

CROWN

Specifications

WAV 50 Series

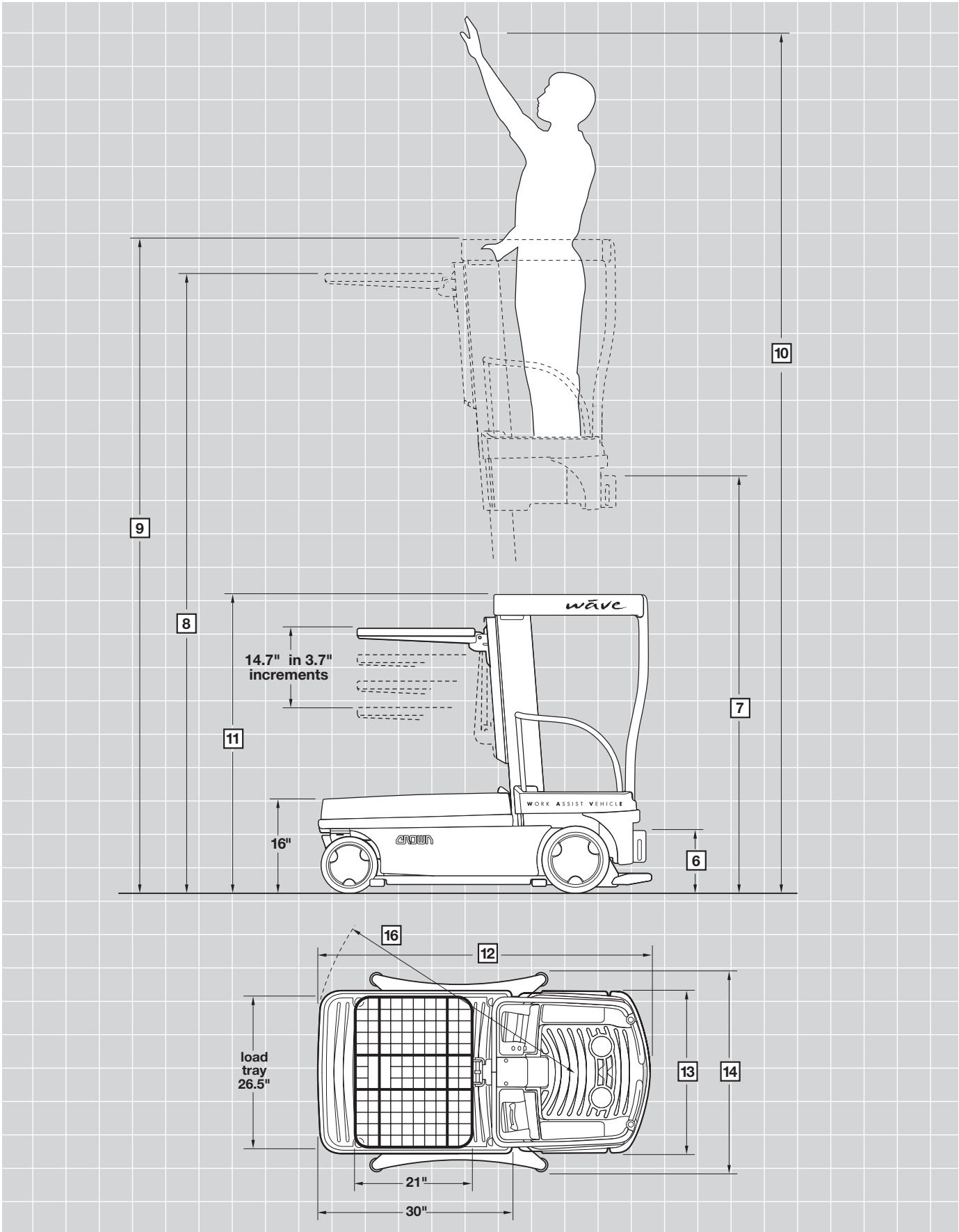
Work Assist
Vehicle

WAV 50

Series



wave[®]
WORK ASSIST VEHICLE[®]



General Information	1	Manufacturer		Crown Equipment Corporation	
	2	Model		WAV 50-84	WAV 50-118
4	Power			24 volts	
	Vehicle Capacities	Operator Compartment	lb	300	
		Load Tray	lb	200	
Load Deck		lb	250		
5	Vehicle Weight	With Battery	lb	1100	1225
6	Platform Step Height		in	11	12
7	Platform Lift Height		in	84	118
8	Load Tray Height* (With tray at highest position)	Platform fully lowered	in	45	52.25
		Platform fully raised	in	118	158.25
9	Overall Extended Height		in	125	160.5
10	Work Height		in	161	195
11	Overall Collapsed Height		in	52	54.5
12	Vehicle Length		in	60	
13	Vehicle Width		in	29.5	
14	Vehicle Width	With Rail Guide Rollers	in	35	
		Rail Guide Wheel Height (Top)	in	2.5	
		Rail Guide Wheel Diameter	in	2.5	
		Rail Guide Wheel Thickness	in	1	
15	Drive Wheels (d x w)	Poly	in	Two 12 x 2.5	
	Caster Wheels (d x w)	Poly	in	Two 10 x 2.5	
16	Minimum Turning Radius		in	47.5	
17	Lift Speeds		fpm	60	
18	Lower Speeds		fpm	50	
19	Service Brakes			Regenerative	
20	Parking Brake			Electric Released/Spring Applied	
21	Grade Clearance		%	15%	
22	Travel Speeds			See Chart Below	
Battery	Batteries	Wet	Ah	160	
		Wet	Ah	205	
		Maintenance free	Ah	195	
24	Charger	Standard	Amp	25	

*Load tray is 2.25" below top of restraint rail on 118" Wave and 7" below on 84" Wave.

Top Travel Speeds (mph)

Platform Ht Gate Condition -84 -118

Forward

Below 20"	Open	4.0	4.0
Below 20"	Closed	2.5	2.5
20" to 84"	Open	0	0
20" to 84"	Closed	2.0	2.0
Above 84"	Open	n/a	0
Above 84"	Closed	n/a	1.0

Reverse

Below 20"	Open or Closed	2.0	2.0
20" to 84"	Open	0	0
20" to 84"	Closed	2.0	2.0
Above 84"	Open	n/a	0
Above 84"	Closed	n/a	1.0

Note: Turtle speeds are approximately 60% of listed top speeds for each condition.

Intelligent Control

A system controller manages vehicle travel, steering, braking, lift/lower and the display. The vehicle operates quietly and efficiently, extending battery charge. Vehicle performance is infinitely variable for excellent control and maneuverability.

Steering

The Wave® vehicle has a zero turn radius. A unique steer control interfaces with the operator. The system controller and dual drive units provide exceptional vehicle turning ability.

Braking

Regenerative braking is automatic when throttle speed is reduced or when the operator removes a hand or foot from the controls. A parking brake is automatically set one-half second after travel movement stops.

Serviceability

Modular design for servicing keeps the vehicle cost effective. Component access is simple. Charger operation is intuitive, with the built-in automatic start/stop. Maintenance-free batteries can be specified to eliminate battery watering. An optional handset can be purchased to customize vehicle performance and troubleshoot. Standard LEDs report over 40 fault codes.

Standard Equipment

1. Designed to UL 583 type "E"
2. 24-volt system
3. Transistor system controller
4. 160 amp hour wet-cell batteries
5. 25 amp auto start/stop charger
6. 84" and 118" platform heights
7. On/off keyswitch
8. Horn
9. Platform storage compartments
10. Display panel
11. LED battery discharge indicator with low battery lift interrupt
12. LED wrench light
13. LED sequence fault indicator
14. Travel speed switch, (rabbit/turtle switch)
15. Hand/foot travel position light
16. Hand presence override switch and indicator
17. Power disconnect button
18. Regenerative service brake
19. Electromagnetic park brakes
20. Gate position interlocks

21. Raise and lower control on platform and on the service panel, (floor level)
22. Manual hydraulic lowering valve, (floor level)
23. Programmable security sequence power up
24. Auto power shutdown, (0 - 60 minute range)
25. Black wheels

Optional Equipment

1. 195 amp hour batteries, (maintenance free)
2. 205 amp hour wet batteries
3. Retractable charger cord reel
4. Handset service terminal
5. Vehicle hour meter, (floor pedal on time)
6. Mast storage pockets
7. Rail guide rollers
8. Programmable security keypad (up to 200 PINS)
9. Utility hooks

Operator Interface

The Wave Work Assist Vehicle® has a comfortable work station for the operator. The floorboard is suspended to absorb shock and vibration, reducing fatigue. Foot and hand interlocks position the operator for good control and safety. Gate interlocks determine open or closed gate conditions and adjust vehicle performance. Vehicle travel speed is reduced

as the operator platform elevates. Maximum travel speeds can be reduced to meet the application requirements.

An auto power shutdown can be programmed from 0 - 60 minutes to assist in preventive or unauthorized use.

Other Options

1. Program selective forward, reverse, lift and lower alarms
 2. Front and rear 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.

Other Options Available

Contact your local Crown dealer.

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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