

# FL

## TECHNICAL DATA



Model : FL - 10



### Mini Forklift series :

Mini forklift series specifically designed and constructed to operate in limited spaces while still offering: Ease of Handling, Reliability, Safety and High Productivity.

Thanks to its extremely reduced dimensions, mini forklift is able to operate in limited spaces where a normal forklift truck cannot usually be used. It is extremely easy to manoeuvre and it is suitable for use in any type of environment.

Mini Forklifts consist of three-wheel electric forklift models with capacities ranging from 1000 kgs to 1500 kgs that combine reduced size with forefront technology.

With widths as narrow as 800 mm and lowered height of 70 mm, the mini forklift drive through a standard door opening, manoeuvre elevators, navigate the narrowest aisles and still deliver a heavy payload, Additionally, each truck is equipped with Mosfet type High Frequency Electronic microprocessor, Energy recovery Braking, Separate Excited Motor (SEM), transistor Controllers.

They feature a comfortable driving position where everything is within easy reach. The back and cushion of the wrap-around seat can be adjusted independently and the suspension can be adjusted according to the weight of the operator, offering your operators complete comfort and safety.

### Quick Change mast :

The quick change mast system permits fast release of the mast for simpler, faster maintenance. This feature makes the mini forklift only lift truck in the world with variable wheelbase on which, when the mast is released, the front wheels continue to function on the structure (in the same way as fixed wheelbase lift trucks). The quick change mast system is standard with all types of traction

### Types of mast :

Standard or mono : (Two stage no free lift) For cost effective load handling where headroom does not present a problem.

### Steering wheel adjustment :

Notwithstanding the reduced dimensions of the machine, nothing has been left to chance; everything has been studied according to the most advanced ergonomic criteria to obtain a comfortable, safe driving position. The wide range of seat and steering wheel adjustments guarantee comfort and functionality for the operator.

### Cowling Opening :

On mini forklift trucks, the battery compartment and electronic system are readily accessible. Simply lift the battery compartment cowling, so that everything is clearly visible and within reach.

### Fork Tilting :

All technical solutions on the mini forklift are designed to enhance safety and stability, tilting of the mast modifies the wheel base.

Forward tilting, on approaching the load, shortens the wheel base, reducing the turning radius.

Backward tilting during transport lengthens the wheel base thus increasing traction and stability.

telescopic mast : (Two stage with free lift) For working in applications with height restrictions such as containers and trailers.

### FFTL :

Extremely versatile, Suitable for a wide range of applications.

## Mini Forklift Technical Specifications

PARTICULARS		UNIT	SPECIFICATIONS
Model			FL-10
Capacity		Kg	1000
Type of Control			Rider Seated
Fork Size (L x W)		mm	1150 x 350 to 800Adj
Lowered Height		mm	70
Lift Height	$h_2$	mm	3100
Shut Height	$h_1$	mm	2080
Extended Height	$h_4$	mm	3620
Over all Length	$l_1$	mm	2800
Over All Width	$b_1$	mm	800
Over All Height (Guard)		mm	1900
Turning Radius		mm	1600
Ground Clearance		mm	130
Cap@3100mm Ht.		Kg	750
Mast Tilting (F / B)		mm	2° / 5°
Driving Mode			Rear wheel Drive
Drive Motor	Rating	KW	2
	Voltage		24
Hydraulic Motor	Rating	KW	3
	Voltage		24
Battery	Rating	Ah	252
	Voltage		24
Drive Control			Mosfet
Travelling Speed	Laden	KM/hr	6
	Unladen	KM/hr	7
Gradeability	Laden	%	8 (5 Minuts Rating)
	Unladen	%	10 (5 Minuts Rating)
Brake			
Service Brake			Hydraulic
Parking Brake			Mechanical
Wheels			Solid Rubber Black
Type			Press on Band
Front			Dia 330x 114
Rear			Dia 330x 114
Appx.Wt. of Equipment		Kg	1600

