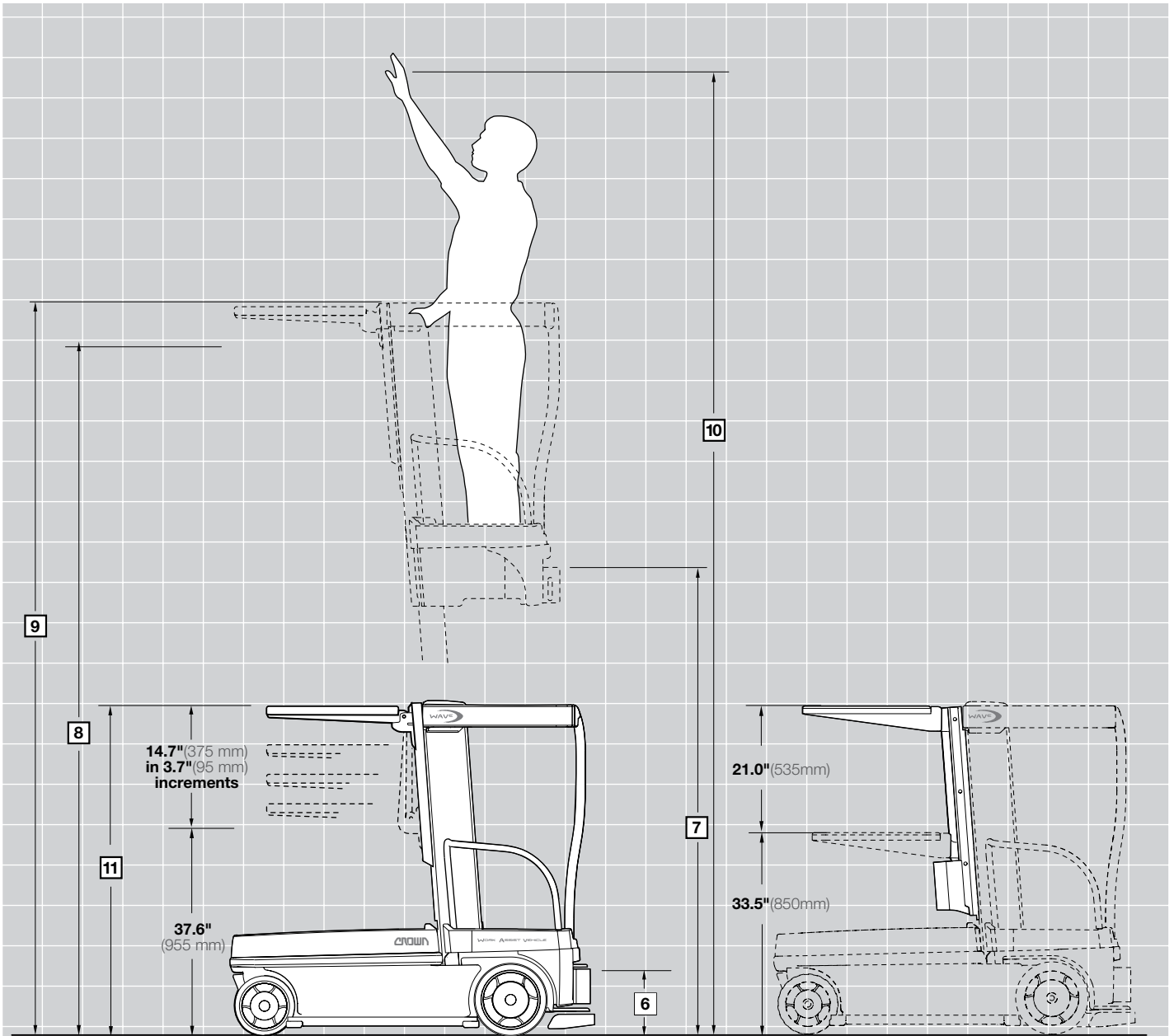


CROWN

WAV 60 SERIES

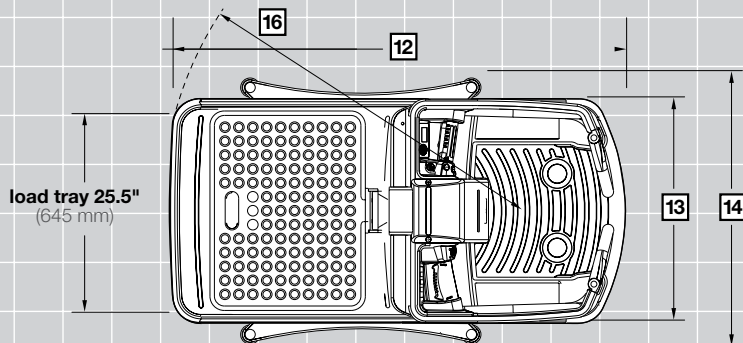
Specifications
Work Assist Vehicle®





Standard Load Tray Shown

Optional Power Load Tray Shown



WAV 60 Series

Specifications

| | | | | Imperial | Metric | |
|----------------------------|-----------------------------|--------------------------|-------------------------------|----------------------------------|-------------------|-------|
| General Information | 1 | Manufacturer | Crown Equipment Corporation | | | |
| | 2 | Model | WAV 60-118 | | | |
| | 3 | Power | 24 volts | | | |
| | 4 | Vehicle Capacities | Operator Compartment | lb kg | 300 | 135 |
| | | | Load Tray | lb kg | 200 | 90 |
| | | | Load Deck | lb kg | 250 | 115 |
| 5 | Vehicle Weight | With Battery | lb kg | 1420 | 645 | |
| 6 | Platform Step Height | | in mm | 12 | 305 | |
| Dimensions | 7 | Platform Lift Height | | in mm | 118 | 2995 |
| | 8 | Standard Load Tray* | Platform fully lowered | in mm | 52.25 | 1325 |
| | | | Platform fully raised | in mm | 158.25 | 4020 |
| | | Power Load Tray | Lift Speed (no load) | in sec m sec | 5.4 | 0.135 |
| | | | Lift Speed (200lb/ 90.71kg) | in sec m sec | 5 | 0.130 |
| | | | Platform fully lowered | in mm | 54.0 | 1375 |
| | | | Platform fully raised | in mm | 160.0 | 4065 |
| | 9 | Overall Extended Height | | in mm | 160.5 | 4075 |
| | 10 | Work Height | | in mm | 195 | 5000 |
| | 11 | Overall Collapsed Height | | in mm | 54.5 | 1385 |
| | 12 | Vehicle Length | | in mm | 60 | 1525 |
| | 13 | Vehicle Width | | in mm | 29.5 | 750 |
| | 14 | Vehicle Width | With Rail Guide Rollers | in mm | 35 | 890 |
| | | | Rail Guide Wheel Height (Top) | in mm | 2.5 | 65 |
| | | | Rail Guide Wheel Diameter | in mm | 2.5 | 65 |
| Rail Guide Wheel Thickness | | | in mm | 1 | 25 | |
| 15 | Rear Drive Wheels (d x w) | Poly | in mm | (2) 12 x 2.5 | (2) 305 x 65 wide | |
| | Front Caster Wheels (d x w) | Poly | in mm | (2) 10 x 2.5 | (2) 255 x 65 wide | |
| Performance | 16 | Minimum Turning Radius | | in mm | 47.5 | 1205 |
| | 17 | Lift Speeds | | fpm m/s | 60 | 0.30 |
| | 18 | Lower Speeds | | fpm m/s | 45 | 0.25 |
| | 19 | Service Brakes | | Regenerative | | |
| | 20 | Parking Brake | | Electric Released/Spring Applied | | |
| | 21 | Grade Clearance | | % | 15% | |
| | 22 | Travel Speeds | | See Chart Below | | |
| Battery | 23 | Batteries | Wet | Ah | 180 | |
| | | | Wet | Ah | 219 | |
| | | | Maintenance free | Ah | 200 | |
| | 24 | Charger | Standard | Amp | 30 | |

*Load tray is 2.25"(57mm) below top of restraint rail on WAV 60-118

Top Travel Speeds mph (km/h)

| Forward | | WAV60-118 | |
|----------------------|----------------|-----------|------|
| Platform Ht | Gate Condition | mph | km/h |
| Below 20" (510 mm) | Open | 5.0 | 8.0 |
| Below 20" (510 mm) | Closed | 3.0 | 4.8 |
| 20" to 84" (2135 mm) | Open | 0 | 0 |
| 20" to 84" (2135 mm) | Closed | 2.0 | 3.2 |
| Above 84" (2135 mm) | Open | 0 | 0 |
| Above 84" (2135 mm) | Closed | 1.0 | 1.6 |

Top Travel Speeds mph (km/h)

| Reverse | | WAV60-118 | |
|----------------------|----------------|-----------|------|
| Platform Ht | Gate Condition | mph | km/h |
| Below 20" (510 mm) | Open or Closed | 2.0 | 3.2 |
| 20" to 84" (2135 mm) | Open | 0 | 0 |
| 20" to 84" (2135 mm) | Closed | 2.0 | 3.2 |
| Above 84" (2135 mm) | Open | 0 | 0 |
| Above 84" (2135 mm) | Closed | 1.0 | 1.6 |

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 inside 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 has stopped.

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. Crown's Access 1 2 3® technology provides optimum performance and control by offering a communication interface for both operators and technicians, intelligent coordination of lift truck systems and simplified service with advanced diagnostics.

The Crown display is used for easy troubleshooting, accessing event history and to set performance features.

Three modes of performance can be selected to accommodate operator experience or application requirements.

Durability

Cast steer and load wheels for improved durability. Steel Front and Rear bumpers offer defense to the truck if an impact would happen. Steel service and side panels. Service Panel Switch to prevent travel when panel is open.

Standard Equipment

1. Crown's Access 1 2 3® Comprehensive System Control
2. Designed to UL 583 type "E"
3. Multiple Hour Meters
 - Travel Hours
 - Raise Hours
 - Idle Hours
 - Configurable Planned Maintenance Timer
4. 24 volt system
5. Transistor system controller
6. 180 amp hour wet-cell batteries
7. Work Assist® Storage Tray
8. 30 amp auto start/stop charger (85-265vac)
9. 118"(2995mm) Platform Height
10. On/off keyswitch
11. Horn
12. Operator storage compartments
13. Alphanumeric display and related icons are used to prompt operator through Crown's safety features. For example... grab controls, depress pedals, close gates, etc.
14. Battery Charging Display on service panel indicating:
 - Abnormal Charge
 - Charging
 - Charge Complete
15. Travel speed switch, (rabbit/turtle switch)
16. Power disconnect button located on platform and service panel.
17. Regenerative service brake
18. Electromagnetic park brakes
19. Gate position interlocks
20. Gate Alarms
21. Raise and lower control on platform and on the service panel, (floor level)
22. Programmable security power up
23. Auto power shutdown, (0 - 90 minute range)
24. Black wheels
25. AC Drive Motors
26. AC Controls
27. InfoPoint® System
28. Front and Side Steel Bumpers

Optional Equipment

1. 200 amp hour batteries, (maintenance free)
2. 219 amp hour wet batteries
3. Retractable cord reel
4. Mast storage pockets
5. Mast Storage Bins
6. Rail guide rollers
7. Utility hooks 25 lb (12 kg) capacity per hook
8. Storage Tray work lights
9. Clip Pad
10. Accessory Mount
11. Front and Side Steel Bumpers with Rubber Over Mold
12. Power Load Tray
13. Positive/Negative Accessory Cable
14. Travel Alarms
15. Keyless on/off toggle
16. Strobe lights
17. InfoLink® Standard and Advantage Plans

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 - 90 minutes to assist in preventing 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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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 and view our safety section to learn more.

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

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