

▶ **ECO-600 Self Propelled Belt Loader**



Mobile Baggage and Cargo Conveyors

Purpose designed self propelled baggage conveyor – ideal for regional and commuter aircraft operations, A320 series aircraft types and BAe 146/RJ operations up to B757.

- 5.5 metre boom efficiently loads and unloads baggage and freight from the smallest commuter up to B757; ideal for BAe 146/RJ operations.
- Extra safety protection from corrosion resistant advanced chassis.
- Environmentally friendly battery power with extended endurance.
- Low maintenance modular battery pack in collision protected locker.
- Solid state controller with forward/reverse, regenerative and electro magnetic brake traction motor.
- Alternative diesel engine power to the latest exhaust emission standards.
- Power steering with automatic dynamic braking provides unique operator control for safe accurate driving and positioning.
- Electro Hydraulic Boom controls allow boom to be accurately positioned with operator selective variable speed conveyor belt.
- Fully instrumented, ergonomically designed, all weather driver's safety cab with excellent all round visibility.
- Designed to perform safely around the clock.
- Easy to maintain with low long term ownership costs.
- Emergency hydraulic hand pump fitted as standard.
- Designed for personnel safety, secure cargo handling and the protection of the aircraft's integrity.
- Complies with the latest Health and Safety Requirements, IATA and CEN Standards.
- AMSS Belt Loaders, the marathon runners on the apron, guaranteeing safe efficient operations with minimum maintenance for many years to come.



Passenger Stairs
Belt Loaders
Cargo & Freight Vehicles
Toilet & Water Trucks
Aircraft Loaders
Fuel Tank Repair Trolleys
Heater Trolley
Air Conditioning Trolley
Maintenance Docks & Stagings
Special Projects

Remember, each piece of equipment is maintained via our through-life support and training services – wherever you are in the world, 365 days of the year.

T +44 (0)1656 743700
E office@amss.co
W www.amss.co

“ Environmentally friendly and highly manoeuvrable – ideal for all types of regional aircraft operations ”

▶ ECO-600 Self Propelled Belt Loader

Electric battery power

- 48 Volt DC Series drive motor with electromagnetic brake
- Latest technology Sevcon solid state vehicle drive controller
- Easily removable and maintained modular battery power pack

Diesel engine power option

- Kubota Z482-E water cooled electric start with super glow system
- Alternative engine options available
- Fully automatic transmission with oil cooler and special torque converter

Boom assembly

- 5.5 metres rigid boom assembly – 680kg capacity with integrated heavy duty galvanised rollers double pitched at impact areas
- Deformable end rubber buffers for soft aircraft interface
- 480mm continuous all weather vulcanised hard wearing grip faced belt with automatic alignment
- Conforms strictly to the latest Health and Safety Requirements with no gaps or finger traps
- Fail-safe elevation system
- Recessed conveyor belt controls
- Worklamps
- Battery isolating switch and jump start/charging connector

Chassis/running gear

- Purpose designed chassis with heavy duty front and rear axles
- Braking – discs front, drums rear
- Fail-safe dynamic braking
- Independent hydraulic power steering
- Vehicle speed – 25mph limited (40kph)
- Turn radius – 4,800mm (16ft)
- Ground clearance – 180mm

Electrical system and controls/battery power

- 48 Volt Heavy duty battery
- Traction motor 9kW 48volt with electro magnetic brake
- Sevcon 650 amp – 48 volt solid state traction controller with neutral braking
- Close coupled belt drive motor/ gearbox 1.5kW – 48 volt
- Electric power steering pump
- Electro hydraulic boom lift
- Vehicle lighting in strict compliance with Motor Vehicle and Use Regulations and IATA Airport Handling Equipment Specifications
- Recessed, protected and guarded driving obligatory lamps and reflectors
- Emergency stops fitted to driver's cab, front and rear of boom
- Clear and logical weatherproof driver/operator controls with appropriate gauges, switches and warning lights
- Dual pressure switch controlled relief solenoid valve

Hydraulic system

- Fully filtered system pressure 85 bar (1,200psi max)
- Stainless steel hydraulic tank with sight gauge and breather cap
- Hydraulic cylinders each fitted with anti-burst and pilot operated check valves
- Emergency hydraulic hand pump

Optional items

- Pendant forward belt control in lieu of fixed station
- Retractable package guide
- Collapsible safety handrailing
- Other handrailing options
- Fully enclosed weatherproof driver's cab with heating

Conveyor belt dimensions

- Length 5500mm
- Width 610mm
- Belt Width 480mm
- Rated capacity 783kg (1,727lb)
Rubber bumpers front and rear

Height range

- Front Max 2489mm (98")
- Front Min 595mm (23 ½")
- Rear Max 1219mm (48")
- Rear Min 480mm (19")

Shipping dimensions

- Length 5,400mm (212 ½")
- Width 1,524mm (60")
- Height 1,372mm (54")
(Handrail folded down)

Shipping weight

- Approx 2,026kg (4,457lb)

