



# Vestil Manufacturing Corp.

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## model PMC-VHPS-2000-AA

### Hand and Foot Pump Operated Lift Truck

#### CAPACITY

2200 lbs. @ 24" Load Center

#### CHASSIS WEIGHT

650 lbs.

#### FORKS

42" Long x 4" Wide x 1.2" Thick

#### WHEELS

Swivel Caster

(2) 6" x 2" phenolic

Load Wheel

(2) 3.15" x 2.2" phenolic

#### FOOT AND HAND PUMP LIFTING

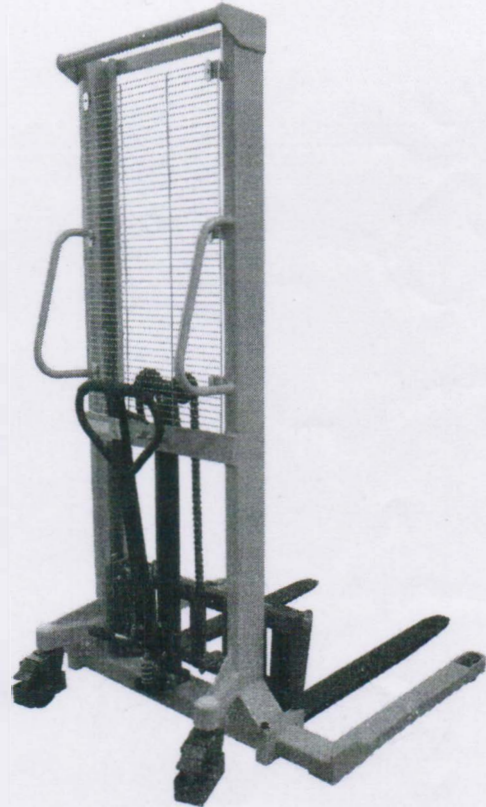
Hydraulic lifting by foot lever or hand pump. Three position handle controls lowering, neutral, and lifting (pump). Allows safe and controlled load placement. The handle mounted return spring secures pump handle in vertical position. Includes a foot actuated floor lock on rear swivel casters.

#### HYDRAULICS

Sturdy construction with galvanized housing. Precision welded pump assembly is fully sealed and features a hardened chrome lift cylinder.

#### FRAME AND MAST

Features a rigid, welded steel construction for distortion prevention. Includes adjustable forks on a pin style fork carriage. High visibility mast with single lifting chain, heavy duty mast rollers, and wire mesh safety guard.



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#### 1. INTRODUCTION

Become familiar with the location and function of all controls prior to operating truck. Do not operate unit unless trained and authorized to do so. All information, specifications, and illustrations in this manual are based on the latest data available at the time of publication. Our company reserves the right to make changes or improvements at any time without notice. With proper operation and scheduled maintenance, this truck should provide years of productive service.

##### 1.1 Modifications and Additions

Any changes, additions, or modifications will void warranty. Do not cover or remove safety decals.

#### 2. ⚠ SAFETY WARNINGS

Safe truck operation depends upon the following:

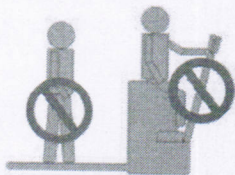
- Operator's knowledge, skill, and training
- Equipment maintenance
- Operator's regard for personal safety and the safety of others
- A safe and suitable working environment



## 2.1 Safety Guidelines

Read and understand the following guidelines for operation safety.

- Read and obey all warnings and instructions in this manual
- Operate this truck from the designated operating position only
- Never carry passengers
- Do not permit standing on or under forks at any time
- Maintain safe operation control of the vehicle at all times
- If operation control is lost, release the control handle and quickly move away from the truck
- Raise the lifting mechanism to lift loads only. Reckless driving is dangerous to both personnel and equipment, and is not permitted.
- Do not overload the vehicle. Verify the capacity plate for load weight information
- Operate on a smooth, even surface
- Be sure to start, stop, change direction, travel, and brake evenly. Slow down for turns and uneven or slippery surfaces that may cause accidents. In any environment, always approach and leave areas slowly.
- Be aware of objects protruding from racks, shelves, and walls that may cause injury or vehicle damage
- Operate the truck slowly and in an open area until becoming thoroughly familiar with vehicle
- Use extreme care when traveling without a load. Excessive speed, abrupt turns, or uneven surfaces may cause tipping and possible damage
- Examine load prior to moving ensuring that it is securely and safely loaded
- Maintain a clear view of travel direction
- If the load interferes with visibility, face the direction of travel with the load trailing
- Do not handle unstable or loosely-stacked loads. Use special care when handling long, high, or wide loads.



- Obey all applicable traffic regulations. Yield the right-of-way to pedestrians. Drive on the right unless specified otherwise.
- Always stop the truck and check around corners when approaching or crossing aisles, when entering or exiting an area, or when visibility is obstructed
- Keep hands away from moving parts when load is being lifted and/or moved
- Verify sufficient light visibility for operation
- Fully lower forks when leaving unit unattended or in storage
- Read and understand this manual prior to operating truck. Notify your supervisor of any concerns or questions. Carefully review all safety decals on vehicle.

## 2.2 Pedestrians

Pay attention to pedestrians at all times. Area personnel may not be familiar with this unit and its operation. Always yield the right-of-way to pedestrians. Do not drive truck in the direction of personnel, particularly anyone standing next to a solid object such as a wall or workbench.

## 2.3 Travel

Operate this vehicle at an authorized speed consistent with conditions. Be sure to maintain a safe distance from other trucks. Maintain operational control and a clear path at all times to avoid possible accidents and injury. Be sure to stop truck and sound horn when crossing aisles or when visibility is obstructed. Stay to the right unless conditions dictate otherwise. Do not pass another truck traveling in the same direction at intersections, blind spots, or other hazardous locations. Avoid sudden starts, stops, or turns particularly when operating with stacked loads. Slow down for rough, wet, or slippery floors, and avoid running over objects on the floor.

## 2.4 Lifting And Loading

**Follow these instructions when lifting and loading:**

- Only move loads that are securely and safely loaded
- Place forks under load as deep as possible
- When truck is unloaded be sure to travel with fully lowered forks



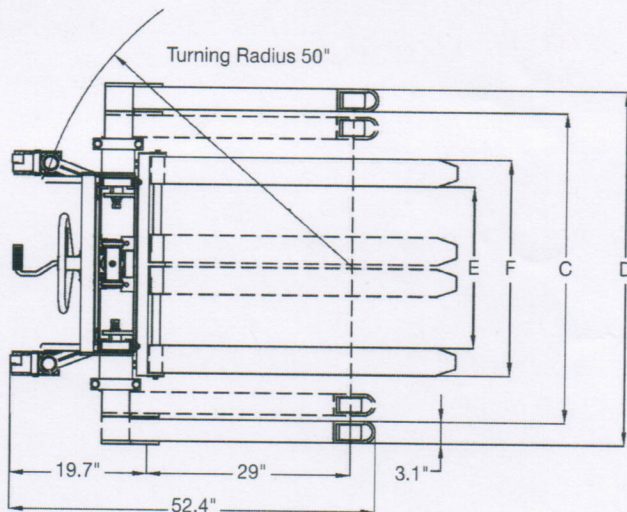
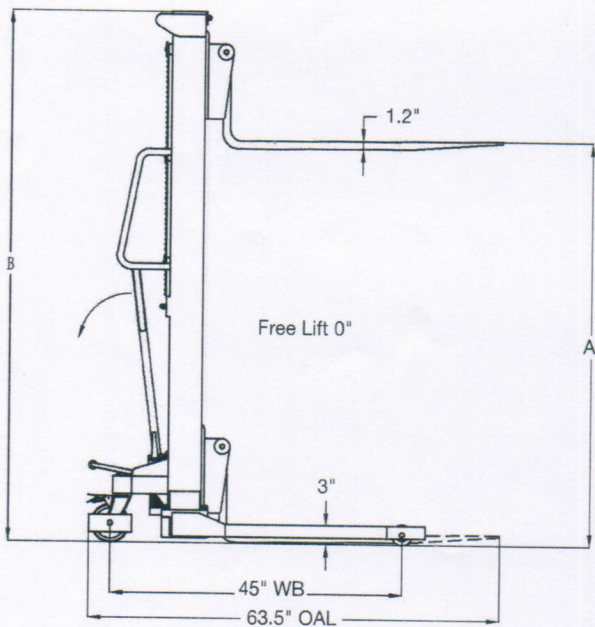
### 3. MAIN PARAMETERS

#### 3.1 Capacity Plate

Capacity plate information:

The capacity plate is on the truck and contains:

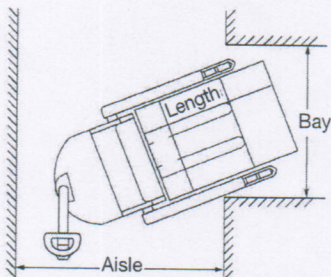
- Capacity information
- Truck weight (without battery or load)
- Truck dimensions



**Aisle Guide - Right Angle Stacking**

Lift Width	Load Length		
	36"	40"	48"
36"	57.3	57.3	57.3
40"	57.5	58.6	58.6
48"	63	63	63

For ease of use add 8" to aisle dimension listed



Aisle dimensions listed above assume the minimum bay width to be straddle OD plus 5" (2.5" on either side of straddle leg). Straddle OD is the load width plus 8". Truck performance may vary due to application requirements and changes in model design.

Model	Mast	Lift Height	Col. Height	Adjust Straddle Legs		Pin Style Fork Carriage				Ship Weight
				ID	OD	ID	OD	Length	Width	
986288	Non Telescopic	A	B	C	D	E	F	G		
		63"	82.7"	37"-50"	43-56"	0.7"-23.2"	8.5" to 31"	42"	4"	650 lbs.



## 4 . Operating Instructions

Using the machine for any purpose other than lifting material is unsafe.

### 4.1 Raising and Lowering Load

1. Please load centrally across the forks. Check the load diagram on the machine for correct load center position.
2. Raise the load by pumping the handle in the ASCENT position
3. Lower the load by setting the control lever in the LOWER position

### 4.2 Moving machine with a load

It is best to move the machine without a load. Moving a raised load should be restricted to positioning for loading and unloading. If it is necessary to move the machine with a raised load, understand and obey the following safety rules:

1. Area should be level and clear of obstructions
2. Load is correctly centered on the forks
3. Avoid sudden starts and stops
4. Travel with load in the lowest possible position
5. Do not tilt the machine back with a raised load by pulling the C-shape handle on the mast
6. Keep personnel away from machine and load

### 4.3 Moving machine on small slopes

The machine shall not be used on gradients. If it is necessary to negotiate small slopes for the purpose of moving unit, understand and obey the following safety rules:

1. The gradient should be no more than 2%
2. The machine should be unloaded
3. The forks should be facing downgrade

## 4.4 Actual operating capacity

The actual operating capacity of the machine is the responsibility of the user. It may depend on the operator, floor and machine conditions, and frequency of the load handling cycle. If the load exceeds the actual operating capacity, the operator must be assisted by one or more persons.

### 5.1 Oil

#### 1. Add oil

If forks do not reach maximum height, oil should be added. Restore the fluid level in the reservoir to 2mm below the oiling hole; must be completed with forks in the lowered position.

#### 2. Change oil

Drain oil in pump unit. Then add oil as item 1.

#### 3. Use the hydraulic type oil according to the temperature scale below.

Temperature	Oil
20°C~+40°C	L-HV45 Hydraulic Oil

### 5.2 How to expel air from pump unit

Air may enter the unit when seals are replaced. Lift the control lever to the LOWER position and move handle up and down several times.

## INSPECTION AND MAINTENANCE SCHEDULE

COMPONENT	CHECK	TIME INTERVAL		
		1 Month	6 Months	12 Months
Frame	Check the loading parts		x	
Wheels	Check wearing, bearing and bearing housing	x	x	
Turning	Verify proper operation	x		
Hydraulic Unit	Oil level, Change oil (about it) Check safety valve			
Lifting Chain	Verify proper functionality	x		
Brake	Verify proper functionality	x		
Moveable Parts	Check lubrication and tear	x		