

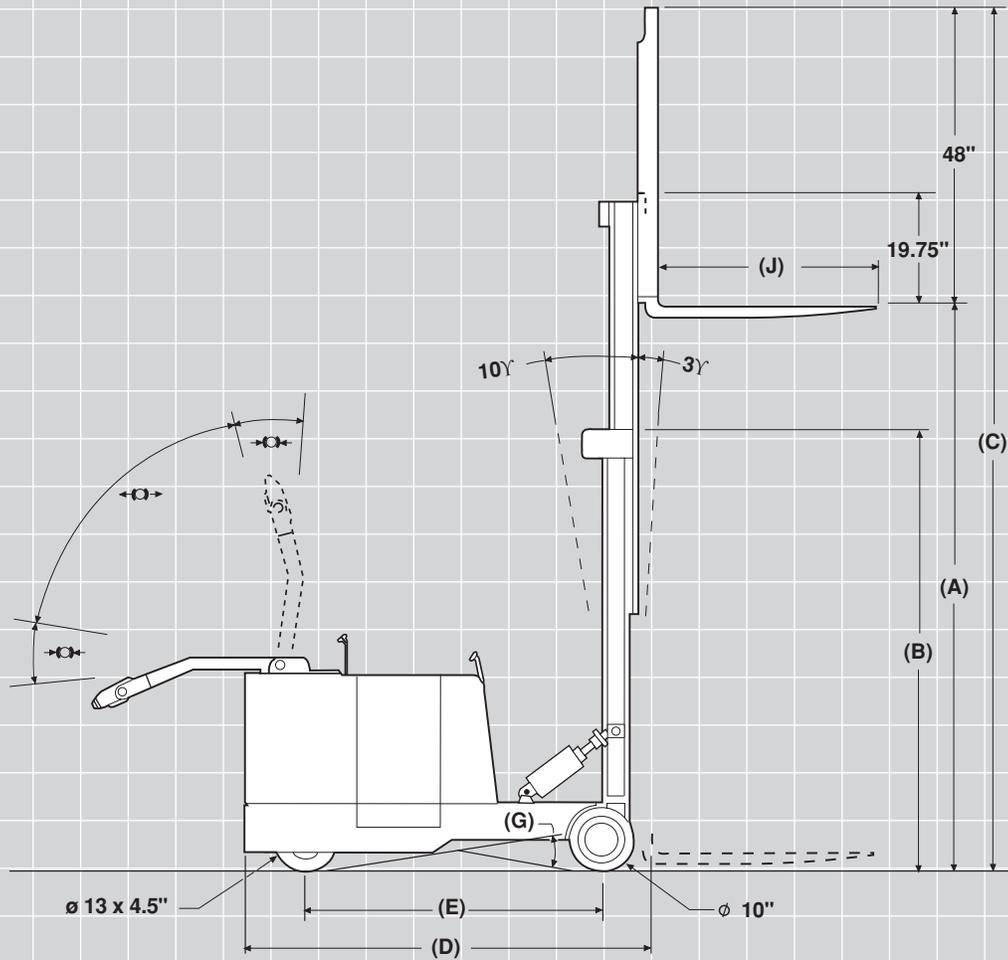
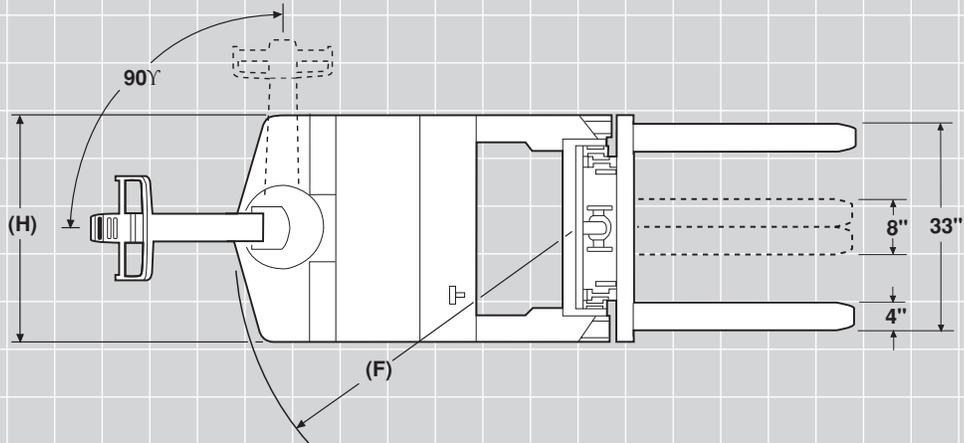
**CROWN**

# WB SERIES

## Specifications

Counterbalanced  
Walkie





**WB Series**

**Specifications**

Model 20 WB*			20WBTL Limited Free Lift				20WBTF Full Free Lift			
A	<b>Lifting Height</b>	in	106	130	154	178	106	130	154	178
	<b>Capacity at 24" Load Center</b>	lb	2000	2000	2000	1750	2000	2000	2000	1750
	<b>Free Lift</b>	in	12	12	12	12	23	35	47	59
B	<b>Collapsed Height</b>	in	71	83	95	107	71	83	95	107
C	<b>Extended Height**</b>	in	154.5	178.5	202.5	226.5	154.5	178.5	202.5	226.5
	<b>Net Weight Less Battery</b>	lb	3368	3447	3526	3605	3382	3455	3528	3601
D	<b>Head Length</b>	in	65							
E	<b>Wheelbase</b>	in	47.5							
F	<b>Turning Radius</b>	in	56.6							
G	<b>Grade Clearance</b>	%	27							
H	<b>Overall Width</b>	in	36							
J	<b>Fork Length</b>	in	30, 36, 42 & 48							
	<b>Maximum Battery Size</b>	in	13.12 x 31.75 x 23.25 High							
	<b>Minimum Battery Weight</b>	lb	975							
	<b>Right Angle Stacking Aisle Width</b>		Head Length (D) + Load Length + 8" Clearance							

Model 30 WB*			30WBTL Limited Free Lift				30WBTF Full Free Lift				30WBTT 3 Stage Mast
A	<b>Lifting Height</b>	in	106	130	154	178	106	130	154	178	152
	<b>Capacity at 24" Load Center</b>	lb	3000	3000	3000	2700	3000	3000	3000	2700	3000
	<b>Free Lift</b>	in	12	12	12	12	23	35	47	59	23
B	<b>Collapsed Height</b>	in	71	83	95	107	71	83	95	107	71
C	<b>Extended Height**</b>	in	154.5	178.5	202.5	226.5	154.5	178.5	202.5	226.5	200.5
	<b>Net Weight Less Battery</b>	lb	4271	4384	4497	4610	4291	4402	4513	4624	4787
D	<b>Head Length</b>	in	70								
E	<b>Wheelbase</b>	in	52.5								
F	<b>Turning Radius</b>	in	61.6								
G	<b>Grade Clearance</b>	%	26								
H	<b>Overall Width</b>	in	37								
J	<b>Fork Length</b>	in	30, 36, 42 & 48								
	<b>Maximum Battery Size</b>	in	13.12 x 31.75 x 23.25 High								
	<b>Minimum Battery Weight</b>	lb	975								
	<b>Right Angle Stacking Aisle Width</b>		Head Length (D) + Load Length + 8" Clearance								

Model 40 WB*			40WBTL Limited Free Lift				40WBTF Full Free Lift				40WBTT 3 Stage Mast
A	<b>Lifting Height</b>	in	106	130	154	178	106	130	154	178	152
	<b>Capacity at 24" Load Center</b>	lb	4000	4000	4000	3650	4000	4000	4000	3650	4000
	<b>Free Lift</b>	in	11.25	11.25	11.25	11.25	22.5	34.5	46.5	58.5	22.5
B	<b>Collapsed Height</b>	in	71	83	95	107	71	83	95	107	71
C	<b>Extended Height**</b>	in	155.5	179.5	203.5	227.5	155.5	179.5	203.5	227.5	201.5
	<b>Net Weight Less Battery</b>	lb	4596	4709	4822	4935	4701	4824	4947	5070	5121
D	<b>Head Length</b>	in	77.5								
E	<b>Wheelbase</b>	in	59.5								
F	<b>Turning Radius</b>	in	68.6								
G	<b>Grade Clearance</b>	%	26								
H	<b>Overall Width</b>	in	39								
J	<b>Fork Length</b>	in	30, 36, 42 & 48								
	<b>Maximum Battery Size</b>	in	13.12 x 31.75 x 23.25 High								
	<b>Minimum Battery Weight</b>	lb	975								
	<b>Right Angle Stacking Aisle Width</b>		Head Length (D) + Load Length + 8" Clearance								

\* Optional masts, attachments, longer load dimensions, and higher lifting heights may result in derating of the capacity. Contact local dealer.

\*\*Includes 48" high load backrest.

**Batteries**

Up to 600 amp hour capacity available. 24-volt electrical system. The 20WB, 30WB, and 40WB must have a battery weighing 975 lbs or more.

**Travel Speeds**

In third speed: Loaded, 2.5 mph; Empty, 3.0 mph. These speeds are average for all Walkie Counterbalanced trucks. For safety, third speed is automatically shut off when forks reach 68" on WBTL models, or when forks extend above free lift on WBTF and WBTT models.

**Lifting/Lowering Speeds (fpm)**

Empty (E), Loaded (L)

Models	Lifting Speed		Lowering Speed	
	E	L	E	L
20WBTF	64	27	30	26
20WBTL	64	38	50	42
30WBTF	55	26	50	27
30WBTL	56	34	50	40
30WBTT	46	30	23	36
40WBTF	44	24	20	23
40WBTL	44	25	20	25
40WBTT	44	23	20	26

**Wheels and Tires**

Polyurethane Drive Tire - 13" dia x 4.5" wide x 8" dia hub.

Rubber Drive Tire - 13.5" dia x 5.5" wide x 8" dia hub.

Load Wheels - 10" dia x 4" wide x 6.5" dia hub. 40WB load wheels are 5" wide. Polyurethane load wheels on 30WB and 40WB, rubber power saver compound standard on 20WB models.

**Forks**

Fork carriage standard ITA Class II hook-type mounting. Fork lengths - 30", 36", 42" and 48". Fork spread - adjustable 33" maximum, 8" minimum.

**Hydraulic System**

Standard equipment includes:

1. Heavy-duty motor and gear pump assembled as an integral unit
2. Spool-type hydraulic control valve with built-in check and relief valve for efficient overload protection of lift and tilt circuits
3. Pressure compensating flow control valve at base of lift cylinder regulates maximum lowering speed.
4. Lift cylinder diameters vary, and are designed to maintain optimum hydraulic pressure depending on capacity of truck. All WBTF and WBTT models are equipped with a three cylinder cluster to provide full-free lift.

5. A conveniently located raise/lower lever is standard equipment. This throttle permits infinite control. Push button raise/lower controls can be installed in control handle as optional equipment.
6. Fixed flow control at side of tilt cylinder regulates maximum tilt speed.
7. Two double-acting piston-type tilt cylinders
8. A conveniently located lever for forward or backward tilt activation is standard. This throttle permits infinite control of tilt functions.

**Electrical System**

Standard equipment includes:

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
8. Key switch
9. Power disconnect lever

**Drive Unit**

Gear drive from motor to 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.

**Power Unit Structure**

Access panel permits easy entry to all electric and hydraulic components.

**Lift Structure**

Outer and inner masts constructed of hot rolled carbon steel I-beam. Telescoping mast section nests in main upright to provide better visibility for operator.

**Carriage Rollers**

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

**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.

**Safety Switches**

1. Third speed switch in control handle may be used to shut off high speed when operating in congested areas.
2. Limit switch automatically reduces maximum travel speed immediately upon extension of second and third stages on WBTF and WBTT models, and when forks extend above 68" on WBTL models.
3. Reversing button on control handle reverses direction of travel when actuated by the operator.

**Optional Equipment and Modifications**

1. Transistor speed control
2. Raise and lower control on retractable cord
3. Hour meter
4. Higher lifting heights
5. Additional counterweight, when smaller batteries are used
6. One- or two-spool auxiliary valves for controlling various hydraulic attachments.
7. Special attachment-sideshifter, drum handling equipment, paper roll clamp. For other special attachments, consult local dealer.
8. Discharge indicator

**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.



You can count on Crown to build lift trucks designed for safe operation, but that's only part of the safety equation. Crown encourages safe operating practices through ongoing operator training, safety-focused supervision, maintenance and a safe working environment. Go to [crown.com](http://crown.com) and view our safety section to learn more.

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