GROUND CLEARANCE
Hydraulically controlled platform **ground clearance** ensures maximum driveability **over rough surfaces.**

EASY POSITIONING AND AUTOMATIC ADJUSTMENT
Our new aircraft door-sill levelling system allows **instant automatic height compensation** whilst maintaining the pitch setting.
Optional features include **hydraulic adjustment of the rail-guides** and **load centering on the bridge.**

MANŒUVRABILITY
Increased stability and manœuvrability : two seemingly incompatible goals which the LAM 7000 reaches through a wide track two-wheel front drive and **an exceptional 7,6 m (25 ft) turning radius with a ± 45° angle.**

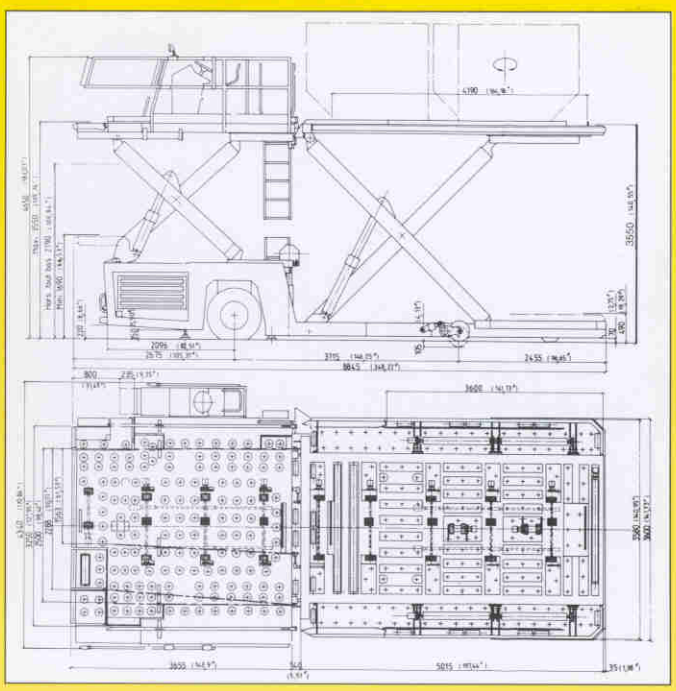
RELIABILITY
In the new series, even higher reliability is achieved through the replacement of most flexible hydraulic hoses by **rigid pipes.**

EASE OF MAINTENANCE
Routine engine maintenance can be conducted with the engine in place. A **pull-out engine CRADLE** allows quick and easy access for engine overhaul of replacement.

ELECTRIC SYSTEM
Electrical components are selected and tested for **extreme weather conditions** and maximum humidity.

CHAINLESS DRIVE
A chainless direct drive load transfer system ensures accurate control and **reduced maintenance costs.**

CLEAR DECK
Oversize loads can be handled with total ease and safety thanks to a clear deck configuration, **with no vertical rams preventing load transfer.**



Shipping
- Length : 8.90 m (350").
- Width : 3.80 m (150").
- Height : 2.32 m (91").
- Volume : 66 m³ (2335 cub/ft).

BASIC DATA AND DIMENSIONS

Total admissible load simultaneously on the bridge and rear platform : 7 tons on each (total 14 tons : 30,800 lbs).

Lift capacity
- Bridge : 7,000 kg (15,500 lbs).
- Rear platform : 7,000 kg (15,500 lbs).

Elevation range
- Bridge : 1690 mm to 3660 mm (66" to 144").
- Rear platform : 490 mm to 3660 mm (19" to 144").

Speeds
- Rear platform : Lifting : 20" - Lowering : 25"
- Load transfer speed : 18.3 m/min (60 ft/m).
- Driving speed : 13,5 Kph (8,3 mph).
- Max. admissible slope : driving 7%
- Turning radius : 8.2 m (27.3 ft) to outside edge.
- Steering angle : +/- 45°.
- Stopping distance at 15 kph : 5 m (16 ft).
- Vehicle weight : 13,400 kg (29,500 lbs).
- Ground clearance : 244 mm (9"6) max at rear.

Fuel tank capacity
92 LITRES (24 US gal) 8 hours autonomy.

Emergency pump (Battery operated)
- To raise and lower bridge and to lower the platform.
- To release the stabilizers, and lower the wheels.

Safety brake
In case of hydraulic failure, the brake pedal activates a mechanical drum shoe brake.

Overall dimensions
- Length: 8.85 m - 348"
- Width: 4.35 m - 171"
- Height: 2.79 m - 110"
- Wheelbase: 3.71 m - 146"
- Weight: 13,000 kg.

POWER SYSTEM

Prime Mover

DEUTZ F 4L 912	**DEUTZ BF4M 1012**	**PERKINS**
Aircooled - 4 cylinders	Watercooled	Watercooled
65 HP at 2500 rpm	88 HP at 2500 rpm	4 cylinders
		65 HP at 2500 rpm

Other engines are available on request.
Fitted with low oil pressure and cylinder head overheating engine shut-down, and cold start and demand throttle systems.

Hydraulic System
1) Main hydraulic pump : vane type 46 cm³/rv. 225 bar.
   Directly driven by the diesel engine through flexible coupling.
2) Auxiliary hydraulic pump (for hydrostatic steering).
   Gear type 10 cm³/rv. 140 bar.

Electric System
24 V DC - Electronic module switch board (single replaceable module). Radio screened alternator. Two 12 V batteries (lead acid type) in series 105 Ah. The LAM 7000 is equipped with all necessary lights to enable its operation on an international airport including one front swivelling working light and directional light indicators.

MAIN SAFETY FEATURE

Flow control valves regulate the rate of lowering of the platform and bridge under all conditions. The **non return piloted valves** prevent any rapid uncontrolled descent.
(In case of rupture of hydraulic lines or engine breakdown the rams remain in position).

The hydraulic translation motor is controlled by a solenoid valve.
The extension of the stabilizers stops loader travel.
All hydraulic circuits are protected by **pressure limitation valves.**
All control valves are **solenoid operated.**
All fuses have been replaced by **circuit breakers.**

air marrel

HEAD OFFICE
Rond-Point Auguste-Col
Tel. 33 - 4 77 36 2
PARIS, BEIJING, BOMBAY, DUBAI, HO-CHI-MIN
SEOUL, SHANG
FICE
EX - FRANCE
l.com
LONDON, WULFARTH, PAPHOS,
LO

NEW ADDRESS
Rond Point Auguste Colonna BP 154
42163 Andrézieux-Bouthéon Cedex(F)
Tél/Ph 33 4 77 36 29 89
Fax 33 4 77 36 28 06