



DARWIN Automotive

Technical Specification Brochure



Dear Customer,

Many thanks for your interest in our exclusive DARWIN Automotive products.

DARWIN Automotive is a forward approaching start-up that designs, develops and manufactures eBikes which are first of its kind and believe in Affordable Luxury.

Our mission is to 'Be a catalyst for the change to eBikes from petrol bikes. We also focus on form and function which helps us design and build aesthetically pleasing vehicles with class and luxury but keeping the price factor in mind'.

The offer is a noncommittal summary based on the respective recommended retail price of the corresponding model.

Detailed information and applying conditions are available at your DARWIN Centre that will also gladly advise you on any issues concerning financing, insurance and accessories.

Best regards,

Your DARWIN Internet Team



SPECIFICATIONS

Performance

Motor Power (Continuous/Peak)	250W / 350W
Max. Motor Torque	25.8Nm
Top Speed	25 kmph (electronically limited) 45 kmph
Gradeability (10 kmph constant)	13 Degrees
Motor Type	BLDC Motor

Range	295 Wh	388.8 Wh	600 Wh
Throttle Mode	30 KM	40 KM	65 KM
Pedal Assist Mode (3 Levels)	38 KM	45 KM	70 KM

Battery

Usable Capacity	388.8 Wh
Battery Type	Li-ion Battery pack with Intelligent BMS with data logging
Nominal Voltage	29.6 V
Water and Dust Resistance	IP67
Casing	WPC & Acrylic

Charging

0-80% (AC Charging)	2 Hours 30 Minutes
0-100% (AC Charging)	4 Hours
0-100% (Fast DC Charging)	1 Hour 30 Minutes
Charging Rate (Fast DC Charging)	0.5 KM / min



SPECIFICATIONS

Drivetrain

Chain Wheel	40TX170 Black with double guard
BB Set	Friction-free -Cotterless Cartridge type
Freewheel	Single Speed, 16T
Pedals	Anti Skid Alloy With reflector

Frameset

Frame	Alloy (6061) 16" Unisex Frame, City Commuting E-Cycle & comfort Geometry with motor cable & brake cable routing
Colors	Black, white
Front Fork	Steel Rigid aerodynamic blade type

Wheels

Rim	Alloy 26" Double-wall Silver
Tires	26*1.90" Nylon, Black
Tube	26" x 1.90" 45L
Spokes	13 SWG ED Silver

Components

Saddle	PU Black with DARWIN Automotive Brand
Seat Post	Φ27.2*300L with QR ED Black
Handle Bar	Steel 31.8*630 - Black
Stem	Alloy forged Ø31.8 mm with 60 mm Ext. welded to the main tube
Brake set front	Rubber pad V brakes
Brake set Rear	Rubber pad V brakes
Front Hub	QR & fixed disc type
Grip	Rubber 117L, Black



SPECIFICATIONS

Accessories

USB Mobile Charger Port	5V 2A Fast Charger
Keyless eBike start	Theft proof RFID
LCD eBike Computer	Odometer, Speedometer, Location tracking

Warranty

Vehicle Warranty	2 Years / 2000 Km
Battery Warranty	3 Years / Unlimited Km

Pricing	Ex-Showroom	OTR Price
295 Wh / 30 KM Range	₹ 19,800	₹ 20,499
388.5 Wh / 45 KM Range	₹ 22,300	₹ 22,800
600 Wh / 70 KM Range	₹ 29,200	₹ 29,800

Recommended On-The-Road (OTR) retail prices include: delivery charge, additional decals and stickering, Battery half charged, , first registration fee at ₹ 500, customs and excise duty (if any).

Remarks

Figures for eBikes were obtained after the battery had been fully charged. eBike require mains electricity for charging. Zero emissions while riding. Always wear helmet and protective gear while riding.

Written and visual depictions (including photographs) of vehicles, are for illustrative purposes only and should not be relied upon. Some illustrations may not accurately reflect specifications (including paint and trim colours) and may not be available. If in doubt always contact your local DARWIN Automotive Centre.

The indicated figures were obtained after extensive testing in real world conditions. Thus, they reflect the actual performance.

Updated latest on 19 October, 2020

