

The Kubota RTV-X-1140e 100% Electric

FVT Electric Drive System Reliability in a Dependable Workhorse

- 2-3 year body & chassis replacement program with accompanying drive system reconditioning
- Mine-proven, high quality, long life drive system
- Affordable initial cost
- Local service & support
 Best overall life cycle cost
- High vehicle availability time

SPECIFICATIONS

Vehicle Capacitie	s 2 PPL	4 PPL
Net vehicle weight		1192 kg (2623 lbs)
Cargo bed load	500 kg	300 kg
	1102 lbs	661 lbs
Total Payload		739kg (1629 lbs)

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Maximum towing capacity 590kg (1298lbs)

Dimensions	
Length	142 in
Width	63.2 in
Height	79.7 in

Travel Speed

25 kph Maximum (mine requested limits can be custom programmed)

Capabilities (mixed grade)

Non-stop drive range (on flat) 90 km* Non-stop drive time 3.5-4.0 hrs*

Standard Features

Full time 4WD - mechanical neutral for towing

Mine lighting (mine specific configurations)

Kubota factory OPS

Steel rim and HDWS tire package

Aluminum rims (no charge option)

Convertible seating from 2 to 4 persons

Mine grade wiring

Fully integrated drivers HMI touchscreen

Electronic throttle pedal

Options

Custom options for Mechanics / Mine Rescue / Special Use Mine specific custom programming - safety / performance **Telematics**

ROPS / FOPS upgrades

Skid plate package

Extended range battery

Enclosed cab w/heat & AC

Specialty rims & tires

Six-person seating

SAHR Brake

Cold weather package

Battery Pack / Battery Management System		
Battery chemistry	NMC	
Capacity	23 kWh	
Useable	18.4 kWh	
Service Life	6-8 years to 80% capacity**	
Cooling	None required	
BMS	Fully integrated	
Sealed Unit	Built to IP66 standard	

On-Board Charger	Time to Full Charge
3Ph 12kW 600V (60A)	2.0 hrs

Traction Drive Motor	
IPM electric motor	45kW - Continuous
Peak efficiency	95%
Maximum torque	140 N·m (103 ft·lb)
Continuous torque	71 N·m (52 ft·lb)
Cooling	Liquid

Safety Features

Emergency Stops (x2)

High voltage Isolation fault detection

High voltage interlocks on all high voltage connectors

Battery contactor status LED's

Electric System fault alarms / displays on HMI

Battery over-current protection limits

Battery over-temperature protection limits

Battery high voltage lockout

Transaxle Type

Mechanical direct drive w/tow mode motor disconnect Forward - Reverse

Brakes

Wet disc service brakes

Suspension

HD Front suspension - Double wishbone (greaseable) HD Rear suspension - Double wishbone (greaseable)

*Results will vary depending on road conditions, speed and grade

