



**INSTRUCTION MANUAL  
FOR FURNITURE AND CRATE MOVERS  
MODEL NUMBER: MFM-1300**



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THANK YOU VERY MUCH FOR CHOOSING OUR MANUAL FURNITURE MOVER.FOR YOUR SAFETY AND CORRECT OPERATION, PLEASE CAREFULLY READ THE MANUAL BEFORE USE.

**NOTE:** All of the information report herein is based on date available at the time of printing. The factory reserves the right to modify its own products at any time without notice or incurring in any sanction. Please verify with the factory for possible updates.

### 1. Application

The manual furniture mover has been developed for lifting and shifting wooden furniture. For this reason, its side supports are lined with felt and the platforms with rubber. The securing straps have also edge-protectors, to prevent damage to the furniture.

Since the hydraulic furniture mover consists of two units, it is possible to move pieces of furniture of varying lengths but a rectangular base using the minimum of space. Due to its weight, the anti-slip covering on the platforms and the teeth on the platform tips, the piece of furniture will hold itself in position when the units are standing vertically and lower supports are in contact with its sides.

The securing strap is an additional absolute necessity.

The hand crank is turned clockwise to lift the platforms and in the opposite direction to lower again.

Using an old crate, try a few “dry runs” with the transport units moving furniture with them.

If you operate properly, our hydraulic furniture mover will help you to move switch cabinets, furniture, and etc. quickly and safely.

### 2. Specifications

| Load Capacity     | Lifting Height                           | Lifting Plate Size  | Overall Size (W x D x H)  | Net Weight    |
|-------------------|--|---|---|---------------|
| 1,300 lb (600 kg) | 11 <sup>3</sup> / <sub>4</sub> " (300mm) | 8 <sup>3</sup> / <sub>4</sub> "x4 <sup>3</sup> / <sub>4</sub> " (225x120mm) | 15 <sup>1</sup> / <sub>2</sub> "x22 <sup>1</sup> / <sub>2</sub> "x30 <sup>3</sup> / <sub>4</sub> "<br>(394x571x781mm) | 72 lb (33 kg) |

### 3. Assembly

Every transport unit consists of three separate component groups; the frame, the platform, and the lifting mechanism.

First remove a platform from the box, and place it on the floor. Then insert the spindle mechanism through the upper opening and the slot in the profiled guide rail, until the mechanism's locating projection is

seated the in the top of the guide rail. The upper side support and the crank of the mechanism must face in opposite directions. Do not yet tighten the clamping screw of the guide rail.

Now slide the frame's guide rail over the upper sliding insert of the platform, inserting the spindle though the hole in this until the frame is standing on its wheels on the floor. The gear housing will be pushed out of the guide when the spindle contacts the lower sliding insert of the platform. Turn the crank clockwise to move the threaded spindle down though the lower insert, until the locater of the gear housing is again seated in the guide and the bottom of the housing is resting on the guide. Now, the clamping bolt may be tightened.

The second unit is assembled in the same way.

#### **4. Precautions and preparation**

- 4.1 The floor must be absolutely level, smooth and clean. There must be no inclines or slops to be moved over. Make sure that the floor and the floor covering are to stand up to the loading imposed by the wheel and whether the can take the weight of the furniture being transported.
- 4.2 Check whether the piece of furniture to be transported contains any loose objects. These will have to be removed, or secured against sloping out of position.
- 4.3 Check whether the piece of furniture is strong enough for the two opposite side to take the weight of the piece via the transport units can hold the furniture to be transported without damaging it.
- 4.4 Find the weight of the piece of furniture to be transported. The maximum load of 600 kg/pair =300 kg for each unit must not be exceeded.
- 4.5 Find the center of gravity of the furniture to be transported. Along the furniture base, it is the decisive for the load that a single transport unit can beat, across the base, for the center of the transport unit, and, in connection with the height, for the moment of tilting that occurs when moving the furniture. When in use, the height of the center of gravity must not exceed 0.8m. the distance of the transport units to one another must not be less than 0.5m and not gravity 4.0m (furniture of the securing straps).
- 4.6 Never use this equipment for towing behind a vehicle.

#### **5. operation**

Before use, the transport components should be checked for function,

and for any damage. If there are visible defects, the components should not be used. Damaged parts must be replaced.

Since the manual furniture mover consists of two parts, it is necessary for two persons to operate them.

Before transporting furniture, the platforms should be wound down to the floor until the transport units are standing vertically. If the furniture to be transported has an overhang at the level of the upper support, this supported may be screwed in or out, adjust it until the transport is standing level. If this adjustment option is not sufficient, or, when the platforms are lowered, the transport unit cannot lean against the furniture, these must not be used to transport it.

Push the platforms of the units under the side faces (narrow side) of the piece of furniture until the upper and lower supports are resting against it. The centers of the platforms must be beneath the center of gravity of the furniture.

Place the securing straps in position with the edge protectors at the edges of the furniture. Pull the straps tight. The straps will connect both units and, when used correctly, prevent them from slipping out of position. Wind up the platforms about 1cm, and carefully check how firmly the piece furniture is standing on the platforms. It may be that the transport units will have to be moved to another position.

Both platforms must be raised at the same amount.

For the transport itself, the height off the floor must be a maximum of 2cm only. When moving the furniture, only push the transport units, and choose the way to the furniture's new position so that, if possible, the furniture is only moved lengthwise. When moving furniture sideways, always take the greatest care; there is a great risk of the furniture tilting over. Avoid any jerky pushing movements.

The article being transported must not be left unattended standing on the equipment; it must always be lowered onto the floor.

## **6. Care and Maintenance**

This Manual Furniture Mover only requires little care and maintenance, but this must be carried out regularly. Depending on its use, the spindles and gear wheels must be re-greased weekly or monthly, using standard multi-purpose grease. For this, the spindle may be reached using a brush through the slot in the guide rail. The gear wheels are also greased using brush, by first levering off the gear-housing lid with a screwdriver. The lid should be pressed down firmly to close it again. The units' function should be tested.

## 7. Parts List & Exploded Figure

| Item No | Description     | Quantity |
|---------|-----------------|----------|
| 01      | Pin             | 1        |
| 02      | Hand grip       | 1        |
| 03      | Crank           | 1        |
| 04      | Washer          | 1        |
| 05      | Drive           | 1        |
| 06      | Pin             | 1        |
| 07      | Cover           | 1        |
| 08      | Seating         | 1        |
| 09      | Ring            | 1        |
| 10      | Driven gear     | 1        |
| 11      | Pin             | 1        |
| 12      | Plane bearing   | 1        |
| 13      | Screw rod       | 1        |
| 14      | Nut             | 1        |
| 15      | Supporting base | 1        |
| 16      | Screw           | 1        |
| 17      | Nut             | 1        |
| 18      | Supporting pin  | 1        |
| 19      | Spacer          | 2        |
| 20      | Spacer          | 2        |
| 21      | Retain ring     | 2        |
| 22      | Upper plate     | 2        |
| 23      | Ball            | 50       |
| 24      | Wheel seat      | 2        |
| 25      | Ball            | 54       |
| 26      | Lower plate     | 2        |
| 27      | Washer          | 2        |
| 28      | Nut             | 2        |
| 29      | Nut             | 2        |
| 30      | Lock washer     | 2        |
| 31      | Spacer          | 4        |
| 32      | Bearing         | 4        |
| 33      | Wheel           | 2        |
| 34      | Spacer          | 2        |
| 35      | Screw           | 2        |
| 36      | Screw           | 1        |
| 37      | Nut             | 1        |

|    |                  |   |
|----|------------------|---|
| 38 | Woven belt       | 1 |
| 39 | Lifting platform | 1 |
| 40 | Cargo lashings   | 1 |
| 41 | Nut              | 1 |
| 42 | Screw            | 1 |

