

CLARK

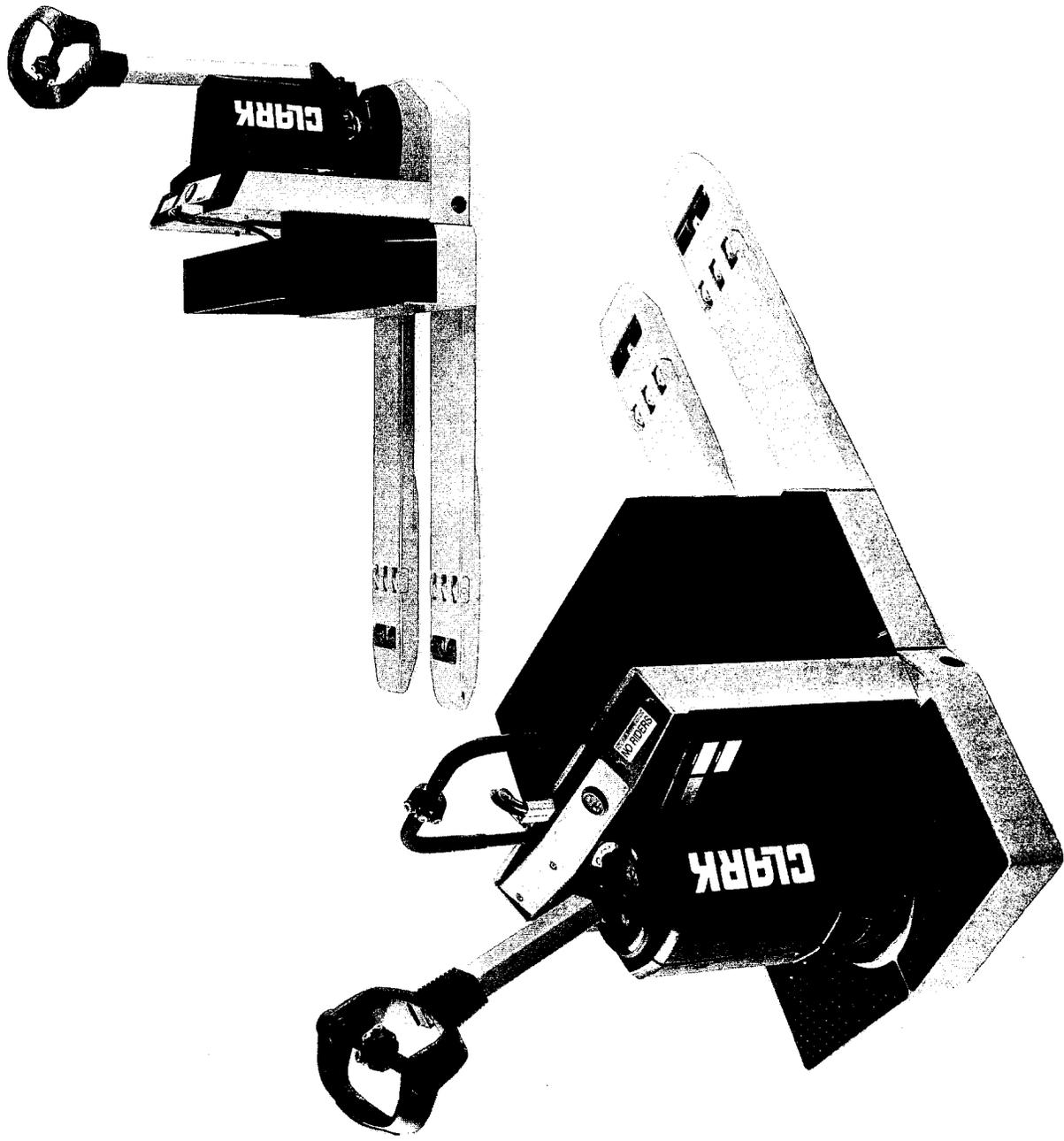
P/HWP

Series

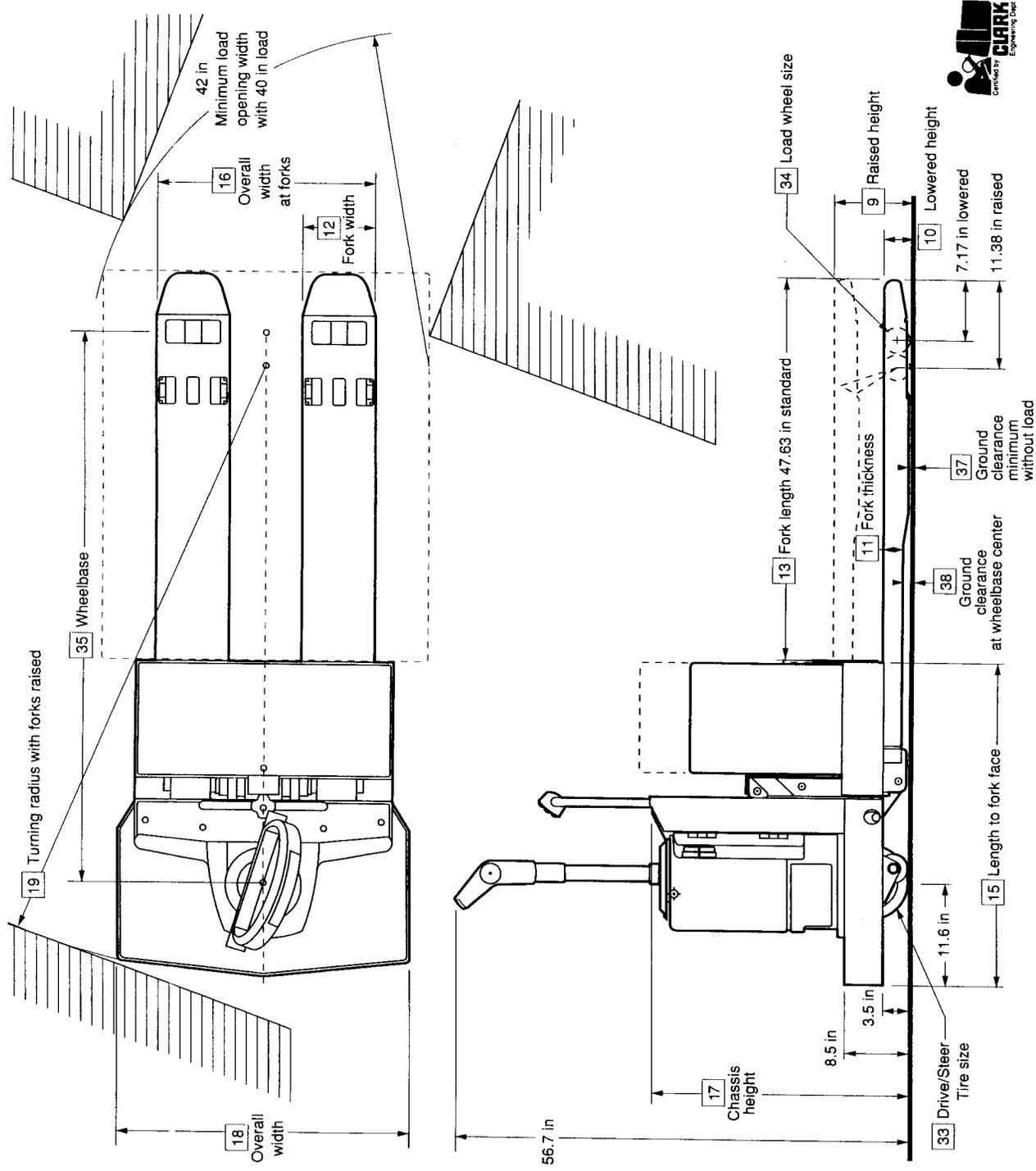
**24 Volt Electric
Walkie Pallet Trucks
Walkie / Rider Pallet Trucks**

**P 25/30
HWP 25/30**

Rated Capacities: 5,000 / 6,000 lbs

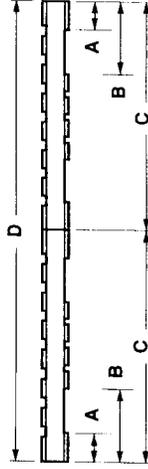


HWP Dimensions



General Data

Fork Lengths & Pallet Dimensions



Battery Compartment Dimensions

	Width inches	Length inches	Height inches
Small	35.5	7.0	All
Large	31.4	13.6	All

Fork Length	C Pallet Length	D Load Length	A Bottom Board Width	B Minimum clearance for wheel drop from end of pallet
35.63	36	36	6	15
41.63	42	42	6	15
47.63	48	48	6	15
53.63	54	54	6	15
59.63	60	60	6	15
71.63	72	72	6	15
95.63	96	96	6	15

All measurements are in inches

For Single Pallet Handling		For Double Pallet Handling	
84/93/96	48	96	6
			15

ANSI and Insurance certification

Standard truck meets all applicable mandatory requirements of Part II - ANSI B56.1, 1969 and 1998 Safety Standard for Powered Industrial Trucks and Underwriter's Laboratories requirements as to fire hazard only for "E" classification. For further information contact a Clark representative.

HWP Product Specifications

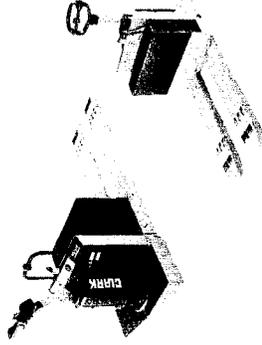
1	Manufacturer	Manufacturer Designation	Clark HWP 25	Clark HWP 30
2	Model		HWP 25	HWP 30
3	Load Capacity	lbs	5,000	6,000
4	Load Center	in	24	24
5	Power Unit		24 volt	24 volt
6	Operator Type		Ride-Walk/low lift/pallet	Ride-Walk/low lift/pallet
7	Tire Type		Rubber/urethane	Rubber/urethane
8	Wheels (x = Driven)		1x/4	1x/4
9	Pallet Forks	Lift height - to top of forks	9.25	9.25
10		Lowered height at heel/toe	3.50 / 3.25	3.50 / 3.25
11		Fork thickness	2.50	2.50
12		Fork width	9.13	9.13
13		Fork useable length ¹	47.63	47.63
15		Length to fork face ²	32.0 / 38.5	32.0 / 38.5
16		Overall width, forks	27.13	27.13
17	Chassis	Height	32.39	32.39
18		Width, overall	36.0	36.0
19	Turning Radius (Minimum)	With 48Lx40W Pallet raised ²	68.9 / 75.2	68.9 / 75.2
		With 48Lx40W Pallet lowered ²	72.9 / 79.2	72.9 / 79.2
22	Right Angle Stack Aisle (Add Load Length & Clearance)	With 48Lx40W Pallet raised ²	75.7 / 82.0	75.7 / 82.0
		With 48Lx40W Pallet lowered ²	80.5 / 87.9	80.5 / 87.9
24	Travel Speeds	With load	5.4	4.9
		Without load	7.7	7.7
30	Service Weight Without Load	With minimum battery weight ²	1665 / 2090	1665 / 2090
32	Tires & Wheels	Number, front/rear	1 / 4	1 / 4
33		Size, front (drive & steer)	10.0 x 5.0 x 6.5	10.0 x 5.0 x 6.5
34		Size, rear	3.38 x 2.63	3.38 x 2.63
		Size, stabilizing casters	4.0 x 2.5	4.0 x 2.5
35	Wheelbase	With forks lowered ²	61.1 / 67.6	61.1 / 67.6
37	Ground Clearance	Minimum without load	0.38	0.38
38		At center of wheelbase	0.75	0.75
39	Brakes	Service	Drum and shoe	Drum and shoe
40	Steering	Parking	Spring applied	Spring applied
			Pivot arm	Pivot arm
41	Battery	Type	Lead acid	Lead acid
42		Max. capacity (6 hr. rate) ²	7.7 / 21.5	7.7 / 21.5
43		Weight, minimum ²	456 / 821	456 / 821
		Weight, maximum ²	575 / 1461	575 / 1461
44	Motors, controls	Drive motor, diameter	6.63	6.63
45		Hydraulic motor diameter	4.5	4.5
		Drive motor control	FET, infinite	FET, infinite
		Speed control	Solid state	Solid state
		Hydraulic motor control	Contact	Contact
55	Hydraulic Pressure (Relief)	For lift	2300	2300

Notes

- 1 Other fork lengths available, see general data.
- 2 Specifications shown for small/large battery compartment models.

Product Description

Clark P 25/30 electric walkie and HWP 25/30 electric walkie/ride pallet trucks provide maximum durability, reliability, and proven performance in severe duty, heavy loading applications. New design technology has allowed us to build-in the ruggedness you have come to expect from a Clark Powerworker yet greatly improve energy efficiency, reliability, productivity and your life cycle cost benefits.



Operator Comfort/Convenience

- Smooth, rounded operator control handle
- Shape coded control buttons
- Twist grip/butterfly type speed control

Ergonomically innovative operator control handle provides optimum operator protection. The hand guard loop is smooth and rounded to prevent snagging clothes, adjacent loads or other objects, while completely encircling the operator's hands for optimum protection. The wide, rounded emergency switch at the end of the control handle propels the truck in the opposite direction if it comes in contact with the operator.

The twist grip assembly provides infinite control of travel speeds with either hand operation. The shape coded control buttons are conveniently located in the center of the twist grip assembly for easy fingertip reach, and also provide thumb position for butterfly type control of travel if desired. The HWP high speed hand rail is rubber padded for non-slip gripping, and has center mounted raise, lower and high speed control buttons for increased operator productivity. A standard, lever actuated coast control increases order picking efficiency. Low 8.5" step height of the rider platform allows easy on/off access.

Motors

- Class "H" insulation
- Vertically mounted

Drive motor is 6.63" diameter, series wound, ventilated, and equipped with sealed ball bearings for long life. Class "H" insulation means better thermal capabilities and increased motor life. Motor design provides high torque at low travel speeds, critical for moving heavy loads up ramps and across dock plates, while the increased horsepower of the HWP motor provides faster travel speeds. Drive motor is integral with the drive line to assure positive alignment, and its vertical mount allows easy access for service.

The hydraulic motor is 4.5" diameter, Class "H" insulation, vertically mounted and integral with the hydraulic pump and reservoir.

Material Handling Company

A business unit of Clark Equipment Company

Electrical System

- 24 volt electrical system
- Field Effect Transistor control

The P/HWP electrical system is 24 volt and U.L. listed type "E". Standard on all models is the General Electrical EV-T5 Solid State Field Effect Transistor Control System. This system offers many advantages that greatly reduce maintenance costs while providing maximum energy efficiency and infinite speed control.

EV-T5 features include an enclosed design for protection from contaminants; ramp start; "cold switching" for greatly increased contactor tip life; and high operating frequency for cool and quiet truck operation.

Drive Line

- Double reduction helical spur and spiral bevel gears
- Totally enclosed with lubricating oil bath

Power from the vertically mounted drive motor is transmitted through double reduction helical spur and spiral bevel gears to the drive wheel. All gears are within a sealed gear case and operate in an oil bath, for quiet, maintenance free operation. Power is transferred to the floor by the standard 10" diameter x 5" wide cushion rubber drive tire. The drive wheel is mounted via a five bolt pattern for simple removal and drive tire replacement.

Brakes

- Double acting drum and shoe type
- Spring applied - cam actuated release

Movement of the control handle up or down from the standard operating position applies the brake. Cam actuation allows brake feathering for smooth stops. The drum and shoe type brake assembly is mounted on top of the drive motor on the armature shaft to take advantage of full gear reduction to increase braking torque. A switch cuts out current to the drive motor when the brake is applied. The spring loaded control handle returns to the upright brake on position when released to allow the service brake to also act as the parking brake. Brake assembly mounting position allows excellent serviceability access.

Hydraulic System

- Integral motor-pump-reservoir assembly
- Center mounted, piston type lift cylinder

The vertically mounted heavy duty pump-motor reservoir assembly is an integral system. The assembly also incorporates a control valve and pressure relief valve for controlled lowering and system overload protection. The closed system has no breather cap which would allow contaminants to enter the system. Center mounted, piston type lift cylinder, has a hard chrome plated ram for long life. A limit switch shuts off the lift motor at top of lift stroke. An adjusting nut on top of the lift cylinder allows for fork heel adjustment.

Steering

- Low pivot mount on P models
- Top mount on HWP models

A large 12" diameter greaseable heavy duty ball bearing allows for easy drive unit rotation 90° to the right or left. The structural steel tubing of the steer control handle allows for maximum strength and durability. Its low mounting point on the drive unit on the P provides increased leverage for minimal steer effort. The top mount on the HWP model improves footroom clearance and truck control.

Frame and Forks

- Formed steel plate with bar steel reinforcements
- Square section solid steel pull rods
- Elevating bracket with 3 lug mounting design

The truck frame and load forks are fabricated from plate and bar steel, formed and electrically welded into structure units providing maximum strength and rigidity. The fork assembly has formed steel toes with steel pallet entry skids and tapered entry and exit ramps. A steel wear plate welded across fork heels provides increased strength and durability. Truck lift linkage provides a full 6" of lift for maximum underclearance when working on dock plates and dock boards. Solid steel square section pull rods provide maximum strength and three lug design elevating bracket ensures maximum pin and bushing life. All linkage pivot points are easily greaseable and feature hardened steel bushings. Standard T style elevating bracket/load wheel design allows quick and simple load wheel change-outs. Standard load wheels are dual 3.38" diameter x 2.63" wide polyurethane with single shield ball bearings.

HWP standard stability casters are Clark designed, all steel, spring loaded, greaseable, re-buildable, and durable. Standard caster wheels are 4" diameter x 2.5" wide polyurethane.

Standard Features

P-HWP-Standard features includes: G.E. EV-T5 FET Control System, full 6" lift height, hour meter, horn, key switch, 24 volt electrical system, cushion rubber drive tire, poly load wheels, 7" or 13.6" wide battery compartments, SB-175 amp grey connector, high visibility Clark green and black finish with hinged, polyethylene covers. Additional HWP features include coast control, articulating stability casters, spacious operator platform with non-skid metal covering, and high speed safety rail with center mounted control buttons.

Options

Optional equipment for both P and HWP models includes: Battery discharge indicator, battery discharge indicator with lift lock-out, load backrests, polyurethane drive tire, battery compartment rollers and right hand exit gate, "EE" electrical system, cold storage protection, corrosion protection, zinc plated frame and fork assemblies, and yoke style single load wheels. Fork options include 22" to 32" fork widths, 36", 42", 48", 54", 60", 72", 84", and 96" standard fork lengths, and first opening second pallet 84", 93", and 96" extended tip forks.

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