

Ecovolve eMini Loader



Key advantages

1. Does not damage or cause any unwanted marks on the floor.
2. Only 5% more energy required while making a 90-degree turn.
3. The drive system is controlled with an ECU which allows you to only consume energy on demand.
4. A Hydraulic system is also integrated into the ECU which allows a very fine adjustment and proportionality which only consumes energy on demand.
5. Mechanical self-levelling system which allows for handling unsecured merchandised cargo.
6. With its compact design and weight distribution it allows for a 500kgs lifting capacity. With it's low centre of gravity and its unique pivot points it allows for a 1.9 tipping discharge.
7. With it's suspended ride on platform it allows you to travel comfortably at 8 kilometres an hour.
8. Maximum pushing force is 1200 newton metres of torque.
9. Dimensions - Width 80cm.

Batteries / Charging

10. We are using AGM batteries which are 99% recyclable and can be air freighted and transported without a special permit.
11. On board charger with a 8 hour charge time from 110v - 230v.
12. Battery capacity is 10kwh.

Safety Features

13. The machine will not move unless the operator is standing on the safety platform.
14. The safety platform is designed to give maximum protection and allowing for an escape route for the operator in an emergency.
15. In a situation where an operator must make an unplanned sharp turn the truck will automatically slow down.
16. When the lift arms of the truck are in a raised position the operator can only travel at 50% of the speed automatically.
17. It is also fitted with Sounder buzzers and a flashing beacon light port.

ECOVOLVE



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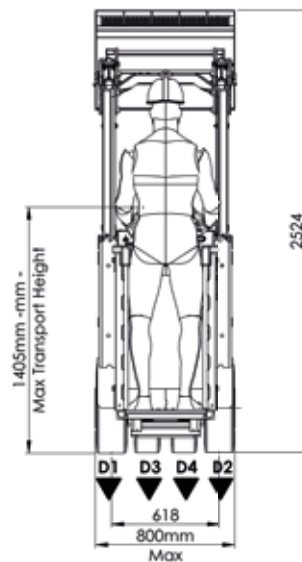
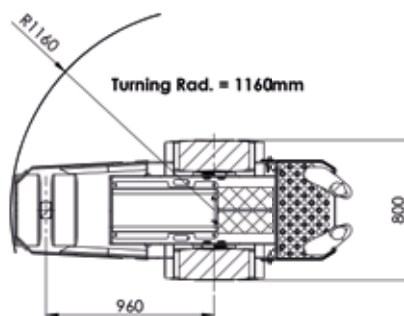
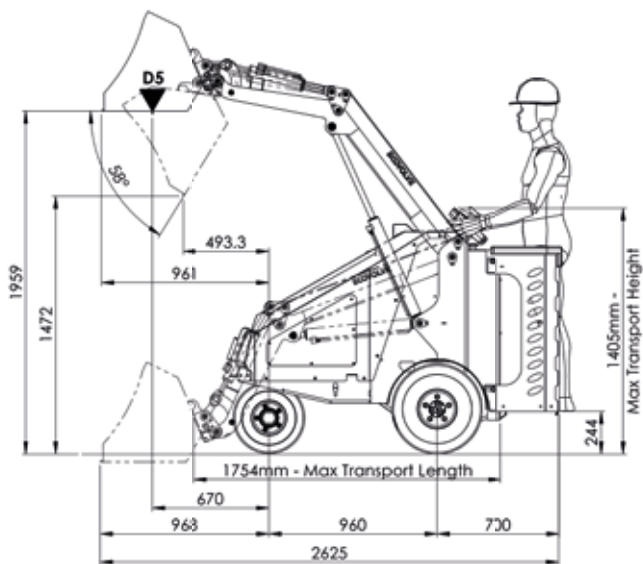
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Technical Information

Capacity	Max safe load (kg)		500	
	Unladen weight (kg)		1000	
Drive	Drive type	2 wheel drive	Steering angle 90° Grade ability 15°	
	Steering	2 wheel steer		
	Speed (km/h)	0-8		
Transmission	Proportional Steering	Drive Electric	Tyres - Front (2 no. Super Elastic) - Rear (2 no. Super Elastic) Brakes: Dynamic regenerative Negative parking brake	
				16 x 6 x 8 21 x 8 x 9
Hydraulic System	Gear pump - Flow rate (ltr/min)		20	
	- Operating pressure (bar)		1.65	
	Pump motor (kw)		4	
	Hydraulic tank capacity (ltr)		20	
Electric System	Voltage (v)	48	Integrated charging - Input (V AC) - Output (V DC) Recharge (hrs)	
	Battery (kwh)	9.6		
				100 - 240
				525 A 8
Drive Motor	Type	Synchronous motor		
	Output (pushing force of 1,200 nm)	6 kw / 8 hp		
	Emission	Zero		
Noise	Driving (dB)		65	
	Buzzer (adjustable) (dB)		60 - 80	