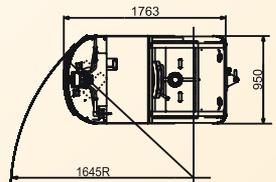
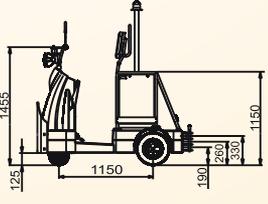
Flexible Tow Coupling
A multistage tow coupling provided at the rear enables trouble free coupling

Options

- Special towing hitch
- Reverse beeper
- Canopy & Wiper
- Rain cover
- Rear view mirror
- Battery discharge indicator with hour meter
- Beacon Light

DIMENSIONAL SPECIFICATIONS

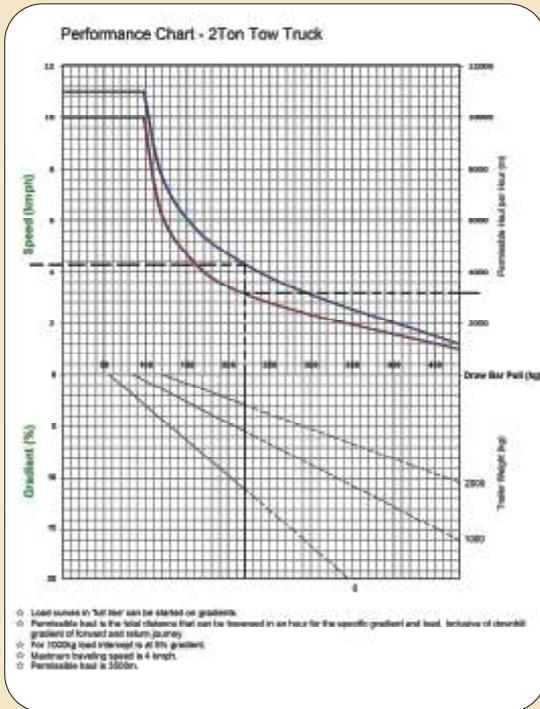
TT 20Si / 50Si



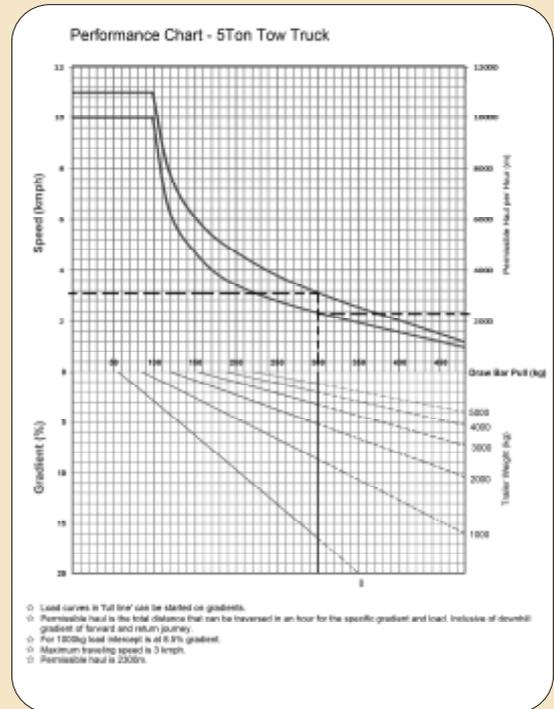
All dimensions in mm. Materials and specifications are subject to change without notice

PERFORMANCE CHARTS

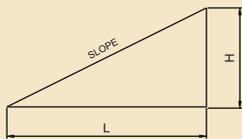
TT 20i / 20 Si



TT 50i / 50 Si



TECHNICAL SPECIFICATIONS



Gradient Calculation:
 $\text{Gradient}(\%) = H/L \times 100$

Model	TT20i/20Si	TT50i/50Si
Capacity (kg)	2000	5000
Drive motor (kW)	3.5	3.5
Max Travel Speeds (km/hr)		
Unladen	11	11
Laden	8	8
Battery capacity (V/Ah)	48/240	48/240
Net Weight (kg)		
Without battery	780/700	790/700
With battery	1203	1213
Max Towbar Pull (kgf)	Refer the Performance Chart	

Wheels			
Drive	2	Solid	410 x 112 mm
Steering	(twin)	Solid Rubber	250 x 100 mm

Capacities and speeds are based on usage on a level surface with rolling resistance 0.03

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