

**CROWN**

**Specifications**

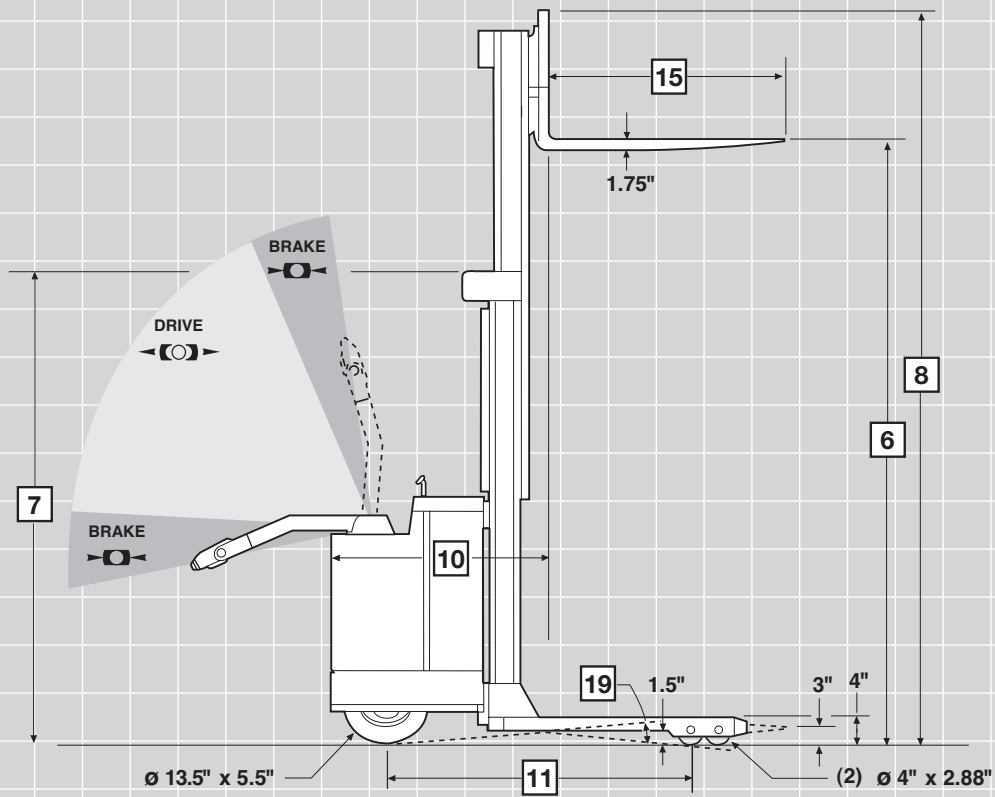
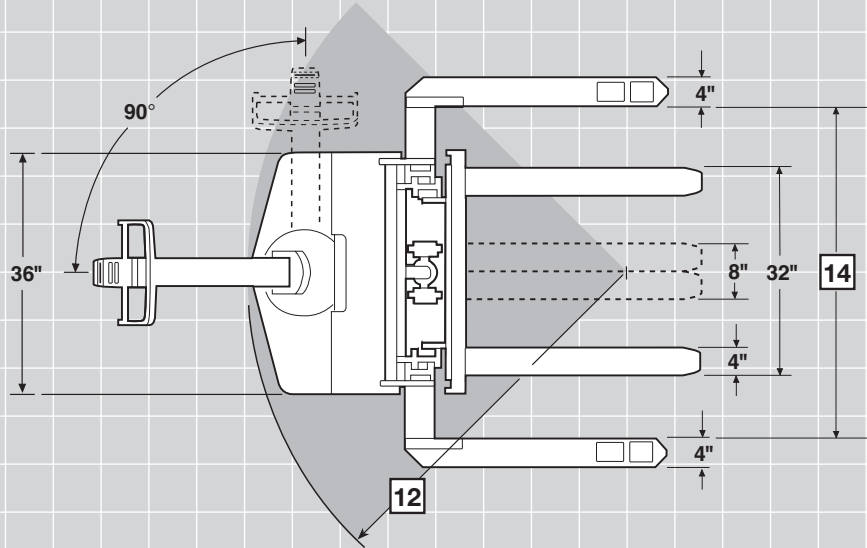
**W Series**

Heavy-Duty  
Walkie Stacker

W

Series





# W Series

# Specifications

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			

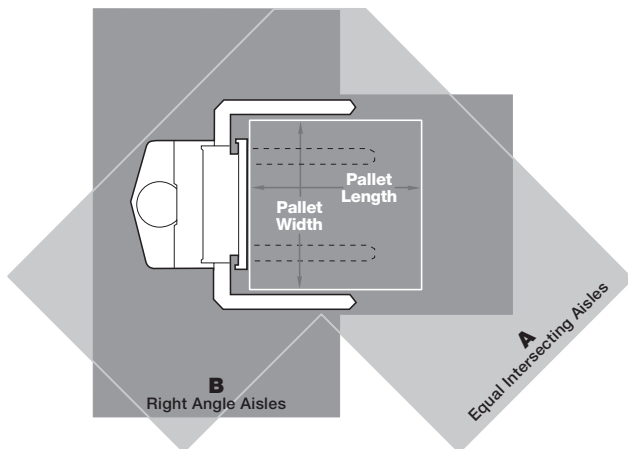
\* Minimum inside straddle dimension on units with 152" and 154" lifting height is 38".

\*\* 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.*

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