

THE ROYAL SPECIFICATIONS

FOLDING STEP THROUGH FAT TIRE BIKE

FRAMESET FRAME	Hydroformed 6061 Alloy folding fat 20 frame. Integrated	
FRAIVIE	rear rack, fender mounts, internal cable routing, Electronic Access Port. Removable battery with security lock.	
COLOR	Gloss Jet Black or Kandy Apple Red	
FORK	* **	
DRIVETRAIN		
SHIFTERS	SHIMANO 8-speed trigger shift	
CHAINRINGS	52T	
CHAIN	KMC Z8	
REAR DERAILLEUR	SHIMANO Altus 8-speed	
CASSETTE	SHIMANO 8-speed 11-34T	
COMPONENTS		
HANDLEBAR	Alloy flat bar	
GRIPS	VELO non-slip, shock-absorbing, kraton gel (120mm)	
STEM	iGO adjustable height folding stem	
SEAT POST	PROMAX alloy 27.2mm suspension with quick release (350mm)	
SADDLE	SELLE ROYAL with Royal Gel comfort	
BRAKE LEVERS	E-brake levers	
BRAKE CALIPERS	TEKTRO ARIES mechanical disc	
ROTORS	180mm	
WHEELS		
TIRES	CHAOYANG Big Daddy 20"x4", 5 to 30 psi	
RIMS	Alloy fat 20"	
ACCESSORIES		
INCLUDED	Front & Rear LED Lights (powered by main battery)	
	Front & Rear Fenders Rear Integrated Cargo Rack	
	Kickstand	
	Wellgo Folding Pedals	
	In Frame Cable Routing	
	Tool Kit	
	Battery Charger	
NOTES	00 41 (E1 6 IL)	
BIKE WEIGHT	23.4kg (51.6 lbs)	

ELECTRIC TECHNOLOGY	EL	EC	TRI	С	TE	CHI	VOL	.0G	Υ
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igo connect	Mobile App (Android and iOS) Customizable profile and performance settings with full diagnostic monitoring and alerts - Bluetooth connectivity
DISPLAY UNIT	TFT Color Backlit, Main Power, Vibration Feedback Buttons, Diagnostic, Battery Status, Light Switch, Pedal Assist Level Selector, Walk Assist Control, Speedometer/Max Speed/Avg Speed, Odometer, Trip Timer
MOTOR	BAFANG 500W geared brushless fat tire rear hub motor (750W US)
TORQUE	up to 80Nm
CONTROLLER	48V high power density sine wave, MOSFET based up to 70 Amp, Bluetooth
BATTERY TYPE	2600mAh LG removable lithium battery with security lock
VOLTAGE	48V
BATTERY Ah	13Ah
BATTERY CAPACITY	624Wh
RANGE	60km (37mi) *
POWER ASSIST	9 Levels of power assisted pedaling ***
THROTTLE	Any time on demand thumb throttle
SENSOR	Electronic 32 pulse Cadence Sensor integrated into the bottom bracket
CLASS	Class2 / Class3 capable where permitted max speed 45km/h (28mph) **
BATTERY CHARGER	110/220V Smart charger, LED status, UL, 2A

 $[\]hbox{*Actual range may vary depending on Ah of battery rider weight and other riding conditions}.$

**electric bike class regulation: Class 1 - Pedal assist motor with maximum assisted speed 32km/h (20mph)

Class 2 - Pedal assist motor and throttle with maximum assisted speed 32km/h (20mph) Class 3 - Throttle and/or pedal assist motor with maximum assisted speed 45km/h (28mph) all classes allow a maximum motor power of 750W(US) or 500W(Canada)

This bike is sold factory configured to CLASS 2 specifications. User configurable to CLASS 3 $\,$

3.8kg (8.4 lbs)

114 kg (250 lbs)

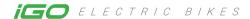
50cm (W) x 90cm (L) x 75cm (H)

BATTERY WEIGHT

WEIGHT CAPACITY

SIZE WHEN FOLDED

^{***}Multiple rider profiles available. Always check the specific state/provincial laws for use of class 3 electric bikes and only engage Off Road Mode where this is permitted.



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GEOMETRY (in mm unless stated	I)
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	FRAME SIZE	43cm (17")
Α	SEAT HEIGHT (MIN/MAX)	81.2cm / 109.2cm (32" / 43")
В	SEAT TUBE LENGTH	420
С	SEAT TUBE ANGLE	75.2°
D	EFFECTIVE TOP TUBE LENGTH	635
Е	REACH	470
F	HEAD TUBE LENGTH	120
G	HEAD TUBE ANGLE	69°
Н	BOTTOM BRACKET HEIGHT	325
I	BOTTOM BRACKET DROP	30.5
J	CHAINSTAY LENGTH	485
K	CRANK LENGTH	170
L	WHEELBASE	1186

