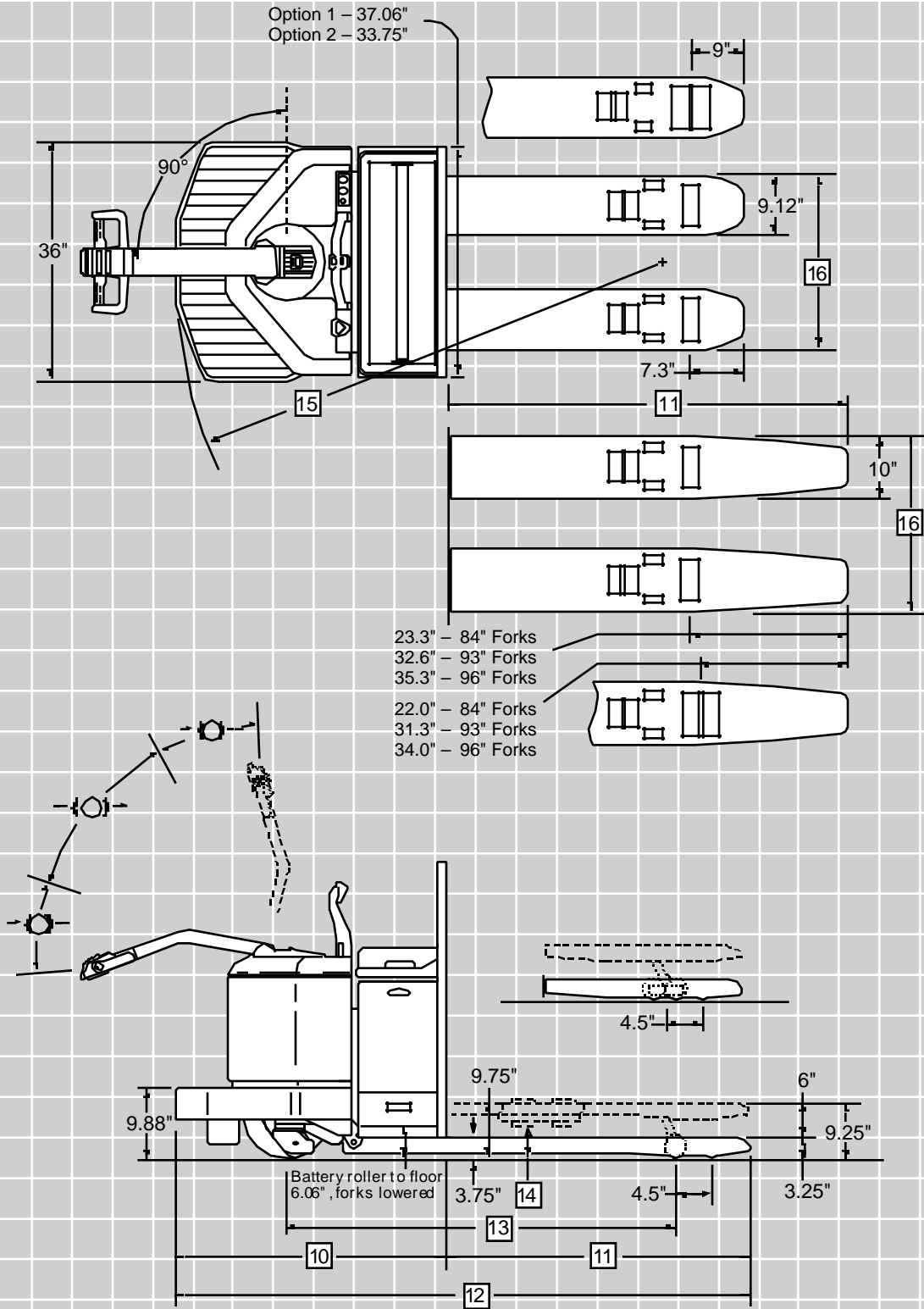


CROWN

PE 3000 Series
end control pallet truck



specifications



General Info	1	Manufacturer		Crown Equipment	Crown Equipment
	2	Model		PE 3520	PE 3540
	3	Load Capacity	lb	6000/8000	6000/8000
	4	Power	Electric	24 Volts	24 Volts
	5	Operator Type	Stand-up	Walk/Ride	Walk/Ride
Dimensions	8	Lift Height	in	9.25"	9.25"
	9	Lift	in	6"	6"
	10	Head Length	Option 1/Option 2 in	36.7/43.2	36.7/43.2
	16	Outside Fork Spread	Standard Tip in	22/27	22/27
	Extended Tip in		23/28	23/28	
Performance	17	Speed Travel	Empty mph	6.1	7.5*
			4000 lb mph	4.7	6.1*
			6000 lb mph	4.5	5.7*
			8000 lb mph	4.3	5.3*

*Speeds listed are power unit first direction of travel. Fork first travel on PE 3540 are the same as PE 3520.

PE 3000 Series			Standard Tip Forks						Extended Tip Forks		
	Nominal Fork Length	in	36	42	48	54	60	96	84	93	96
11	Actual Fork Length	in	35.75	41.75	47.75	53.75	59.75	95.75	83.75	93	95.75
12	Overall Length	Option 1 in	72.44	78.44	84.44	90.44	96.44	132.44	120.44	129.69	132.44
		Option 2 in	78.94	84.94	90.94	96.94	102.94	138.94	126.94	136.19	138.94
13	Wheelbase	Option 1 in	43.12	49.12	55.12	61.12	67.12	103.12	75.12	75.12	75.12
		Option 2 in	49.62	55.62	61.62	67.62	73.62	109.62	81.62	81.62	81.62
14	Grade Clearance	Option 1 %	44	38	34	30	27	18	24	24	24
		Option 2 %	38	33	30	27	25	17	22	22	22
15	Turning Radius	Option 1 in	60.95	66.93	72.90	78.88	84.88	120.8	92.9	92.9	92.9
		Option 2 in	67.43	73.40	79.38	85.38	91.38	127.3	99.3	99.3	99.3
7	Truck Weight	6000 lb lb	1496	1512	1528	1544	1560	1710	1643	1724	1739
		8000 lb lb	1515	1539	1563	1587	1611	1775	1703	1784	1799

		PE 3520-60	PE 3520-80	PE 3540-60	PE 3540-80
Model					
Drive Tire	in	13.5 x 5.5 x 8 (r)	13 x 4.5 x 8 (p)	13 x 4.5 x 8 (p)	13 x 4.5 x 8 (p)
Casters	in	2 - 4 x 2.5 (p)	2 - 4 x 2.5 (p)	2 - 4 x 2.5 (p)	2 - 4 x 2.5 (p)
Load Wheels	60"	4 - 3.25 x 3.25 (-35)	2 - 3.25 x 6.5 (-35)	2 - 3.25 x 6.5 (-35)	2 - 3.25 x 6.5 (-35)
	> 60"	2 - 3.25 x 6.50 (-35)	2 - 3.25 x 6.5 (-35)	2 - 3.25 x 6.5 (-35)	2 - 3.25 x 6.5 (-35)
-10	Low rolling resistance, cut/tear resistance. Docks, rough floors, floor debris and traction.				
-25	Superb cut/tear resistance, capacity, rolling resistance and ride. Excellent traction.				
-30	Moderate cut/tear resistance, high capacity. High capacity transport. Not for dock use.				
-35	Highest cut/tear resistance offered. Extremely high capacity, low rolling resistance. Docks, rough floors and floor debris.				
-40	Combines good cut/tear resistance and very high capacity. Use where nothing else works.				

(r) = rubber, (p) = poly, = less than or equal to, > = greater than

Maximum Battery Size

Option 1 - 6.69" wide x 34.44" long x 31.62" high.
 Option 2 - 13.19" wide x 31.12" long x 31.62" high.

Batteries

Option 1 - 24-volt, 390 amp hour, 8.8 Kwh.
 Min/Max weight 360/900 lb.
 Option 2 - 24-volt, 930 amp hour, 21.5 Kwh.
 Min/Max weight 975/1500 lb.

Standard Equipment

- 24-volt fused electrical system.
- Resistor control on PE 3520-60.
Sevcon transistor on PE 3520-80 and PE 3540-60/80.

- Polyurethane load wheels.
- Heavy-duty articulating casters.
- Full width, raise, lower, horn, and end mounted reversing button in control handle.
- Raise, lower, horn and high speed button on operator grab bar.
- 175 amp battery connector.
- Key switch.
- Horn.
- Lift-off left and right battery retainers.
- Anti- tie down.

Optional Equipment

- Sevcon transistor on PE 3520-60. Curtis transistor available on all models.
- Curtis Unigage (discharge indicator with lift lockout and hour meter).
- Discharge indicator.
- Hour meter.
- Coast control.
- QuickPick™ control handle.
- Platform cushion.
- Leg cushion.
- Quick adjustment caster.
- Quick adjustment caster with torsion bar package.
- Battery retainer interlock switch.

- Quick battery disconnect handle, (right side only).
- Left side battery connector.
- Battery compartment rollers.
- Lift-off load backrest.
- Hinged load backrest with quick release, (48", 60", or 72" high).
- Storage module, (Option 2 battery only).
- 7" wide fork, (6000 lb only).
- Drive tire and load wheel options.
- Toggle switch in lieu of key.
- Tandem load wheels.
- Cold and corrosion conditioning.
- Special color paint.
- Skid adapter.

Operator Area and Controls

The PE 3000 Series has a new operator platform which increases operator comfort and productivity. Rounded edges and careful placement of operator contact points make the PE 3000 Series user friendly.

The Crown PE 3000 Series has dual, soft urethane twist grips with automatic return to neutral when released. Two textures and a unique "cam" design aid in plugging, steering and long distance travel. On the control pod are full width raise, lower, and horn buttons for easy actuation. Reversing button in control handle reverses direction of travel if button should come in contact with operator. Soft urethane operator grab bar provides operator security and comfort. Grab bar has raise, lower, horn and high speed controls for improved productivity.

Many optional features for the operator area and controls are available to suit a wide range of applications.

Electrical System

Heavy duty 24-volt electrical system for demanding warehouse, dock and transport applications. Crown manufactured, series wound, high torque drive motor is application designed for reliability and ease of service. Resistor control is standard on PE 3520-60 and utilizes four heavy-duty contactors with silver tips. Solid state time relay on resistor control between 2nd and 3rd speeds provides controlled acceleration. Sevcon transistor control is optional on the PE 3520-60 and standard on all other models. Curtis transistor is optional on all models. Transistor control has many benefits; maximum energy efficiency, reduced maintenance, and infinite speed control. Crown enhancements include a 400 amp rating, bypass contactor for heavy loading ramping applications, arless contactor operation, ramp start, and a sealed enclosure that protects the control from water, contaminants, etc.

Anti-tie down is a standard feature designed to encourage proper operation of the truck by deterring the taping or tying down of the high speed control button. A lift limit switch operates at full lift height to shut pump motor off at full fork elevation. Color coded wiring is used for ease of service.

Hydraulics

Heavy duty pump, motor, reservoir and control are assembled into one unit. A centrally located lift cylinder, mounted vertically, is equipped with long life polyurethane packings. A pressure compensating flow control valve is an integral part of the valve block and regulates lowering speed. Overload valve protects hydraulic components.

Drive Unit

All gear drive from drive motor to drive wheel axle. Drive tire axle is mounted in the drive unit on both sides for maximum strength in rough floor or docking applications. Drive unit is top and bottom mounted. Top mount is a large, tapered roller bearing for vertical or horizontal forces. Bottom mount has four shock mounted rollers on drive unit running in a hardened steel roller race. Gear train runs in oil-filled, sealed housing.

Caster System

Standard on the PE 3000 Series are spring-loaded, articulating, stabilizing casters designed and manufactured by Crown for increased truck performance and service life.

Crown has designed two optional caster systems for the PE 3000 Series to meet high-volume warehouse requirements:

Option 1: Quick adjustment casters enable braking, traction, steer effort and stability to be "balanced" based on your specific applications. This system can also increase drive tire life by as much as 60 percent by permitting more tire wear.

Option 2: All of the advantages of quick adjustment casters are yours, in addition to a torsion bar suspension that maximizes stability on tall, unwieldy and less stable loads.

Fork Assembly

Fork width - 9.12" on standard tip fork models, 10" on extended-tip fork models. Fork spread - 22" and 27" standard on standard-tip models. 23" - 26" spread available in one inch increments. 23" and 28" standard on models with extended-tip models. Fork spreads from 24"-27" available in one-inch increments. Fork lengths - 36, 42, 48, 54, 60, 96" with standard tip; 84, 93, and 96" forks available with extended tip design for shorter wheelbase.

To facilitate pallet entry/exit

Crown has engineered several features into their fork assembly. Standard-tip forks have pallet entry rollers to lift fork over bottom board of pallet. Rollers are made of high molecular weight polyethylene with .75" axle and roll pin.

Extended-tip fork design has totally enclosed tip, with full length convex bottom surface creating an entry ramp. Ramp design helps fork glide over bottom boards of pallet and keeps welded edges from touching bottom boards of pallet.

Abrasion resistant steel entry/exit slides on both sides of each fork have convex bottom surfaces to prevent snagging as forks move over bottom boards of pallet. One piece design with radiused edges are welded away from contact point of slide.

New exit roller design prevents load wheel from dropping after crossing bottom board. The 4" wide, steel exit roller is positioned directly behind the load wheel to keep the fork rolling. New entry/exit slide design also assists in trouble free pallet entry/exit.

Fork adjustment is done at the toe with no need to remove a cover plate. Fork heel height adjustment is done quickly without removing battery. Quick and easy fork adjustment promotes servicing of fork assembly to keep pallet entry/exit productive.

Pull rod design incorporates a replaceable "tenon" design for fast servicing of pull rod while still in the truck.

Power Unit Structure

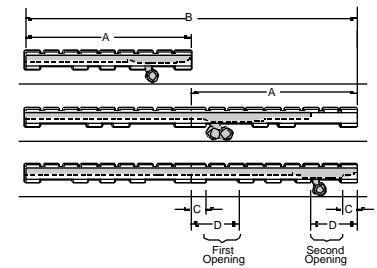
Rugged steel doors are suspended on heavy-duty pin hinges. Doors swing wide for good access. Doors also can be lifted off for unrestricted service access. Door bolts have exclusive convex design that mates with concave door holes for fast reinstallation of bolts. Heavy steel skirt surrounds entire area.

Brake

Internal expanding mechanical brake with fin-cooled 6" drum. Braking on PE is actuated by control handle position.

Pallet Planning Guide

On standard-tip fork models, the load wheel will drop in the second opening of the pallet when "A" or "B" dimension equals the nominal fork length. On extended-tip fork models, the load wheel will drop in the first opening of the second pallet. On models with a single load wheel, the "C" dimension should be 6" maximum and the "D" dimension should be 14" minimum. On models with tandem load wheels, the "C" dimension should be 6" maximum and the "D" dimension should be 17" minimum. Customers that need tandem load wheel trucks, but use pallets with smaller openings, may be accommodated if the maximum lift height of the truck is reduced. Contact your Crown dealer for details.



Other Options

1. Audible Travel Alarm.
2. Flashing Lights.

Safety considerations and dangers associated with audible travel alarms and flashing lights include:

- Multiple alarms and/or lights can cause confusion.
- Workers ignore the alarms and/or lights after day-in and day-out exposure.
- Operator may transfer the responsibility for "looking out" to the pedestrians.
- Annoys operators and pedestrians.

Dimensions and performance data given may vary due to manufacturing tolerances. Performance is based on an average size vehicle and is affected by weight, condition of truck, how it is equipped and the conditions of the operating area. Crown products and specifications are subject to change without notice.