

CROWN

Specifications

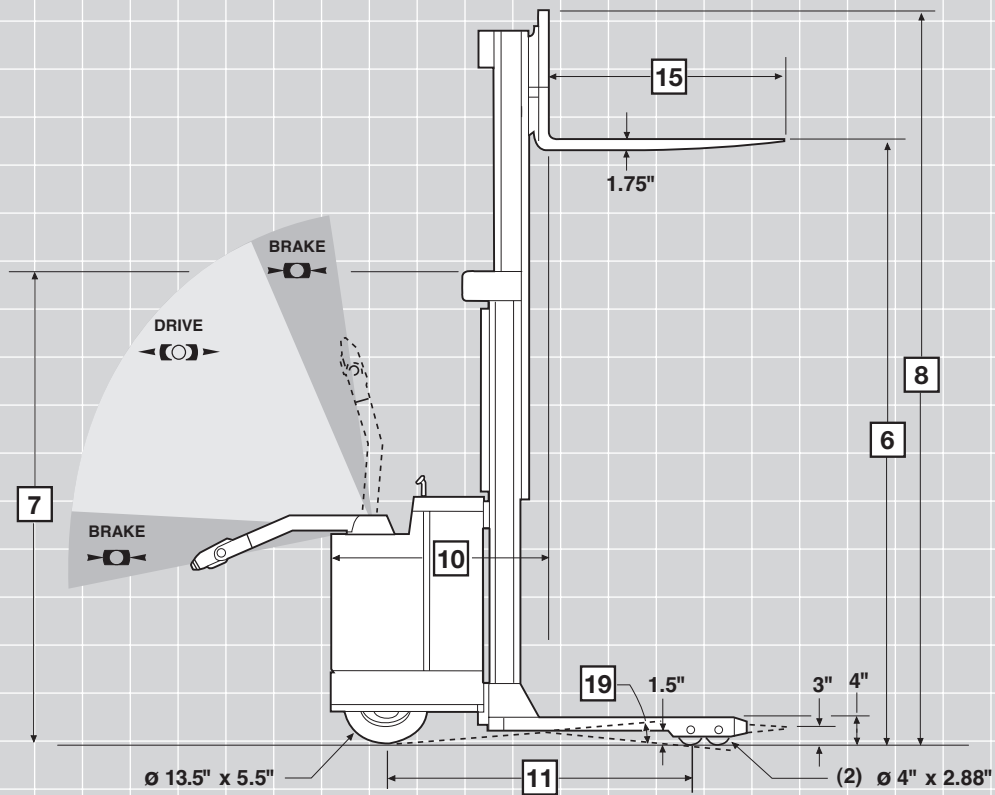
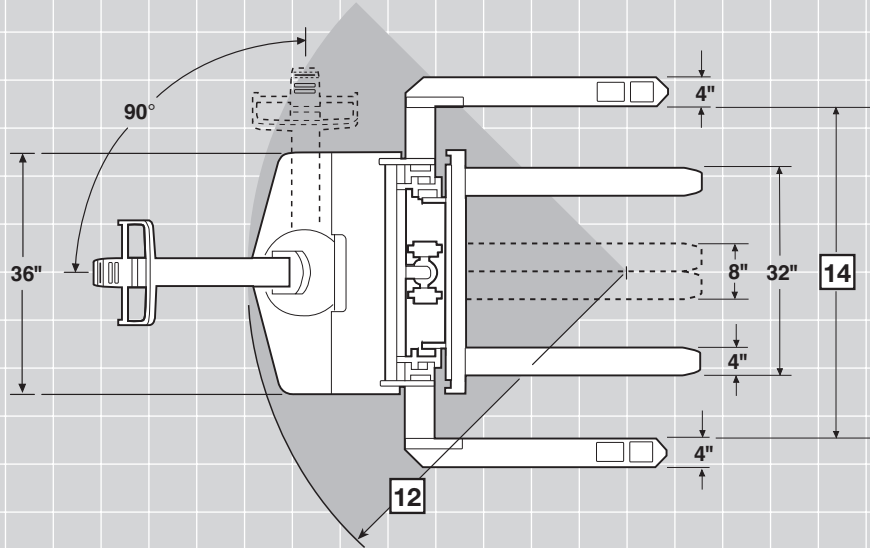
W Series

Heavy-Duty
Walkie Stacker

W

Series





General Information	1	Manufacturer	Crown Equipment Corporation							
	2	Model	40WTL			40WTF			40WTT	
		Mast Type	Telescopic - Limited Free Lift			Telescopic - Full Free Lift			Triple Stage	
	3	Operator Type	Walkie			Walkie			Walkie	
	4	Load Capacity	lb	4000			4000			4000
5	Load Center	in	24			24			24	
Dimensions	6	Lifting Height	in	106	130	154*	106	130	154*	152*
		Free Lift	in	11.2	11.2	11.2	51.8	63.8	75.8	51.8
	7	Collapsed Height**	in	71	83	95	71	83	95	71
	8	Extended Height	in	126.2	150.2	174.2	126.2	150.2	174.2	174.2
	9	Net Weight Less Battery	lb	2460	2570	2750	2485	2595	2775	3065
	10	Head Length***	in	33.8	33.8	33.8	33.8	33.8	33.8	36.2
	11	Wheelbase***	in	45.8	45.8	45.8	45.8	45.8	45.8	47.5
	12	Turning Radius***	in	56.2	56.2	56.2	56.2	56.2	56.2	58
	13	Maximum Battery Size	Battery Option 1 in	6.62 x 35.06 x 23.25 high						
		Battery Option 2 in	13.12 x 31.75 x 23.25 high							
14	Inside Straddle	in	34 to 50 in 2" increments*							
	Outside Straddle (Overall Width)	in	8" + Inside Straddle Dimension							
15	Fork Lengths	in	30, 36, 42, 48, 54 and 60 (1.75 thick x 4 wide)							
Performance	16	Travel Speeds	w/wo Load mph	2.7/3.3						
	17	Lifting Speeds	w/wo Load fpm	25/44						
	18	Lowering Speeds	w/wo Load fpm	30/20						
	19	Grade Clearance	Battery Option 1 %	10	10	10	10	10	10	9
	Battery Option 2 %	9	9	9	9	9	9	8		

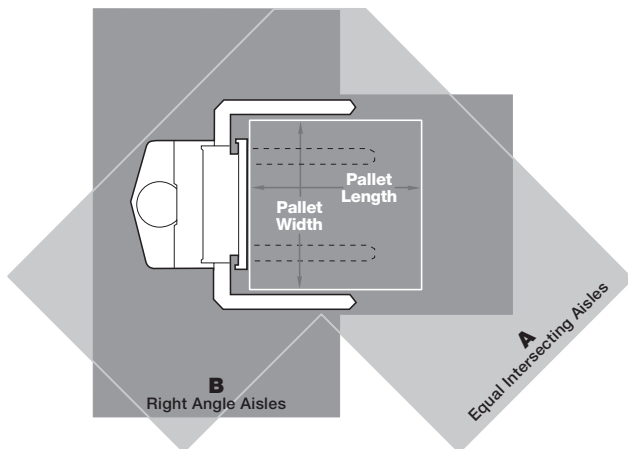
* Minimum inside straddle dimension on units with 152" and 154" lifting height is 38".

** Add 6" if strobe light is used.

*** Add 6.5" if Option 2 battery compartment is used.

W Series

Aisle Planning Guide



Option 1 Battery Compartment

Pallet Width		Pallet Length							
		30		36		42		48	
		A	B	A	B	A	B	A	B
30	in	62	68	62	69	63	70	63	73
36	in	66	70	66	71	67	72	67	74
42	in	69	72	69	71	70	74	70	75
48	in	72	74	72	75	73	75	73	75

Option 2 Battery Compartment

Pallet Width		Pallet Length							
		30		36		42		48	
		A	B	A	B	A	B	A	B
30	in	65	73	65	74	66	75	66	78
36	in	69	75	69	76	70	77	70	79
42	in	72	77	72	78	73	79	73	80
48	in	76	79	76	80	77	80	77	80

Add 6" to all aisle dimensions for maximum maneuverability.
For 40WTT add 3" to the above dimensions.

Capacity

4000 lb at 24" load center

Maximum Battery Size

Option 1: 6.62" wide x 35.06" long x 23.25" high - up to 225 amp hours, 24 volts

Option 2: 13.12" wide x 31.75" long x 23.25" high - up to 600 amp hours, 24 volts

Standard Equipment

1. 24-volt electrical system
2. Plexiglass safety shield
3. Emergency power disconnect
4. Three speeds forward and reverse
5. Key switch
6. Horn
7. SB175 battery connector
8. High speed cutoff switch

Optional Equipment

1. Transistor speed control
2. Raise and lower buttons in control handle
3. Polyurethane drive tire - 13" dia x 4.5" wide
4. Raise and lower on retractable cord
5. Discharge indicator
6. Hour meter
7. Standard yellow or orange paint
8. Work platform
9. Load backrest
10. Single or double function hydraulics
11. Freezer conditioning

Wheels and Tires

Rubber Drive Tire -13.5" dia x 5.5" wide x 8" dia hub, pressed-on high profile with wide lug cushion tire.

Load Wheels - 2.88" wide, 4" dia polyurethane. Load wheels have sealed bearings. Axles are flush to help prevent pallet damage.

Forks

1.75" thick x 4" wide forged steel forks with full upset heel standard on all models. Overall fork width is adjustable from 8" to 32". Fork Carriage on all models is standard ITA Class II hook type.

Hydraulic System

1. Heavy-duty motor and gear pump assembled as an integral unit. Pump and motor unit hinged for easy accessibility to electrical system.
2. Spool-type hydraulic control valve with built-in check and relief valve permits infinite control of fork positioning.
3. Pressure compensating flow control valve at base of lift cylinder regulates maximum lowering speed.
4. Lift cylinders have hard chrome plated rams for smooth operation and increased life and are equipped with long-life polyurethane packings. WTF and WTT models are equipped with a three cylinder cluster to provide full-free lift.
5. Movable oil reservoir permits easy accessibility to hydraulic system.
6. Overload valve set to prevent lift when system reaches maximum pressure or when load exceeds rated capacity.

Electrical System

1. 24-volt electrical system
2. Series wound high torque .85 hp drive motor
3. Series wound high torque 5 hp lift motor
4. Heavy-duty pump contactor with replaceable tips
5. Four heavy-duty travel speed contactors. A solid-state time relay provides controlled acceleration between 2nd and 3rd speed.
6. Fused control and power circuits
7. Color-coded wiring for ease of service

Drive Unit

Gear drive from the motor to the drive wheel axle. The gear train is mounted on ball and tapered roller bearings and operates in an oil-filled, sealed housing.

Brake

Internal expanding mechanical brake with 5" drum and bonded brake linings. Brake is applied when control handle is within 15° of full-vertical or full-horizontal position.

Serviceability

Hinged access doors permit easy entry to all electric and hydraulic components. Chassis is equipped with rollers for easy battery installation and removal.

Mast

Outer and inner masts are constructed of hot-rolled steel I-beams. Telescoping mast section nests in main upright to provide good visibility for the operator.

Alloy steel rollers are contoured to fit mast and equipped with sealed ball bearings.

Safety Shield

Clear, high impact acrylic to help protect operator from chains and cylinder.

Control Handle

Control handle has dual twist-grips which control three speeds forward and reverse. Twist-grips return to neutral when released. The handle contains a large safety button which reverses the direction of the truck should the button touch the operator. A large horn button is standard equipment, as is a third speed cutoff switch.

Steering

Steering arm is mounted on the drive unit, which is mounted on thrust and radial bearings for easy turning through 180°.

Safety Switches

1. Third speed switch in control handle may be used to shut off high speed when operating in congested areas.
2. Third speed cutoff switch on telescopic models automatically shuts off high speed when forks extend above free lift on WTF and WTT models, and above 68" on WTL models.
3. Reversing button on control handle reverses direction of travel when actuated by the operator.

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.



Crown Equipment Corporation
New Bremen, Ohio 45869 USA
Tel 419-629-2311
Fax 419-629-3796
crown.com

Because Crown is continually improving its products, specifications are subject to change without notice.

Crown and the Momentum symbol are trademarks of Crown Equipment Corporation.

Copyright 2002-2004 Crown Equipment Corporation
SF14105 Rev. 5/04
Printed in U.S.A.