Melex Electrovehicles



Technical Specification sheet

Road Legal Hi-Rise Utility







Sharecall: 086 111 3968

ModelRoad Legal Hi-Rise 2 Seater Utility, (Hybrid)Battery - Li-IonUp to 165AH 7.92kwhBattery - Lead AcidTrojan T125 x 8Hybrid Petrol Motor (optional)207.8cc / 3kwElectric Motor6.3kW 48V AC (01)ControllerCurtis 1232S 400A (01)Battery ChargerUp to 50A On-board HF ChargerPassengers (including driver)2ChassisHot-Dip Galvanized steelBrake4 Wheel Hydraulic Brake, Front Disc- Rear DrumBodyInjection-molded TPO and AluminumTires22x10-10 4PRWheels10x7 AluminumSteering systemRack-and-pinion steeringFront suspensionIndependent Double A-Arms with Coil-over shocksRear suspensionLeaf springs with telescoping hydraulic shocksTare Weight (w. batteries)(kg)585kgs lead acid or 485kgs Li-IonGVM Capacity(kg)840Dimensions2825x1390x1950mmWheel base1800mmGround Clearance (full load)120mm (Diff), 370mm chassisTurning radius4mDistance per charge60 km approx (100km approx Hybrid)Max running speed (full load):40km/hMax climbing capacity (full load):25%Std Axle Ratio12.49, options available		
Battery – Lead Acid Trojan T125 x 8 Hybrid Petrol Motor (optional) 207.8cc / 3kw Electric Motor 6.3kW 48V AC (01) Controller Curtis 1232S 400A (01) Battery Charger Up to 50A On-board HF Charger Passengers (including driver) 2 Chassis Hot-Dip Galvanized steel Brake 4 Wheel Hydraulic Brake, Front Disc- Rear Drum Body Injection-molded TPO and Aluminum Tires 22x10-10 4PR Wheels 10x7 Aluminum Steering system Rack-and-pinion steering Front suspension Independent Double A-Arms with Coil-over shocks Rear suspension Leaf springs with telescoping hydraulic shocks Tare Weight (w. batteries)(kg) 585kgs lead acid or 485kgs Li-lon GVM Capacity(kg) 840 Dimensions 2825x1390x1950mm Wheel base 1800mm Ground Clearance (full load) 120mm (Diff) , 370mm chassis Turning radius 4m Distance per charge 60 km approx (100km approx Hybrid) Max running speed (full load): 40km/h Max climbing capacity (full load): 25%	Model	Road Legal Hi-Rise 2 Seater Utility, (Hybrid)
Hybrid Petrol Motor (optional) Electric Motor Controller Curtis 1232S 400A (01) Battery Charger Passengers (including driver) Chassis Hot-Dip Galvanized steel Brake 4 Wheel Hydraulic Brake, Front Disc- Rear Drum Body Injection-molded TPO and Aluminum Tires 22x10-10 4PR Wheels 10x7 Aluminum Steering system Rack-and-pinion steering Front suspension Independent Double A-Arms with Coil-over shocks Rear suspension Leaf springs with telescoping hydraulic shocks Tare Weight (w. batteries)(kg) S85kgs lead acid or 485kgs Li-lon GVM Capacity(kg) 840 Dimensions 2825x1390x1950mm Wheel base Ground Clearance (full load) 120mm (Diff) , 370mm chassis Turning radius Max running speed (full load): 40km/h Max running speed (full load): 40km/h Max climbing capacity (full load): 25%	Battery – Li-lon	Up to 165AH 7.92kwh
Electric Motor Controller Curtis 1232S 400A (01) Battery Charger Up to 50A On-board HF Charger Passengers (including driver) 2 Chassis Hot-Dip Galvanized steel Brake 4 Wheel Hydraulic Brake, Front Disc- Rear Drum Body Injection-molded TPO and Aluminum Tires 22x10-10 4PR Wheels 10x7 Aluminum Steering system Rack-and-pinion steering Front suspension Independent Double A-Arms with Coil-over shocks Rear suspension Leaf springs with telescoping hydraulic shocks Tare Weight (w. batteries)(kg) 585kgs lead acid or 485kgs Li-lon GVM Capacity(kg) Nheel base 1800mm Ground Clearance (full load) 120mm (Diff) , 370mm chassis Turning radius 4m Distance per charge 60 km approx (100km approx Hybrid) Max running speed (full load): 40km/h Max climbing capacity (full load): 25%	Battery – Lead Acid	Trojan T125 x 8
Controller Curtis 1232S 400A (01) Battery Charger Up to 50A On-board HF Charger Passengers (including driver) 2 Chassis Hot-Dip Galvanized steel Brake 4 Wheel Hydraulic Brake, Front Disc- Rear Drum Body Injection-molded TPO and Aluminum Tires 22x10-10 4PR Wheels 10x7 Aluminum Steering system Rack-and-pinion steering Front suspension Independent Double A-Arms with Coil-over shocks Rear suspension Leaf springs with telescoping hydraulic shocks Tare Weight (w. batteries)(kg) 585kgs lead acid or 485kgs Li-lon GVM Capacity(kg) 840 Dimensions 2825x1390x1950mm Wheel base 1800mm Ground Clearance (full load) 120mm (Diff) , 370mm chassis Turning radius 4m Distance per charge 60 km approx (100km approx Hybrid) Max running speed (full load): 40km/h Max climbing capacity (full load): 25%	Hybrid Petrol Motor (optional)	207.8cc / 3kw
Battery Charger Passengers (including driver) Chassis Hot-Dip Galvanized steel Brake 4 Wheel Hydraulic Brake, Front Disc- Rear Drum Body Injection-molded TPO and Aluminum Tires 22x10-10 4PR Wheels 10x7 Aluminum Steering system Rack-and-pinion steering Front suspension Independent Double A-Arms with Coil-over shocks Rear suspension Leaf springs with telescoping hydraulic shocks Tare Weight (w. batteries)(kg) 585kgs lead acid or 485kgs Li-lon GVM Capacity(kg) 840 Dimensions 2825x1390x1950mm Wheel base 1800mm Ground Clearance (full load) 120mm (Diff), 370mm chassis Turning radius Distance per charge 60 km approx (100km approx Hybrid) Max running speed (full load): 40km/h Max climbing capacity (full load): 25%	Electric Motor	6.3kW 48V AC (01)
Passengers (including driver) Chassis Hot-Dip Galvanized steel Brake 4 Wheel Hydraulic Brake, Front Disc- Rear Drum Body Injection-molded TPO and Aluminum Tires 22x10-10 4PR Wheels 10x7 Aluminum Steering system Rack-and-pinion steering Front suspension Independent Double A-Arms with Coil-over shocks Rear suspension Leaf springs with telescoping hydraulic shocks Tare Weight (w. batteries)(kg) 585kgs lead acid or 485kgs Li-lon GVM Capacity(kg) 840 Dimensions 2825x1390x1950mm Wheel base 1800mm Ground Clearance (full load) 120mm (Diff) , 370mm chassis Turning radius 4m Distance per charge 60 km approx (100km approx Hybrid) Max running speed (full load): Max climbing capacity (full load): 25%	Controller	Curtis 1232S 400A (01)
Chassis Hot-Dip Galvanized steel Brake 4 Wheel Hydraulic Brake, Front Disc- Rear Drum Body Injection-molded TPO and Aluminum Tires 22x10-10 4PR Wheels 10x7 Aluminum Steering system Rack-and-pinion steering Front suspension Independent Double A-Arms with Coil-over shocks Rear suspension Leaf springs with telescoping hydraulic shocks Tare Weight (w. batteries)(kg) 585kgs lead acid or 485kgs Li-Ion GVM Capacity(kg) 840 Dimensions 2825x1390x1950mm Wheel base 1800mm Ground Clearance (full load) 120mm (Diff) , 370mm chassis Turning radius 4m Distance per charge 60 km approx (100km approx Hybrid) Max running speed (full load): 25%	Battery Charger	Up to 50A On-board HF Charger
Brake 4 Wheel Hydraulic Brake, Front Disc- Rear Drum Body Injection-molded TPO and Aluminum Tires 22x10-10 4PR Wheels 10x7 Aluminum Steering system Rack-and-pinion steering Front suspension Independent Double A-Arms with Coil-over shocks Rear suspension Leaf springs with telescoping hydraulic shocks Tare Weight (w. batteries)(kg) 585kgs lead acid or 485kgs Li-lon GVM Capacity(kg) 840 Dimensions 2825x1390x1950mm Wheel base 1800mm Ground Clearance (full load) 120mm (Diff) , 370mm chassis Turning radius 4m Distance per charge 60 km approx (100km approx Hybrid) Max running speed (full load): 40km/h Max climbing capacity (full load): 25%	Passengers (including driver)	2
Body Injection-molded TPO and Aluminum Tires 22x10-10 4PR Wheels 10x7 Aluminum Steering system Rack-and-pinion steering Front suspension Independent Double A-Arms with Coil-over shocks Rear suspension Leaf springs with telescoping hydraulic shocks Tare Weight (w. batteries)(kg) 585kgs lead acid or 485kgs Li-lon GVM Capacity(kg) 840 Dimensions 2825x1390x1950mm Wheel base 1800mm Ground Clearance (full load) 120mm (Diff), 370mm chassis Turning radius 4m Distance per charge 60 km approx (100km approx Hybrid) Max running speed (full load): 40km/h Max climbing capacity (full load): 25%	Chassis	Hot-Dip Galvanized steel
Tires 22x10-10 4PR Wheels 10x7 Aluminum Steering system Rack-and-pinion steering Front suspension Independent Double A-Arms with Coil-over shocks Rear suspension Leaf springs with telescoping hydraulic shocks Tare Weight (w. batteries)(kg) 585kgs lead acid or 485kgs Li-Ion GVM Capacity(kg) 840 Dimensions 2825x1390x1950mm Wheel base 1800mm Ground Clearance (full load) 120mm (Diff), 370mm chassis Turning radius 4m Distance per charge 60 km approx (100km approx Hybrid) Max running speed (full load): 40km/h Max climbing capacity (full load): 25%	Brake	4 Wheel Hydraulic Brake, Front Disc- Rear Drum
Wheels 10x7 Aluminum Steering system Rack-and-pinion steering Front suspension Independent Double A-Arms with Coil-over shocks Rear suspension Leaf springs with telescoping hydraulic shocks Tare Weight (w. batteries)(kg) 585kgs lead acid or 485kgs Li-lon GVM Capacity(kg) 840 Dimensions 2825x1390x1950mm Wheel base 1800mm Ground Clearance (full load) 120mm (Diff), 370mm chassis Turning radius 4m Distance per charge 60 km approx (100km approx Hybrid) Max running speed (full load): 40km/h Max climbing capacity (full load): 25%	Body	Injection-molded TPO and Aluminum
Steering system Rack-and-pinion steering Front suspension Independent Double A-Arms with Coil-over shocks Rear suspension Leaf springs with telescoping hydraulic shocks Tare Weight (w. batteries)(kg) 585kgs lead acid or 485kgs Li-lon GVM Capacity(kg) 840 Dimensions 2825×1390×1950mm Wheel base 1800mm Ground Clearance (full load) 120mm (Diff) , 370mm chassis Turning radius 4m Distance per charge 60 km approx (100km approx Hybrid) Max running speed (full load): 40km/h Max climbing capacity (full load): 25%	Tires	22x10-10 4PR
Front suspension Independent Double A-Arms with Coil-over shocks Rear suspension Leaf springs with telescoping hydraulic shocks Tare Weight (w. batteries)(kg) 585kgs lead acid or 485kgs Li-lon GVM Capacity(kg) 840 Dimensions 2825×1390×1950mm Wheel base 1800mm Ground Clearance (full load) 120mm (Diff), 370mm chassis Turning radius 4m Distance per charge 60 km approx (100km approx Hybrid) Max running speed (full load): 40km/h Max climbing capacity (full load): 25%	Wheels	10x7 Aluminum
Rear suspension Leaf springs with telescoping hydraulic shocks 585kgs lead acid or 485kgs Li-lon 6VM Capacity(kg) 840 Dimensions 2825×1390×1950mm Wheel base 1800mm Ground Clearance (full load) 120mm (Diff), 370mm chassis Turning radius 4m Distance per charge 60 km approx (100km approx Hybrid) Max running speed (full load): 40km/h Max climbing capacity (full load): 25%	Steering system	Rack-and-pinion steering
Tare Weight (w. batteries)(kg) 585kgs lead acid or 485kgs Li-lon 840 Dimensions 2825×1390×1950mm Wheel base 1800mm Ground Clearance (full load) 120mm (Diff) , 370mm chassis Turning radius 4m Distance per charge 60 km approx (100km approx Hybrid) Max running speed (full load): 40km/h Max climbing capacity (full load): 25%	Front suspension	Independent Double A-Arms with Coil-over shocks
GVM Capacity(kg) B40 Dimensions 2825×1390×1950mm Wheel base 1800mm Ground Clearance (full load) 120mm (Diff) , 370mm chassis Turning radius 4m Distance per charge 60 km approx (100km approx Hybrid) Max running speed (full load): 40km/h Max climbing capacity (full load): 25%	Rear suspension	Leaf springs with telescoping hydraulic shocks
Dimensions 2825×1390×1950mm Wheel base 1800mm Ground Clearance (full load) 120mm (Diff) , 370mm chassis Turning radius 4m Distance per charge 60 km approx (100km approx Hybrid) Max running speed (full load): 40km/h Max climbing capacity (full load): 25%	Tare Weight (w. batteries)(kg)	585kgs lead acid or 485kgs Li-lon
Wheel base 1800mm Ground Clearance (full load) 120mm (Diff) , 370mm chassis Turning radius 4m Distance per charge 60 km approx (100km approx Hybrid) Max running speed (full load): 40km/h Max climbing capacity (full load): 25%	GVM Capacity(kg)	840
Ground Clearance (full load) Turning radius Distance per charge 60 km approx (100km approx Hybrid) Max running speed (full load): 40km/h Max climbing capacity (full load): 25%	Dimensions	2825×1390×1950mm
Turning radius 4m Distance per charge 60 km approx (100km approx Hybrid) Max running speed (full load): 40km/h Max climbing capacity (full load): 25%	Wheel base	1800mm
Distance per charge 60 km approx (100km approx Hybrid) Max running speed (full load): 40km/h Max climbing capacity (full load): 25%	Ground Clearance (full load)	120mm (Diff) , 370mm chassis
Max running speed (full load): Max climbing capacity (full load): 25%	Turning radius	4m
Max climbing capacity (full load): 25%	Distance per charge	60 km approx (100km approx Hybrid)
	Max running speed (full load):	40km/h
Std Axle Ratio 12.49, options available	Max climbing capacity (full load):	25%
	Std Axle Ratio	12.49, options available