

MODEL DHE-HD80A

DRUM CARRIER

Instruction Manual





DHE Materials Handling Equipment

Drum Carrier

Instruction Manual

DHE Materials Handling Equipment
28 Aster Avenue
Carrum Downs VIC 3810
Phone: 1300 067 281
Fax: (03) 9775 1662
Website: www.dhemhe.com.au

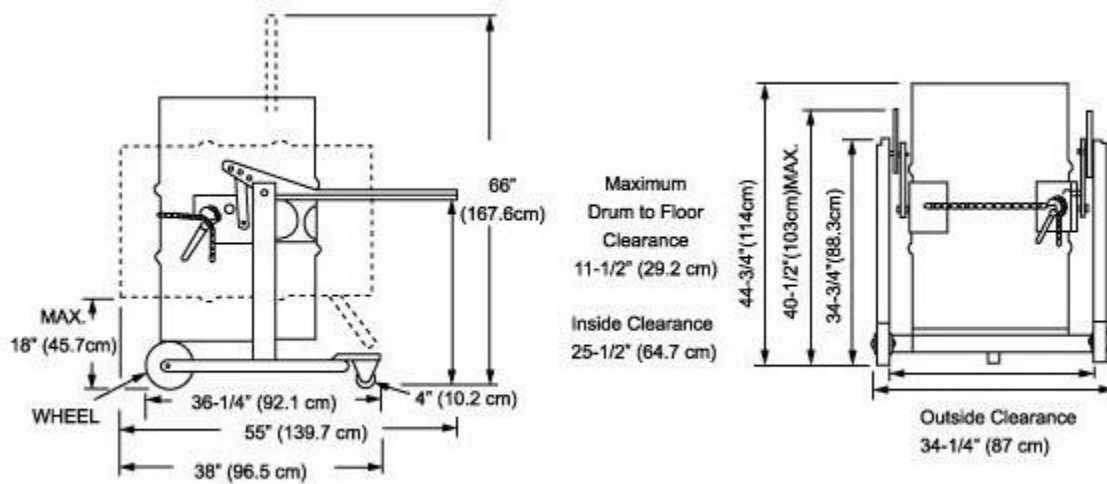
Table of Contents

1.0: FIGURE AND DIMENSION	3
1.1 : FIGURE.....	3
1.2 : TECHNICAL SPECIFICATION	3
2.0: OPERATING PROCEDURE	4
2.1 : CLAMPING DRUM	4
2.2 : LIFTING DRUM.....	4
2.3 : TRANSPORTATION	4
2.4 : LOWER & RELEASE THE DRUM	4
2.5 : ROTATE THE DRUM	4
2.6 : ADJUSTMENT	5
3.0: WARNING	6
4.0: MAINTENANCE	7
5.0: ASSEMBLY	7

The DHE-HD80A Drum Carrier transports, tilts, rotate and drains fully loaded steel drums. It can lock a drum in the vertical position to avoid spills or in the horizontal position for draining. When the drum is unlocked from the Drum Carrier, the drum may be turned end-over-end to agitate contents, or tipped and held manually at any angle.

1.0 : Figure and Dimensions

1.1: Figure



1.2: Technical Specification

Model	DHE-HD80A
Lifting Capacity	364kgs
Drum Size	210 Litres
Net Weight	50kgs

2.0 : Operating Procedure

2.1 : Clamping The Drum

The mobile hoop (Part No. 15) is usually open due to being supported by a spring. This helps to clamp the drum. Push the Drum Carrier so it's close to the drum that will be lifted. While pulling the location levers (Part No. 10), turn the handle (Part No. 4) to locate supporting hoop (Part No. 3) in the middle of the drum. Release the location levers (Part No. 10) to lock the handle at this appropriate position. Turn the fastening lever (Part No. 6) counter-clockwise to make its teeth upward. Fasten the chain (Part No. 7) and insert the chain into the groove on the fastening lever (Part No. 6). Then turn the lever (Part No. 6) clockwise quickly to make chain (Part No. 7) embay the drum. Please make sure that the fastening lever (Part No. 6) is firmly locked by the pawl (Part No. 14).

2.2 : Lifting Drum

Press the handle (Part No. 4) and the drum will be lifted. When the drum is lifted to the required position, release the handle (Part No. 4) and the drum will be locked.

2.3 : Transportation

Push/Haul the handle (Part No. 4) to move the Drum Carrier to the destination. If necessary, the operator can turn the handle to change the Drum Carrier's moving direction.

2.4 : Lower & Release The Drum

Press the handle (Part No. 4) slightly, and pull the location levers (Part No. 10) at the same time. Then slowly lift the handle (Part No. 4) so as to lower the drum. When the drum reaches a firm surface release the location levers (Part No. 10).

Turn the fastening lever (Part No. 6) clockwise slightly so that the pawl (Part No. 14) disengages. Release the fastening lever (Part No. 6). Take the chain (Part No. 7) out the groove on the fastening lever and hang it on the hook (Part No. 17).

Move away the Drum Carrier.

2.5 : Rotate The Drum

The Drum Carrier can rotate the drum from vertical to horizontal position according to actual demand.

Disengage the location pins (Part No. 5) and in the meantime turn the drum 90° by hand.

Turn the location pins so as to insert them into the corresponding holes to lock the drum in the horizontal position. Before rotating the drum, pre/lift the handle (Part No. 4) to an appropriate height in case the drum bumps the ground.

2.6 : Adjustment

If the supporting hoop is too high to hold the middle of the drum while the handle (Part No. 4) is lifted to its maximum height, it is necessary to choose another appropriate hole on the handle.

If the drum cannot be lifted to required height while the handle (Part No. 4) is pressed to reach its minimum height, it is necessary to choose another appropriate hole on the lifting arm (Part No. 12).

Pull the location levers (Part No. 10) and slowly lift the handle (Part No. 4) so as to lower the drum. When the drum reaches a firm surface release the small levers (Part No. 10).

Remove the chain and move the Drum Carrier away from the drum.

3.0 : Warning

- Make sure the drum carrier works on a firm and flat floor.
- Never overload the drum carrier beyond its rated capacity.
- Only after the chain firmly holds the drum and location pin is correctly positioned can the Drum Carrier be moved.
- Do not pull location lever (Part No. 10) while moving the Drum Carrier.

4.0 : Maintenance

- Conduct a routine check of the wearing condition of location pins (Part No. 5) and replace the worn pins in time.
- Conduct a routine check of chassis, front wheel and rear castor.
- Conduct a routine check of clamping reliability of chain.
- Conduct a routine check of all the connecting parts such as pins and fasteners.

5.0 : Assembly

Please Note: Some necessary tools must be prepared before assembly.

1. Take out all the subassemblies in following turns from carton:

A	Chassis
B	Mast
C	Supporting Hoop
D	Handle
E	Steel Harness, Washers, Nuts and Clamp Collars

2. Assemble Mast (B) on Chassis (A) with screws, washers and nuts.
3. Put Steel Harness (E) through the holes on the outsides of the Lifting Arms (Part No. 11) and then fix it with fasteners (E).
4. Put Steel Harness (E) through the holes on the Hangar Plates (Part No. 12) and then fix it with fasteners (E).