



## Air-Portable K Loader (NSN–2320–99–908–5847)

Our air-portable tactical main deck loader with a battle proven pedigree. Capable of loading all aircraft types up to main deck B747 at any airhead worldwide.

In daily reliable service with: British Royal Air Force, Royal Norwegian Air Force, Belgian Air Force, French Air Force, German Air Force, Korean Air Force, Danish Air Force, Turkish Air Force, Royal Netherlands Air Force, Austrian Air Force, NATO, United Nations Humanitarian Agencies and numerous civilian agencies across the globe.

- Superior Load Capacity – 20,000kg (44,000lb) throughout the operating range.
- Versatile, full four pallet capability, handles all types of pallets, ULDs, air drop platforms, loose cargo, vehicles and ISO containers.
- Dynamic and safe handling with superior traction for precise control on apron and road at speeds of up to 32kph.
- Fully compliant ‘drive on’ air-portable loader in Hercules C130, C141, C5, C17, IL76, AN124, AN225 etc. without special ramps or shoring.
- Operational at any airhead within 15 minutes of aircraft offload.
- Heavy duty load platform with zoned power drives, auto levelling, pitch and roll allowing accurate alignment and soft interface with the aircraft on paved or uneven ground.
- Superb airside manoeuvrability via optional operator selectable multi-mode four wheel and crab steering facilities available on demand with platform raised or lowered.
- Smooth, purpose designed responsive hydrostatic drive with automatic creep and speed limitation guaranteeing safe user friendly aircraft approach.
- Fully enclosed stainless steel ergonomically designed operator cab giving all round visibility with at a glance flat screen information display console and onboard system diagnostics.
- Worldwide operation in environments of -25°C to +50°C (-40°C with optional Extreme Cold Weather Pack).
- Onboard emergency 24 volt emergency hydraulic power system.
- Engine driven tyre inflation compressor.
- Optional pallet dolly interface trailer allowing direct vehicle loading from standard civilian 20 inch pallet dolly trailers.
- Complies with all the latest Health and Safety Requirements, IATA and CEN Standards.
- Optional platform side-shift function.



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.

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“ Affordable, flexible and versatile – the most capable K Loader available in the world ”

### Aircraft capability

- All aircraft cargo doors with sill heights of 990mm to 5,590mm
- Optional pallet dolly interface trailer, height range 480mm to 1,000mm
- Forward drop nose assemblies allowing interface with narrow lower lobe freight doors

### Operational capability

- Load Capacity - 20,000kg
- Maximum Gradient
 

|         |              |
|---------|--------------|
| Unladen | 1 in 4 (25%) |
| Laden   | 1 in 14 (8%) |
- Speed Range: Unladen forward maximum 32kph; Unladen reverse limited to 10kph; Load platform elevated limited to 15kph
- Environmental envelope -25°C to +50°C

### Engine/transmission

- Water cooled turbo charged diesel engine – latest euro emission control standard
- Heavy duty axle torque with pneumatic super single wheels and block pattern FOD resistant tyres
- Engine driven tyre inflation system
- Fuel – Diesel, NATO F-54 and F-34
- Fuel tank capacity 100 litres
- Hydrostatic drive to front axle using closed loop variable delivery swash plate axial pump
- Air blast transmission oil coolers
- Independent hydraulic service pump
- Stainless steel tanks with high quality non corrosive hydraulic components

### Steering/brakes

- Operator selected power steering:- Front, Rear, Four Wheel or Crab
- Split dual circuit service brakes using oil immersed multi plate discs
- Parking Brake – fail-safe spring applied pressure release

### Electrical system

- 24 volt DC negative earth
- 24 volt (2 x 12 volt) air portable gel batteries 800 amperes SAE cold crank rating
- Fully instrumented processor supported driver display and information system with auto check status of key functions
- 24 volt emergency hydraulic power system
- Load platform illumination and steering position flood lamps

### Air-portable configuration

- Length 10,130mm
- Width – Platform 2,870mm  
– Over Tyres 2,580mm
- Height 2,430mm
- Unladen Weight 11,350kg
- Wheel Load (average) 2,750kg

### Operator care

- Stainless steel all weather operator cab
- Electrically heated windscreens
- Logical operator display screen including onboard diagnostic system
- Air conditioning or independently fired cab heater

### Load platform

- Length between stops 9,240mm
- Width between main guides 2,775mm
- Width between “drop in” guides 1,825mm
- 4 Zone Operator selectable longitudinal variable speed powered pallet drives
- 4 off 108 x 88 inch pallet capacity
- Powered variable speed pallet side shift
- Platform pitch  $\pm 5^\circ$
- Platform Roll  $\pm 5^\circ$
- Platform side shift  $\pm 51\text{mm} \pm 0.8^\circ$
- Freight lashings 6 off per side
- Powered pallet stops with secondary manual stops
- Heavy duty rollers and stainless steel ball units for pallets and containerised loads
- Multiple heavy duty impact resistant powered pick up rollers fitted to platform front and rear
- Shock absorbing rubber buffers for soft aircraft interface
- Easily deployable, hinged walkways and safety handrails fitted to both sides of the load platform with adjustable trombone/folding sections to accommodate differing aircraft profiles

### Optional equipment

- Pallet dolly interface trailers
- Extreme cold weather pack
- Front wheel steer only
- Four wheel drive
- Commercial pallet bed width extension
- Air conditioning

