

CHAMP¹⁴⁰



The **CHAMP 140** is the 14 ton Main Deck Loader for today's and future requirements at all airports worldwide.

The **CHAMP 140** combines the advantages of a lower and main deck loader with excellent manoeuvrability. Capable to service narrow body aircraft, but with the benefits of a main deck loader. Both platforms lift to all main decks of narrow and wide body aircraft. Simultaneous handling of two 10 ft. pallets on the main platform is standard.

The **CHAMP 140** is equipped with the TREPEL multi-roller system. This system can be fitted in a 2-axes or 3-axes module. It guarantees a multi-directional transfer of ULDs. Longitudinal, transversal and rotational movements are carried out faster, safer and more accurately. The heavy-duty multi-rollers provide maximum transfer friction under all climatic and handling conditions.

The front platform configuration of the **CHAMP 140** offers maximum comfort and safety for operation personnel, aircraft and equipment.

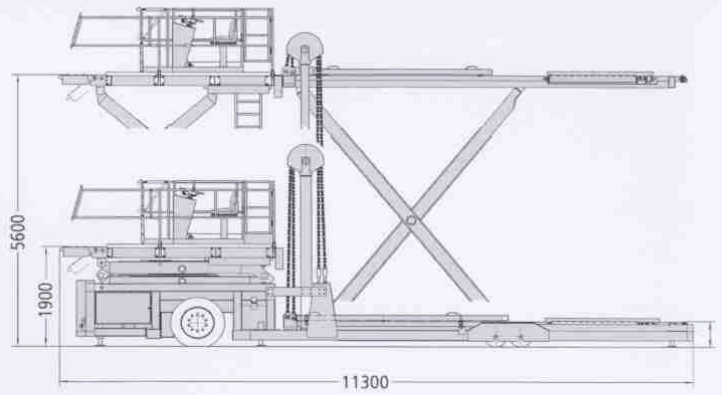
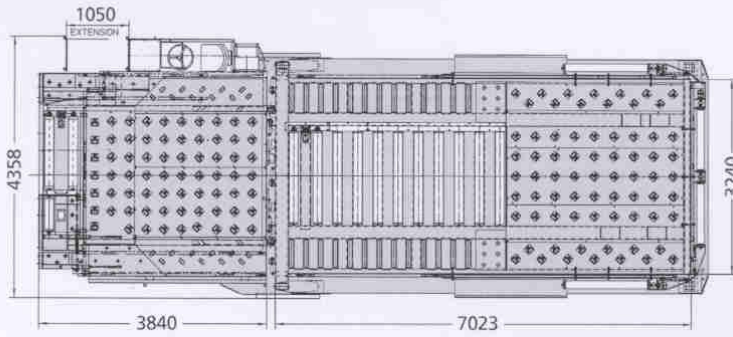
Hydraulically powered foldable adapters adjust the platform to fit the different cargo door sizes. The hydraulically extendable operator's stand allows the driver to handle the loader's and the aircraft's own on-board transfer system simultaneously.

The **CHAMP 140** minimizes operation costs. Assets like outstanding reliability, high availability rate and an environmental-friendly drive concept are all proof of TREPEL's commitment to the industry.



TREPEL Cargo Loader Fleet – freight handling at higher levels

TREPEL
AIRPORT EQUIPMENT GMBH
A member of the PHB Weserhütte AG



CHAMP 140

TECHNICAL DATA

| | | | |
|-------------------------|--|---|---|
| Performance | Loading capacity | main platform | 14.000 kg (30.900 lb) |
| | | front platform | 14.000 kg (30.900 lb) - transfer load on 20' unit |
| | Lifting height | main platform | 490 - 5.600 mm (19" - 220") |
| | | front platform | 1.900 - 5.600 mm (75" - 220") |
| | Conveying speed | 18 m/min (60 ft/min), adjustable | |
| Lifting/lowering time | 25 - 30 sec. | | |
| Driving speed | continuously adjustable to max. 15 km/h, automatic deceleration when front platform lifted | | |
| Design | Chassis | heavy-duty, low profile chassis | |
| | Front axle | drive steering axle | |
| | Rear axle | tandem stub axle | |
| | Tyres front | pneumatic tyres | |
| | Tyres rear | solid tyres | |
| | Lifting system | TREPEL scissor system provides full stability and load capacity | |
| | Stabilizers | six (6) double-acting cylinders | |
| | Engine | 4-cylinder diesel, high efficiency, low fuel consumption, low pollution | |
| | Drive system | hydrostatic drive on front axle | |
| | Brakes | dual circuit hydraulically operated multiple wet disk brake system acting on front wheels additional spring-loaded emergency and parking brake | |
| Fuel tank capacity | sufficient for min. 12 hours operation | | |
| Hydraulic system | Oil tank capacity | sufficient, does not require any hydraulic oil cooling system | |
| | Hydraulic pump | latest design, power regulated axial piston pump | |
| | Solenoid valves | with capsuled solenoids working in oil, indicator lights and manual override | |
| | Systems | drive system, steering and brake systems, lifting/lowering and conveying | |
| Electric system | Alternator | 28 V DC, 35 amps | |
| | Batteries | 2 x 12 V, 88 Ah | |
| | Light system | head and tail lights, indicators, operation and control lamps | |
| Dimensions | Shipping data | l x w x h: 11.40 x 4.40 x 3.20 m | |
| | Weight | approx. 26.600 kg (53.000 lb), depending on execution | |
| Options | Wide range of options are available to meet customer's specific requirements | | |

