

CROWN

Specifications

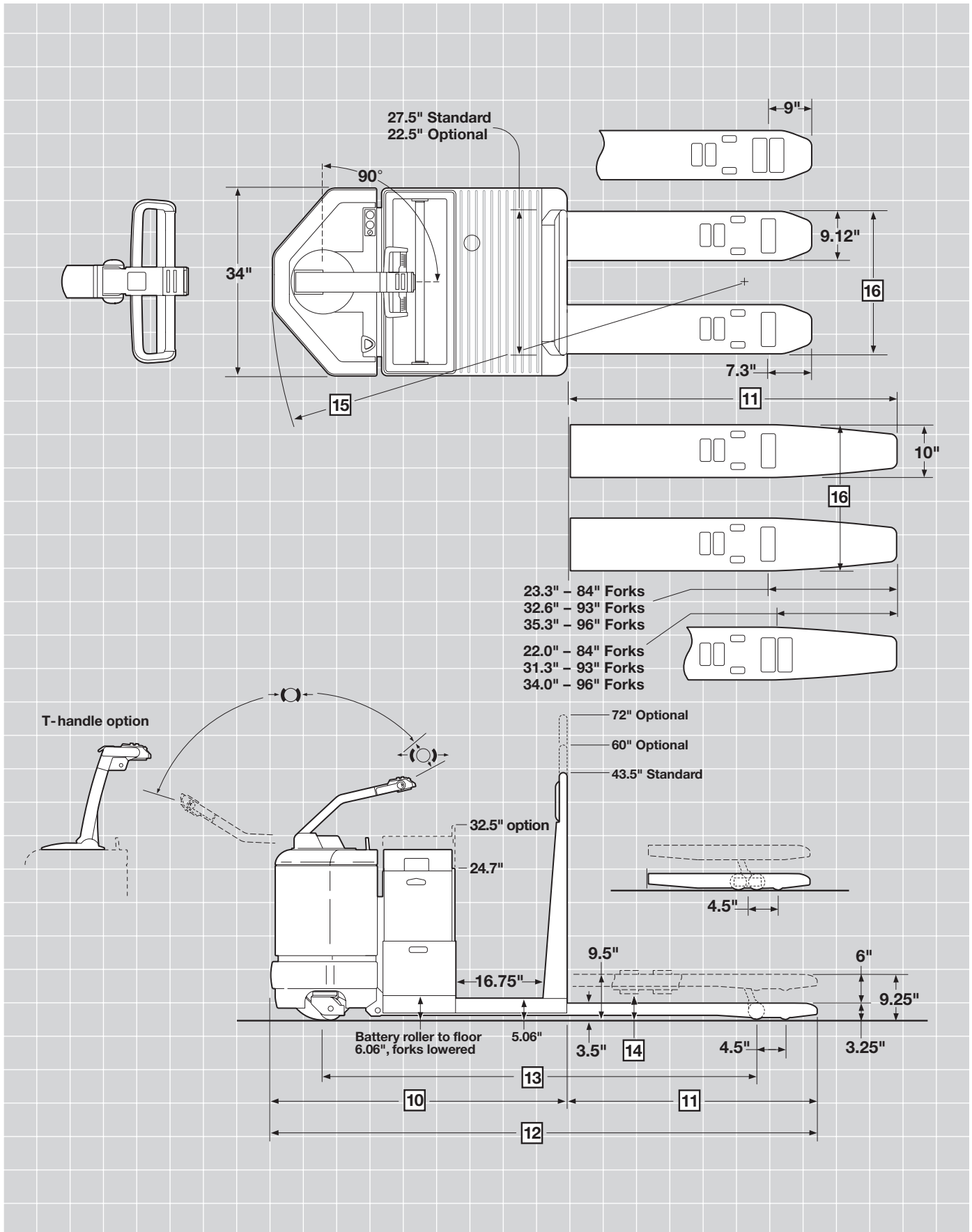
PC 3600 Series

Center Control
Pallet Truck

PC 3600

Series





PC 3600 Series

Specifications

General Info	1	Manufacturer		Crown Equipment Corporation		
	2	Model		PC 3600		
	3	Load Capacity	lb	6000/8000		
	4	Power	Electric	24 Volts		
	5	Operator Type	Stand-up	Ride		
Dimensions	8	Lift Height	in	9.25		
	9	Lift	in	6		
	10	Head Length	in	57.31		
	16	Outside Fork Spread	Standard Tip	in	22/27	
Extended Tip			in	23/28		
Performance	17	Speed Travel			Power Unit First	Forks First
			Empty	mph	8.6	5.5
			4000 lb	mph	7.0	5.2
			6000 lb	mph	6.3	5.1
			8000 lb	mph	6.0	5.0

PC 3600 Series				Standard-Tip Forks					Extended-Tip Forks				
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	in	93.06	99.06	105.06	111.06	117.06	153.06	141.06	150.31	153.06	
	13	Wheelbase	Forks Raised	in	71.25	77.25	83.25	89.25	95.25	133.25	103.25	103.25	103.25
	14	Grade Clearance	%	25	23	21	20	19	13	17	17	17	
	15	Turning Radius	Forks Raised	in	81.4	87.4	93.4	99.4	105.4	143.3	113.4	113.4	113.4
	7	Truck Weight	6000 lb	lb	1895	1911	1927	1943	1959	2109	2092	2173	2188
8000 lb			lb	1914	1938	1962	1986	2010	2174	2152	2233	2248	

Wheels and Tires	Model	PC 3600-60 and PC 3600-80			
	Drive Tire	in	13 x 4.5 x 8 Poly		
	Casters	in	2 - 4 x 2.5 Poly		
	Load Wheels	in	2 - 3.25 x 6.5 (-302)		
	-301 Moderate cut/tear resistance, high capacity. High capacity transport. Not for dock use.				
	-302 Highest cut/tear resistance offered. Extremely high capacity, low rolling resistance. Docks, rough floors and floor debris.				
	-401 Combines good cut/tear resistance and very high capacity. Use where nothing else works.				

Maximum Battery Size

13.19" wide x 31.12" long x 31.62" high

Batteries

24-volt, 750 amp hour, 15.2 Kwh
Min/Max weight 975/1500 lb

Standard Equipment

1. 24-volt fused electrical system
2. Model 1404C separately excited control
3. InfoPoint® - quick reference guide and maps support diagnostics
4. Short battery wall (use with 23.38" tall battery)
5. 27.5" wide load backrest
6. 43.5" tall load backrest
7. Padded back cushion
8. Polyurethane load wheels
9. Polyurethane drive tire
10. Quick adjustment casters
11. Standard handle includes twist grips with cams and full width raise, lower and horn button
12. 175 amp battery connector
13. Key switch
14. Horn
15. Lift-off left and right battery retainers
16. Color-coded wiring
17. Steel doors

Optional Equipment

1. Curtis Spyglass Gage (discharge indicator with lift lockout and hour meter) and event codes
2. Hour meter
3. Molded urethane leg cushion (battery wall mount)
4. Molded urethane platform cushion
5. Tall battery wall (use with 31.62" tall battery)
6. 22.5" wide load backrest
7. 60" or 72" high load backrest
8. "T"-type control handle includes full width twist grips with cams, full width raise, lower and horn buttons, dual brake levers and parking brake
9. Raise, lower and horn control module on load backrest
10. Storage tray and bin in load backrest
11. Storage module on battery (23.28" high battery only)
12. Torsion bar package for quick adjustment caster
13. Battery compartment rollers
14. Battery retainer interlock switch
15. Quick battery disconnect handle (right side only)
16. Left side battery connector (facing power unit door)
17. Drive tire and load wheel options
18. Toggle switch in lieu of key
19. Cold and corrosion conditioning
20. Custom color paint
21. Skid adapter

Operator Area and Controls

The PC 3600 Series incorporates an operator compartment to increase comfort and productivity. Rounded edges and careful placement of operator contact points make the PC 3600 Series user-friendly.

A larger operator platform allows quick entry/exit onto the truck.

In low level order picking applications, where walking through the compartment is common, the larger compartment, low profile high speed pedal, rounded edges and optional load backrest width and heights help walk-through.

When the pedal is engaged, it is approximately flush with the platform cushion for maximum comfort.

All operator contact points are rounded to prevent snagging of operators clothes or job related items.

Optional width and height load backrests can be specified for your application. Hip, shoulder and elbow clearance are maximized when this feature is customized to your operators and load sizes.

A large back cushion is standard to minimize fatigue when the operator is in the transport position. Optional floor and leg cushions can be provided to further reduce fatigue, increase comfort and maximize productivity.

The standard handle has dual soft urethane twist grips that return to neutral when released. Full width raise, lower and horn buttons are employed for easy actuation. The "T" type control handle is optional.

An optional control module on the load backrest for raise, lower and horn is available.

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. The new 1404C separately excited traction control integrates many of the operating features to provide excellent control and reliability. Directional contactors are eliminated, while traction speeds have been improved for optimum productivity. Crown manufactured, separately excited, high torque drive motor is application designed for reliability and ease of service.

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 PC 3600 Series are the quick adjustment casters. These casters adjust quickly to enable braking, traction, steer effort and stability to be "balanced" based on your specific application. This system can also increase drive tire life by as much as 60% by permitting more tire wear. The optional torsion bar suspension is available to maximize 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 and 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

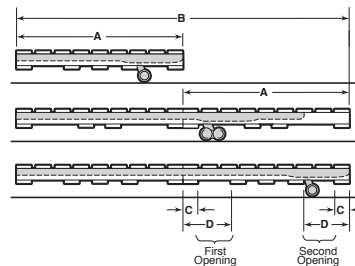
Rugged steel doors are suspended on heavy-duty pin hinges. Doors swing wide for good access. Doors also can be lifted off for unrestricted service access. Door bolts have exclusive convex design that mates with concave door holes for fast reinstallation of bolts. Heavy steel skirt surrounds entire area.

Brake

Internal expanding mechanical brake with fin-cooled 6" drum. Braking on PC is actuated by two brake levers on the control handle or by 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.



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