

▶ **ECO-850 Self Propelled Belt Loader**



Belt Loader (NSN–1730–99–893–8876)

Self propelled mobile baggage and cargo conveyor with unprecedented reliability, combining safety of personnel, aircraft integrity, driver comfort and secure handling.

- Will safely interface with all aircraft up to wide-body B747/B777 and A340/A380.
- Available with 7.5, 8.2 or 9 (nominal) metre 1,000kg capacity boom assemblies, fitted with continuous hard wearing grip faced belt and soft boom ends.
- Corrosion resistant chassis on heavy duty axles with energy absorbing tubular collision deflector.
- Conveniently positioned fingertip controls for accurate boom positioning.
- Safety interlocks preventing vehicle movement when conveyor belt is in operation.
- Fully protected driver's safety cab with clear all round visibility.
- Clear and logical weatherproof controls and instrumentation.
- Environmentally friendly diesel engine with electronic automatic transmission incorporating 'on-the-move' reverse gear inhibit.
- Optional automatic vehicle speed reduction with boom raised.
- Effortless, smooth efficient dual circuit braking system and priority power steering blends agility with safety on the apron.
- Careful attention to detail, high quality hydraulic components with rigid corrosion resistant pipework.
- Shot blasted and finish painted to customers individual livery requirements with full wax treatment.
- Complies with Motor Vehicle Construction and Use, Health and Safety, IATA and CEN Standards.
- Automatically engaged creep speed facility for safe aircraft interface.



Passenger Stairs

Belt Loaders

Cargo & Freight Vehicles
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Aircraft Loaders
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Diesel engine/transmission

- Deutz D2011 L04i Diesel air cooled with cold start facility (standard)
- Perkins 404 – 19 Diesel water cooled with cold start facility (optional)
- Fully automatic transmission with oil cooler and special torque converter
- Reverse gear interlock
- Automatically engaged vehicle creep speed facility

Battery power (options)

- 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

Electrical system and controls

- 12 Volt heavy duty alternator and battery
- 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 front and rear of boom
- Clear and logical weatherproof driver/operator controls with appropriate gauges, switches and warning lights

Boom assembly

- 7.5, 8.2 and 9 metre boom options
- 1,000kg capacity with integrated heavy duty galvanised rollers, double pitched at impact areas.
- AMSS proprietary soft boom ends incorporating polypropylene side protection and non-marking deformable rubber buffers for safe aircraft interface
- 600mm wide 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

Hydraulic system

- Fully filtered system pressure 85 bar (1,200psi max)
- Stainless steel hydraulic tank with sight gauge and breather cap
- Robust direct engine driven hydraulic pump

Optional items

- Pendant forward belt control in lieu of fixed station
- Rear high lift boom configuration
- Special long reach booms
- Retractable package guide
- Collapsible safety handrailing
- Other handrailing options
- Fully enclosed weatherproof driver's cab with heating

Shipping weight

- Approx 3,000kg (6,660lb)

Chassis/running gear

- Purpose designed chassis with heavy duty front and rear axles
- Split circuit braking servo assisted – discs front, drums rear.
- Direct action hydraulic power steering with priority system
- Vehicle speed – 25 mph limited (40kph) Turn radius – 6,700mm (22ft)
- Ground clearance – 200mm
- 100 Litre fuel tank

Boom height range

	9.0 mtr boom	9.0 mtr boom high back	8.2 mtr boom	7.5 mtr boom
• Front Max	4,918mm (193")	4,918mm (193")	4,524mm (178")	4,267mm (168")
• Front Min	795mm (31")	508mm (20")	865mm (34")	860mm (34")
• Rear Max	1,678mm (66")	2,159mm (85")	1,675mm (66")	1,650mm (65")
• Rear Min	430mm (17")	1,650mm (65")	457mm (18")	457mm (18")

