

LAM 14000 DP/MD8

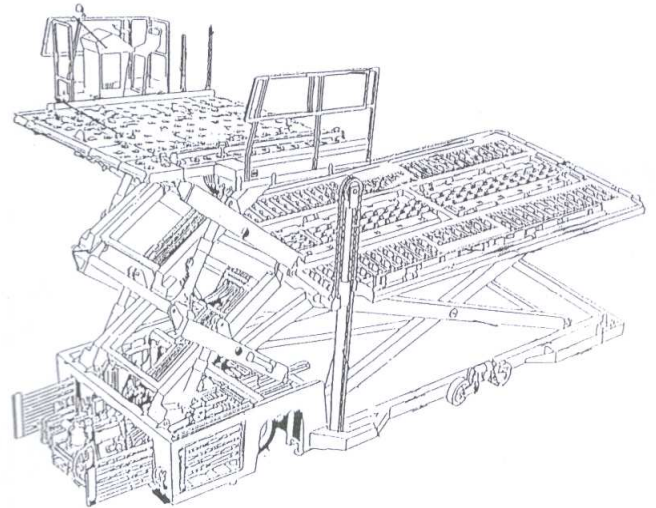


PALLET/CONTAINER LOADER UNIVERSAL LOWER DECK and MAIN DECK LOADER 30 000 Lbs capacity (14 000 kg)

The AIR MARREL **LAM14000DP/MD9 loader** is a development of the well known LAM7000DP/9 series and the robust LAM14000DP/MD8. Designed and manufactured **with CAD-CAM technology**, the new loader brings more features, versatility and ease of use to the operator. Even more, the **reduced operating costs** and aircraft ground time. It is suitable for narrow container doors and wide pallet doors of the B767, it also handles the main deck of wide body aircraft, such as the B747 freighter and combi, DC10 or A300C4; with the capability of **transferring up to 20 foot** containers or pallets to proper main decks.

LOADER CAPABILITIES

- ❑ Baggage container / pallet transfer to the lower deck and main deck compartments of :
A300, A310, A320, A330, A340.
B747, B757, B767, B767ER, B777
DC10, MD11, L1011.
- ❑ Pallet transfer to the main deck of :
B707C, B727C & QC, B737C & QC.
DC8F, DC9F, Bae146 QT & QC
- ❑ Rear platform handling capacity :
4 LD2
2 LD1, 2 LD3, 2LD4, 2 LD5, 2LD8,
1 LD6,
One 20 foot pallet
Standard pallet handling up to TWO 96 in X 125 in
(2.438 X 3.175) lengthwise and width wise.
- ❑ From loading and transfer height to the aircraft from
1890mm to 5850 mm :
- ❑ The new 14000 can receive and discharge loads up to
14 tons from ground vehicles at a height of 508mm,
with a minimum of 500mm and a maximum possible
height (on the rear) 1600mm .



Overall length :	11055 mm
Overall width :	4340 mm
Overall height :	3550 mm
Wheelbase :	4200 mm
Turning radius outside angle :	9400 mm
Lift capacity rear platform	14000Kg
Elevation range Bridge mm :	1890 to 5850
Elevation range platform mm :	500 to 5850
Max. driving speed :	12,5 km/h
Max. admissible slope :	driving , 7,5%
Variable Load transfer speed :	from 18 m/min to 24m/min
Steering angle (front wheel) :	+/- 45°
Stopping distance conform to EC :	Less than 5500mm
Ground Clearance :	166 mm
Electric system :	24 V continued
Batteries :	2 x 12 V – 95 Ah
Fuel tank capacity :	100 l (8 hrs autonomy)



GROUND CLEARANCE

Hydraulically controlled chassis ground clearance ensure maximum driveability over uneven surface

EASY POSITIONING AND AUTOMATIC ADJUSTMENT

Include load centring on the bridge with optional hydraulic adjustment of the rail guides. Bridge tilting capability to adjust the lateral slope (change in aircraft pitch).

MANOEUVRABILITY

Increased stability and manoeuvrability greatly improved for this new version. The LAM14000 reaches through a wide track two wheels front drive and an exceptional turning radius: 9,4 m (31ft)with + :- 45° steering angle.

OPERATOR STATION

Hydraulically mobile operator station for closer access to door control of aircraft.

RELIABILITY

In the new version, even higher reliability is achieved through the replacement of most flexible hydraulic hoses by rigid piping.

EASE OF MAINTENANCE

Routine engine of maintenance can be conducted with the engine in place. The pull out engine cradle allows quick and easy maintenance costs.

ELECTRIC SYSTEM

Electric components are selected and tested for extreme weather condition and maximum humidity.

CHAINLESS DRIVE

A chainless direct drive load transfer system ensures accurate control and reduced maintenance cost.

VERSABILITY

The LAM14000 loader is suitable for both lower lobe and main deck operations on all conventional aircraft and is an excellent choice for working with all type of aircraft, passenger, combi, cargo.

POWER SYSTEM

- Perkins** diesel engine **1104C.44** water-cooled of 64 KW at 2400 rpm

Or with:

- Deutz** diesel engine **BF4M 2012 C** water-cooled of 98 KW/100HP at 2500 rpm

Installed on pull out cradle for easy access and maintenance: Fitted with all engine safety system, oil under pressure and over heating shut down switch, cold starting and demand throttle system.

HYDRAULIC SYSTEM

directly flanged on the turbo engine rear casing :

- **automatic variable displacement piston pump with load sensing pressure compensating 75 cm³/rv SAUER used for driving, platform lifting/lowering and load transfer;**
- **the auxiliary gear pump is used for steering and braking**

EMERGENCY PUMP

Batteries operated:

- To raise and lower the bridge and to lower the rear platform.
- To release the stabilizers and raise the chassis.

ELECTRIC SYSTEM

24 V circuit with two 12 V batteries with 105 Ah. The LAM14000 is fitted with all necessary lights to enable its operations.

