

**CROWN**

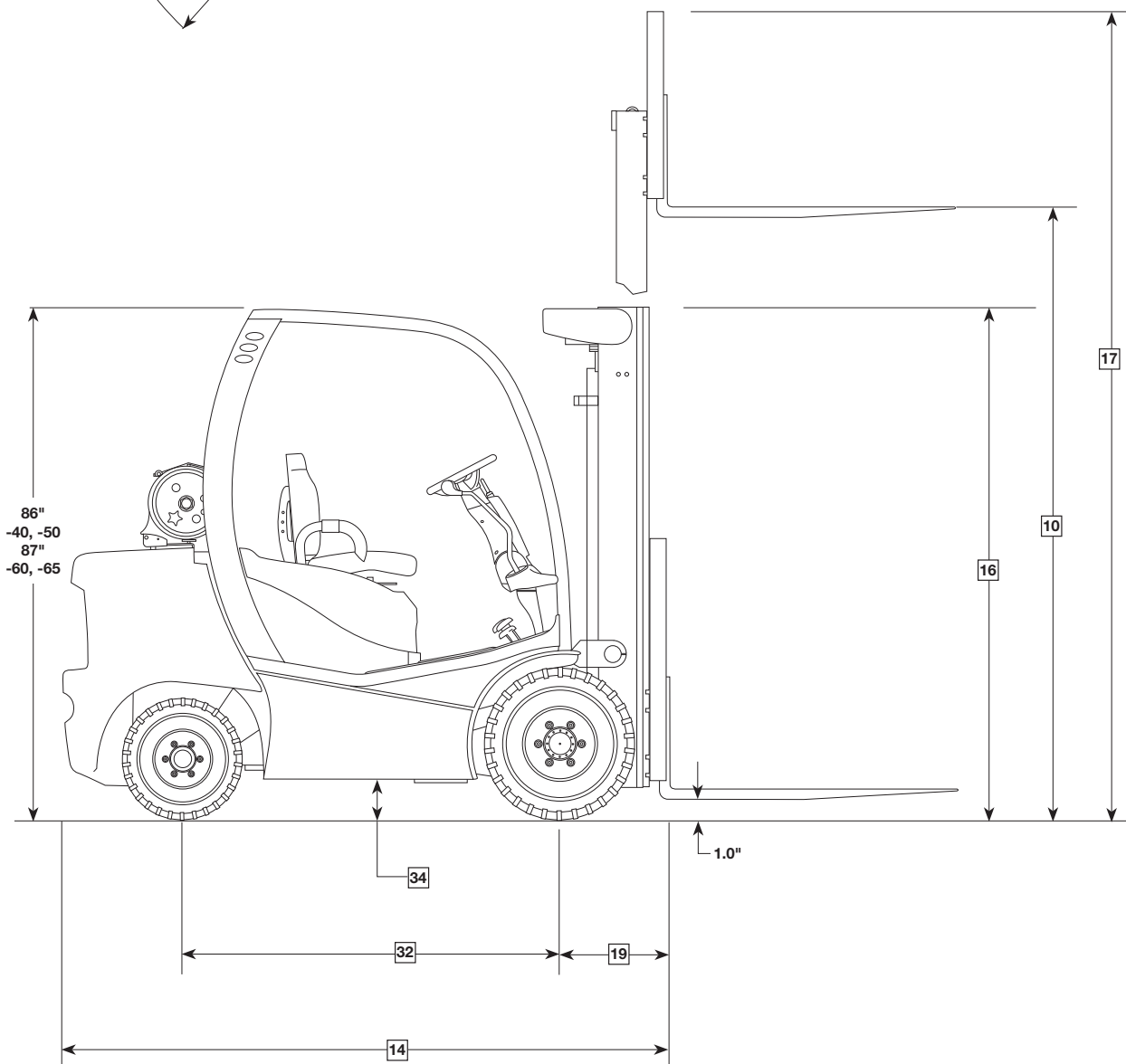
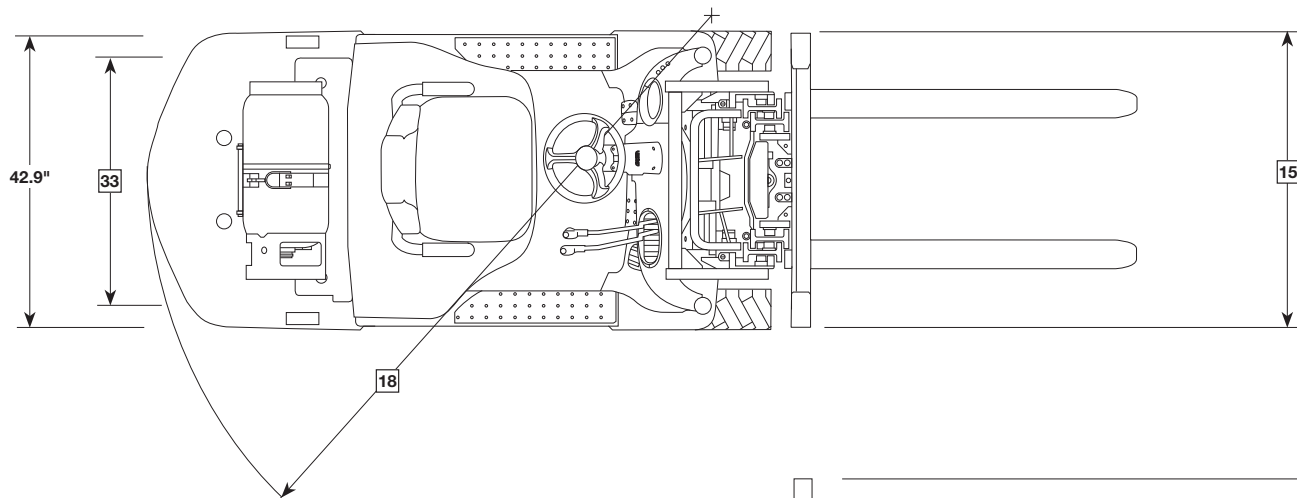


S E R I E S



**CLASS V | PNEUMATIC**

S P E C I F I C A T I O N S



		<b>Crown Equipment Corporation</b>					
<b>General Information</b>	1 <b>Manufacturer</b>						
	2 <b>Model</b>			C5 1050-40	C5 1050-50	C5 1050-60	C5 1050-65
	3 <b>Load Capacity</b>		lb	4000	5000	6000	6500
	4 <b>Load Center</b>	Fork Face to Load CG	in	24	24	24	24
	5 <b>Power (Fuel) Type</b>	Gas, LPG, Diesel		LPG	LPG	LPG	LPG
	6 <b>Operator Type</b>			Sit-down Rider Counterbalance	Sit-down Rider Counterbalance	Sit-down Rider Counterbalance	Sit-down Rider Counterbalance
	7 <b>Tire Type</b>			Resilient	Resilient	Resilient	Resilient
	8 <b>Wheels (x = driven)</b>	Number Front/Rear		2x / 2	2x / 2	2x / 2	2x / 2
	9 <b>Steering Type</b>			Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic
	10 <b>Mast (see table)</b>	Lifting Height (MFH)	in	188	188	180	171
	Free Lift Height	in	32.2	32.2	32.2	32.2	
<b>Dimensions</b>	11 <b>Fork Carriage</b>			ITA Class II	ITA Class II	ITA Class III	ITA Class III
	12 <b>Forks</b>	Standard L x W x T	in	42 x 4 x 1.8	42 x 4 x 1.8	42 x 5 x 1.8	42 x 5 x 1.8
		Optional Lengths	in	45, 48, 54, 60	45, 48, 54, 60	45, 48, 54, 60	45, 48, 54, 60
	13 <b>Tilt</b>	F° / B°	degree	5 / 5	5 / 5	5 / 5	5 / 5
		Interlock Fork Height	in	95	95	95	95
	14 <b>Head Length</b>	Length to Fork Face	in	101.8	102.2	106.3	107.1
	15 <b>Width Overall</b>	Standard Tread	in	46.9	46.9	50.9	50.9
		Wide Track	in	53.9	53.9	57.9	57.9
		Dual Drive	in	62.2	62.2	69.5	69.5
	16 <b>Height with LBR</b>	Mast Collapsed	in	86	86	86	86
17 <b>Height with LBR (see table)</b>	Mast Extended	in	236	236	228	219	
18 <b>Turning Radius</b>	Outside	in	87.5	87.9	92.7	93.8	
19 <b>Load Distance</b>	Center of Wheel to Fork Face	in	17.9	17.9	18.2	18.2	
20 <b>Aisle Width (Add Load + Clear)</b>	Right Angle Stack	in	105.4	105.8	110.9	112.0	
<b>Performance</b>	21 <b>Speed Travel - Forward</b>	Empty / Loaded	mph	12.2 / 12.2	12.2 / 12.2	12.2 / 12.2	12.2 / 12.2
	22 <b>Speed Travel - Reverse</b>	Empty / Loaded	mph	12.2 / 12.2	12.2 / 12.2	12.2 / 12.2	12.2 / 12.2
	23 <b>Speed Lift</b>	Empty / Loaded	fpm	130 / 128	130 / 128	130 / 128	130 / 128
	24 <b>Speed Lower</b>	Empty / Loaded	fpm	91 / 93	91 / 93	91 / 93	91 / 93
<b>Weights</b>	25 <b>Drawbar Pull - Maximum</b>	Empty / Loaded	lb	3425	3425	3425	3425
	26 <b>Gradeability - Maximum</b>	Empty / Loaded	%	21.5 / 28.5	18.7 / 23.1	16.7 / 18.7	15.9 / 16.6
	27 <b>Gross Vehicle Weight</b>		lb	8616	9440	10,470	10,889
<b>Chassis</b>	28 <b>Axle Load Front</b>	Empty / Loaded	lb	4729 / 9843	4600 / 12,980	4920 / 14,775	4833 / 14,264
	29 <b>Axle Load Rear</b>	Empty / Loaded	lb	3887 / 2773	4840 / 1460	5550 / 1695	6056 / 3125
	30 <b>Tires</b>	Size Front	in	7.00-12	7.00-12	28x9-15	28x9-15
	31	Size Rear	in	6.00-9	6.00-9	6.50-10	6.50-10
	32 <b>Wheelbase</b>		in	64	64	66.9	66.9
	33 <b>Tread / Track Width</b>	Front Standard / Rear	in	40 / 37.5	40 / 37.5	42.2 / 37.7	42.2 / 37.7
		Front Optional wide tire / Rear	in	47 / 37.5	47 / 37.5	49.2 / 37.7	49.2 / 37.7
		Front Optional dual drive tire / Rear	in	55.4 / 37.5	55.4 / 37.5	60.7 / 37.7	60.7 / 37.7
	34 <b>Ground Clearance</b>	Center of Wheelbase	in	6.38	6.28	7.06	7.04
		Under Mast	in	5.4	5.3	6.0	6.0
35 <b>Brakes</b>	Service		Foot / Hydraulic	Foot / Hydraulic	Foot / Hydraulic	Foot / Hydraulic	
	Parking		Hand / Hydraulic	Hand / Hydraulic	Hand / Hydraulic	Hand / Hydraulic	
<b>Powertrain</b>	36 <b>Battery Volts</b>		V (amps)	12	12	12	12
	37 <b>Engine</b>	Manufacturer / Model		John Deere / 4024	John Deere / 4024	John Deere / 4024	John Deere / 4024
	38	No. of Cylinders / Displacement / Liters		4 Cyl / 2.4L	4 Cyl / 2.4L	4 Cyl / 2.4L	4 Cyl / 2.4L
	39	Rated Output (SAE gross)	HP@rpm	59 HP@2800 rpm	59 HP@2800 rpm	59 HP@2800 rpm	59 HP@2800 rpm
	40	Maximum Torque (SAE)	ft.-lbf @ rpm	125 ft.- lbf @ 1400 rpm	125 ft.- lbf @ 1400 rpm	125 ft.- lbf @ 1400 rpm	125 ft.- lbf @ 1400 rpm
	41 <b>Transmission</b>	Type		Powershift	Powershift	Powershift	Powershift
	42	Number of Speeds Forward / Reverse		1 / 1	1 / 1	1 / 1	1 / 1
43 <b>Auxiliary Function Relief Pressure</b>		psi	2600	2600	3100	3100	

4000 lb capacity			TL				TT						QUAD				
9	Lift Height	in	81	126	138	150	188	206	216	231	246	258	276	240	258	276	294
11	Free Lift Height <sup>1</sup>	in	6	6	6	6	32.2	38.2	44.2	50.2	56.2	62.2	68.2	31.8	39.8	43.8	49.8
14	Interlocked Fork Height	in	none	78	78	78	95	95	95	95	95	96	102	76	82	88	94
17	Mast Collapsed Height	in	66.5	86	92	98	86	92	98	104	110	116	122	86	92	98	104
18	Mast Extended Height <sup>1</sup>	in	129	174	186	198	236	254	264	279	294	306	324	288	306	324	342

<sup>1</sup> Includes 48" load backrest

5000 lb capacity			TL				TT						QUAD				
9	Lift Height	in	81	126	138	150	188	206	216	231	246	258	276	240	258	276	294
11	Free Lift Height <sup>1</sup>	in	6	6	6	6	32.2	38.2	44.2	50.2	56.2	62.2	68.2	31.8	39.8	43.8	49.8
14	Interlocked Fork Height	in	none	78	78	78	95	95	95	95	95	96	102	76	82	88	94
17	Mast Collapsed Height	in	66.5	86	92	98	86	92	98	104	110	116	122	86	92	98	104
18	Mast Extended Height <sup>1</sup>	in	129	174	186	198	236	254	264	279	294	306	324	288	306	324	342

<sup>1</sup> Includes 48" load backrest

6000 lb capacity			TL				TT						QUAD <sup>2</sup>				
9	Lift Height	in	77	118	130	142	180	198	208	223	238	250	240	258	276	294	
11	Free Lift Height <sup>1</sup>	in	6	6	6	6	32.2	38.2	44.2	50.2	56.2	62.2	31.8	39.8	43.8	49.8	
14	Interlocked Fork Height	in	none	78	78	78	95	95	95	95	95	96	102	76	82	88	94
17	Mast Collapsed Height	in	66.5	86	92	98	86	92	98	104	110	116	122	86	92	98	104
18	Mast Extended Height <sup>1</sup>	in	125	166	178	190	228	246	256	271	286	298	288	306	324	342	

<sup>1</sup> Includes 48" load backrest

<sup>2</sup> Decreased capacity, 4500 lb mast on a 6000 lb chassis

6500 lb capacity			TL			TT					
9	Lift Height	in	115	126	139	171	189	199	214	229	241
11	Free Lift Height <sup>1</sup>	in	6	6	6	32.2	38.2	44.2	50.2	56.2	62.2
14	Interlocked Fork Height	in	78	78	78	95	95	95	95	95	96
17	Mast Collapsed Height	in	86	92	98	86	92	98	104	110	116
18	Mast Extended Height <sup>1</sup>	in	163	174	187	219	237	247	262	277	289

<sup>1</sup> Includes 48" load backrest

**Standard Features**

1. John Deere 2.4L LPG engine compliant to current EPA standards
2. Hydrodynamic transaxle with 16.17 ratio
3. Dual open core radiator
4. Crown's Access 1 2 3® Comprehensive Control System
5. Intrinsic Stability System™
  - Greater Mass and Low Center of Gravity
  - Tilt Interlock
  - Tilt Speed Control
  - Stalled Engine Braking and Steering
  - Hill Hold
  - Ramp Speed Control
6. Top speed limiter
7. Corrosion Resistant Chain with high performance chain lube
8. Fold down LP bottle bracket
9. Two pedal control with combination inching/brake
10. Operator compartment design features
  - Low cowl for fork and floor visibility
  - Wide placed overhead guard uprights reduce visual interference
  - Isomounted overhead guard reduces vibration
  - Crown FlexSeat™ with hip restraint and anti-cinch seat belt
  - Infinitely adjustable steering wheel column
  - Nylon covered control handles with tactile feedback
  - Natural position for forward/reverse selector
  - Rubber floor mat/rubber covered pedals
  - Mud Scraper and Step Plate
11. Operator entry/exit
  - Extra wide step
  - Large entry/exit window
  - Overhead guard post for easy hand hold
  - Contoured seat deck
  - Compact tilt steering wheel and column
  - Large uncluttered floorboard
12. 45" load backrest
13. 42" forks
14. 44" wide fork carriage with upper and lower thrust rollers
15. High visibility mast with in-line hose routing
16. Hour meter/event memory
17. No tool lift out floor boards
18. Three spool valve
19. O-ring face seal hydraulic fittings
20. Color coded wiring
21. 12V alternator
22. Solid Pneumatic Tires
23. Crown Power Brakes
24. Rigid mounted heavy duty steer axle with grease zerks
25. Single element air cleaner
26. Gel cell battery
27. Low LP fuel level indicator
28. Air filter restriction indicator
29. Tow pin
30. Horn
31. Radiator Grill

**Optional Equipment**

1. On-Demand Cooling
2. Wet cell battery
3. TL mast (2-stage)
4. Quad mast (4-stage)
5. Polished and full taper forks (36", 45", 48", 54" and 60")
6. Quick disconnect hydraulic connections
7. Attachment pressure regulator and gauge
8. Special tilt
9. Load backrest heights (48" and 60")
10. Accessory hydraulics and attachments
11. Work lights (Halogen or LED)
12. Strobe light
13. Back-up and brake lights
14. Turn Signals
15. Reverse travel alarm
16. Keyless on/off switch
17. Fixed LP bottle bracket
18. Rear Post Handle with Horn Button
19. Suspension seat – fabric or vinyl
20. Work Assist Accessories
  - Pad clip and hook
  - Accessory clamp
  - Terminal mounting
  - Fire extinguisher
  - Operator fan
  - Mirrors
  - Cup holder
  - Shrink wrap holder
  - Storage net or pocket behind seat
  - Pencil holder
21. Three pedal control with separate inching/brake
22. Radiator screen
23. Air intake pre-cleaner
24. Belly pan
25. Engine block heater
26. Positive/Negative accessory cable
27. Spinner knob
28. InfoLink®

**Drivability**

The C-5 Series benefits from design and engineering excellence. Numerous features improve operator comfort and productivity.

First, a wide entry step greets the operator and leads to the V-contoured engine cover that allows the operator to easily glide into the truck's seat. The curved posts of the overhead guard open up the entry/exit window and provide a comfortable grip location for a variety of operator heights. Further facilitating entry/exit is a spring-loaded, tilt steering column that easily moves up and away. The spacious floor board is uncluttered and includes a webbed floor mat that insulates the operator from vibration and heat. Additional operator comfort is achieved through reduced inching and brake pedal efforts along with a lower pedal height off the floor.

Crown's Intrinsic Stability System achieves improved operator confidence through a proactive approach to safety and stability. Integrated into the truck's components and control system, Crown's Intrinsic Stability System™ includes the following features:

- Greater Mass and Low Center of Gravity
- Tilt Interlock
- Tilt Speed Control
- Stalled Engine Braking and Steering
- Hill Hold
- Ramp Speed Control

Improved visibility can reduce product and pallet damage. The C-5 features excellent visibility everywhere you look: a low cowl for fork and carriage visibility, a high visibility mast, a compact steering column, a sculpted floor-board design, an overhead guard top plate and bar configuration and a low LP bottle height.

The control handles are crafted into the compartment and designed to provide tactile feedback for easy selection. Actuation forces are minimal and responsive. The parking brake with tone alert enhances operator entry/exit and naturally encourages its use. A large convex horn button is housed in the center of the steering wheel. Isolation systems for the engine and the operator cell virtually eliminate all vibrations to the operator. Hot air is directed away from the operator by a large counterweight opening with a wedge deflector.

**Powertrain**

Derived from a diesel engine, the C-5 Series features a John Deere in-line 4 cylinder 2.4L emissions compliant LPG engine. This heavy duty industrial engine includes a heat resistant cast iron block and head. The 8 quart oil capacity and standard engine oil cooler offer additional cooling for improved thermal capacity and extended component life. A gear-driven valve train and auxiliary pump eliminates belt or chain adjustments. Operator comfort is further increased through internal balancing of the engine.

The Carraro TA135 single speed power shift transmission offers an optimized gear construction for low noise and vibrations and increased efficiency. The robust design of the Carraro transmission includes forged gears and drive shaft, ductile iron axle, differential support housings and high temperature seals and o-rings, all contributing to increased life and durability.

**Cooling**

A standard Dual Open Core radiator offers separate cooling for the engine and transmission and is isolated from the truck, separating it from impact and improving radiator life. The open core feature offers large spacing between cooling fins for reduced clogging. Air flow is maximized by a ten-blade fan that increases radiator performance and efficiency. The full fan shroud surrounds the radiator core surface. Its two-piece design aids in serviceability and is sealed to prevent air flow from bypassing the radiator core. Air flow is further maximized by the custom venturi shroud design that directs air over the entire surface of the radiator.

Crown's optional On-Demand Cooling System delivers precise cooling and radiator clearing for economical savings and uptime in harsh environment applications. Precise cooling is achieved through an independent radiator fan that automatically adjusts its speed to manage engine and transmission temperatures. The independent fan also allows for optimal radiator clearing by reversing its direction at engine start.

### Crown Power Brake

The Crown Power Brake is a unique hydraulic powered, full circle brake with few parts and larger friction areas that contribute to longer brake life. This design reduces operator pedal effort, improves brake responsiveness and features direct and easy access to the friction pad, which reduces downtime for brake maintenance. The parking brake is an integral part of the service brake and is activated by a one-touch push button located on the cowl to the right of the steer wheel column. A tone alert reminder is standard.

### Hydraulics

The C-5 Series' premium hydraulic function control valve provides a precise metering of lift, tilt and accessory functions, without sacrificing operator comfort. Operator stress is reduced through minimal hydraulic lever actuation.

Crown's lift/tilt interlock system provides extended forward tilt at low fork heights and reduced forward tilt at elevated heights for improved truck stability. The interlock system also inhibits accidental hydraulic functions when the operator is out of the seat. The tilt compensator maintains proper tilt speed control under all load conditions.

The modular design of the control valves allows for easy addition of accessory functions. Maximum lowering speed is limited by a pressure compensating flow control valve and velocity fuses. Integrated hydraulic cylinder cushions soften mast staging. All lift cylinder rams are plated and when the forks are lowered, retract into the hydraulic oil for additional corrosion protection.

The steel oil reservoir is integral to the frame, aiding in the dissipation of hydraulic oil heat. This clean, leak-free design includes a suction strainer with separate, easily accessible fill port and dipstick with a dual filtered breather. Hydraulic oil is returned through an environmentally friendly cartridge filter, which is easily serviced.

A 2-stage filtration system on the breather/dipstick offers superior protection from contamination to the hydraulic oil and from oil misting, which could create a dirty residue on the inside of the engine compartment.

The steering and power brake systems are also hydraulic powered, assisting in the reduction of operator fatigue and improved productivity.

### Crown Manufactured Mast Assembly

The heavy-duty mast of the C-5 Series is engineered to provide smooth, reliable operation without compromising strength or quality. The large, rugged mast trunnions are mounted on the drive axle. Securing the mast are extra heavy tilt cylinders with self-aligning bushings. Crown's high visibility mast features a nested-rail design with lift cylinders positioned behind the rails. In-line hose routing also reduces visual interference. Large hydraulic hose pulleys and hose placement are engineered to reduce hose wear and increase hose life. Large lift chains are used for long reliable service life. Class II and III fork carriages are available. Optional TL or quad masts are also available.

### Steering

A fully hydrostatic steering system with equal area and double-acting cylinder provides an equally responsive steering rate both ways (4.8 turns lock to lock). The rugged axle frame, forged spindle and connecting links eliminate the need for adjustment. A two-piece spindle and kingpin with tapered roller bearings improves life and serviceability. Spherical bearings with straight pins in the connecting links eliminate any play in the linkage. All bearing locations are sealed to exclude contaminants and are equipped with lubrication fittings for ease of service.

### Electrical System

The C-5 Series comes with a standard gel cell battery. An optional 12 volt wet battery is also available.

Exclusive on-board information and diagnostics system includes fully integrated Access 1 2 3 Comprehensive Control System with CAN Bus communication. Features include:

- Engine Diagnostics
- Truck Level Diagnostics
- Component Analyzer
- Password Protection
- Speed Control Features
- Performance Modes

Crown display is fully integrated giving the operator and service technician real time information and messaging for event codes, fuel level, truck hours or real time speed. The alpha-numeric display serves as the communication nerve center with the following indicator lights:

- Alternator/Battery
- Malfunction
- Seat Belt
- Park Brake Status
- Low Oil Pressure
- High Transmission Temperature
- Engine Coolant Temperature
- Multi Stage Fuel Level Lights

All wire harnesses are wrapped with corrugated sleeving and are fully sealed with ultrasonically welded connections for improved reliability and durability. All electrical connectors are sealed to IP67.

### Other Options

Flashing lights

Safety considerations and dangers associated with audible alarms and flashing lights include:

- Multiple alarms and/or lights can cause confusion
- Workers ignore the alarms and/or lights after day-in day-out exposure
- Operator may transfer the responsibility for looking out for pedestrians
- Annoys operators and pedestrians

Additional options are available. Please contact your local Crown dealer for further information.

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 vehicle, how it is equipped and the conditions of the operating area. 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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Because Crown is continually improving its products, specifications are subject to change without notice.

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