

## ➤ MAL – 850 MOBILITY AIDS LOADER



### Self Propelled Mobility Aid Loader

A Self Propelled Mobility Aids Loader specifically designed to address Health and Safety Risks associated with the loading and unloading of EMA equipment.

Designed to totally remove any requirement to carry out manual handling during the transportation, loading and unloading of EMA equipment. Accommodates all the EMA equipment included in the latest BHTA British Health Care Trades Association list for Air Transport requirements. Utilises proven in service AMSS ECO 850 Belt Loader chassis and components to ensure world renowned reliability and quality.

- Safety of personnel, integrity of the aircraft, driver comfort, secure cargo handling.
- Safely interface with all aircraft cargo and aircraft doors from 1100mm up to 3500mm.
- Non-slip load platform and tail lift with integral tie down lashing points.
- Corrosion resistant chassis on heavy duty axles with energy absorbing tubular collision deflector.
- Conveniently positioned fingertip controls for accurate platform positioning.
- Safety interlocks preventing vehicle movement when unless tail lift is stowed.
- Fully protected driver's safety cab with clear all round visibility.
- Clear logical weatherproof controls and instrumentation both cab and chassis mounted.
- Environmentally friendly diesel engine with electronic automatic transmission.
- Creep speed reduction with platform raised for enhanced aircraft safety.
- Efficient dual circuit braking system and power steering blends agility with safety on the apron.
- Careful attention to detail, high quality hydraulic components with rigid corrosion resistant pipe work.
- Shot blasted and finish painted to customer's individual livery requirements with full wax treatment.
- Health and Safety, IATA and CEN Standards compliant.
- Safety interlocks prevent platform movement unless safety gates are closed.



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 ”

# ▶ MAL – 850 MOBILITY AIDS LOADER

## Engine and Transmission

- Deutz D2011 L04i Diesel air cooled with cold start facility.
- Fully automatic transmission with oil cooler.

## Chassis/running gear:

- Purpose designed chassis with heavy duty front and rear axles.
- Split circuit braking – discs front, drums rear.
- Direct action hydraulic power steering with priority system.
- Vehicle speed – 25 mph limited (40kph) Turn radius – 6700mm (22 ft).
- Ground clearance – 150mm.
- 100 Litre fuel tank.

## Platform and Tail Lift Assembly

- 500Kgs SWL capacity (can be made up of various EMA or personnel).
- Deformable rubber buffers for soft aircraft interface.
- 1000mm wide main platform with integral lashing points, hand railing, sliding nose with integral trombone extensions.
- Tail lift dimensions 1170mm width X 1525mm depth with auto erect hand railing and anti roll flip up stops.
- Conforms strictly to the latest Health and Safety requirements with no gaps or finger traps.
- Fail-safe elevation system.
- Platform LED lighting track.
- LED work lamps.

## Electrical system and controls

- 24 Volt heavy duty alternator and battery vehicle lighting in strict compliance with IATA Airport Handling Equipment Specifications.
- Recessed, protected and guarded driving obligatory lamps and reflectors.
- Emergency stops fitted to cab, front and rear platform operating stations.
- Clear and logical weatherproof driver/operator controls with appropriate gauges, switches and warning lights.

## Hydraulic system

- Fully filtered system pressure 85 bar (1200 psi max).
- Stainless steel hydraulic tank with sight gauge and breather cap.
- PTO direct engine driven hydraulic pump.

## Optional items

- Fully enclosed weatherproof driver's cab with heating.
- Covered platform.

## Dimensions

- Length 7,015mm (276")
- Width 2,220mm (87")
- Height 1,100mm–3500mm (43-138")
- Weight 4,222kg uncovered (9,308lb)

