

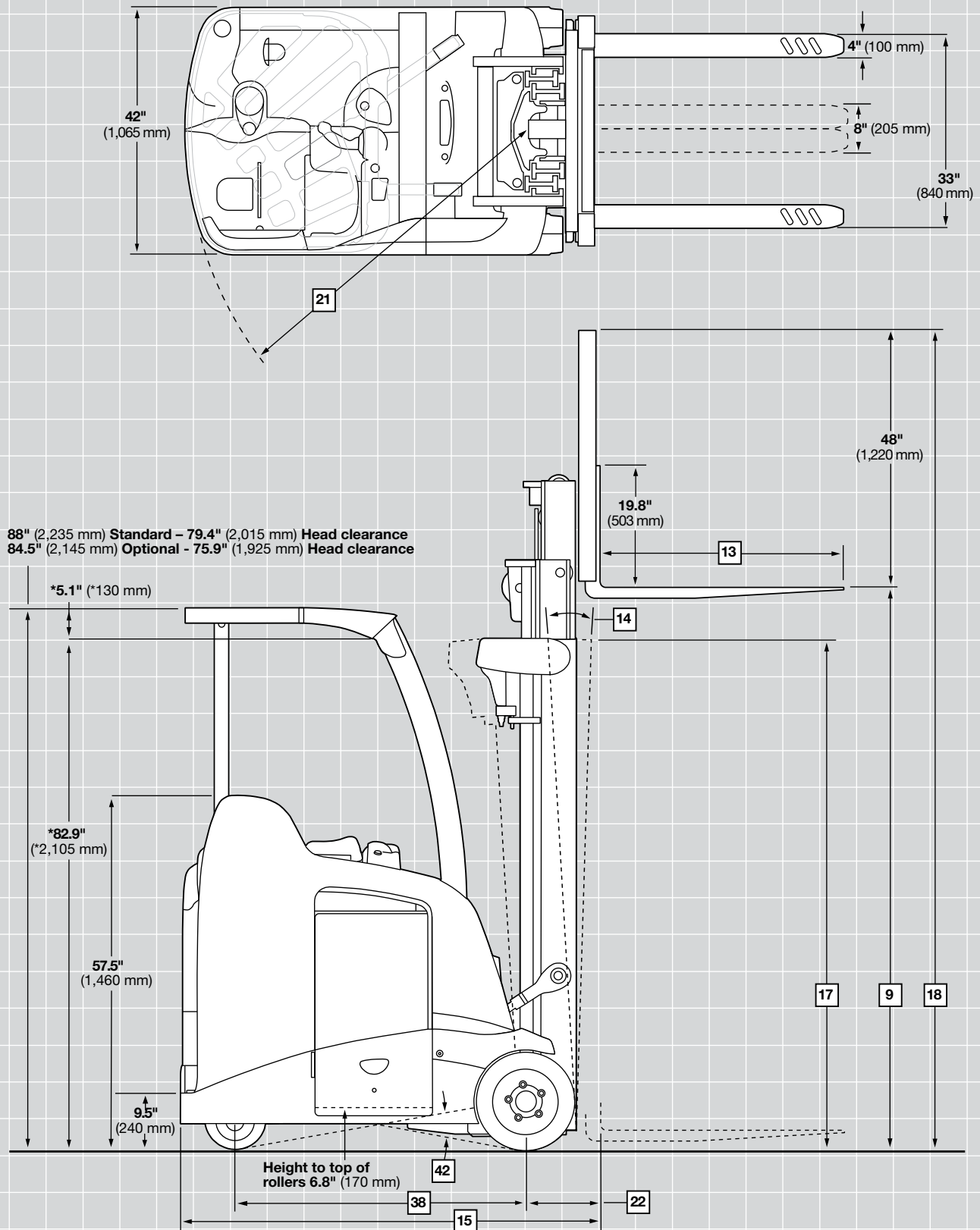
**CROWN**

# RC 5700 SERIES

## **Specifications**

Stand-up rider lift truck





# RC 5700 Series

# Specifications

				Imperial	Metric	Imperial	Metric	Imperial	Metric
General information	1	Manufacturer		Crown Equipment Corporation					
	2	Model	RC	5715-30		5725-30		5735-30	
	3	Truck capacity*	Rated to 154" (3,911 mm) lb kg	3,000	1,360	3,000	1,360	3,000	1,360
	4	Load centre	Fork face to load CG in mm	24	600	24	600	24	600
	5	Power	Electric	36 volts					
	6	Operator type		Stand-up rider counterbalanced					
	7	Tyre type	Press-on solid	Cushion					
	8	Wheels (x = driven)	Number front/rear	2x/2					
Dimensions	9	Mast	Lift height in mm	See mast chart					
	11		Free-lift height† in mm	See mast chart					
	12	Fork carriage		ITA class II					
	13	Forks	Standard L x W x T in mm	36x4x1.5	915x102x38	36x4x1.5	915x102x38	36x4x1.5	915x102x38
			Optional lengths in mm	30, 39, 42, 45, 48, 54, 60	760, 990, 1,070, 1,145, 1,220, 1,370, 1,525	30, 39, 42, 45, 48, 54, 60	760, 990, 1,070, 1,145, 1,220, 1,370, 1,525	30, 39, 42, 45, 48, 54, 60	760, 990, 1,070, 1,145, 1,220, 1,370, 1,525
	14	Tilt	B°/F° degree	See mast chart					
	15	Head length**	in mm	62.9	1,598	65.2	1,656	67.5	1,715
	16	Width overall	Standard tread in mm	42.0	1,065	42.0	1,065	42.0	1,065
	17	Height	Mast collapsed in mm	See mast chart					
	Mast extended† in mm		See mast chart						
	21	Turning radius	in mm	51.7	1,315	54.0	1,375	56.2	1,430
	22	Load distance**	Wheel cntr to fork face in mm	11.3	287	11.3	287	11.3	287
	23	Aisle width	Right-angle stack in mm	Turning radius + Load distance + Load length + Clearance					
Performance	24	Speed travel	Empty/loaded mph km/h	7.2/7.2	11.6/11.6	7.2/7.2	11.6/11.6	7.2/7.2	11.6/11.6
	24a	w/productivity pkg.	Empty/loaded mph km/h	7.8/7.2	12.6/11.6	7.8/7.2	12.6/11.6	7.8/7.2	12.6/11.6
	25	Speed lift	Empty/loaded fpm m/s	110/65	0.56/0.33	110/65	0.56/0.33	110/65	0.56/0.33
	26	Speed lower	Empty/loaded fpm m/s	90/90	0.46/0.46	90/90	0.46/0.46	90/90	0.46/0.46
Weight	32	Weight, less battery	lb kg	6,350	2,880	6,390	2,900	5,929	2,690
	33	Axle load with max. battery	Unloaded front lb kg	3,992	1,810	4,167	1,890	4,522	2,050
	34		Unloaded rear lb kg	4,337	1,970	4,489	2,035	4,057	1,840
Chassis	35	Tyres	Number front/rear	2/2					
	36		Size front in mm	16x7x10.5	406x178x267	16x7x10.5	406x178x267	16x7x10.5	406x178x267
	37		Size rear in mm	10x5x6.5	254x127x165	10x5x6.5	254x127x165	10x5x6.5	254x127x165
	38	Wheelbase	in mm	42.7	1,085	45.0	1,145	47.2	1,200
	39	Track width	Front — Drive in mm	35.0	889	35.0	889	35.0	889
			Rear — Steer in mm	6.7	170	6.7	170	6.7	170
	40	Ground clearance, loaded	Lowest point in mm	3.0	76	3.0	76	3.0	76
	41		Centre of wheelbase in mm	4.2	107	4.2	107	4.2	107
	42	Grade clearance, loaded	%	41		39		37	
	43	Brakes	Service	Foot — Motor					
44	Parking		Auto — Electric						
Battery	45	Battery	Type	Lead acid					
			Compartment	B		C		D	
			Capacity AH	775		930		1,085	
	47		kWh	27.2		32.6		38.1	
			Weight — Min. lb kg	1,710	780	1,990	905	2,280	1,035
			Weight — Max. lb kg	1,980	895	2,270	1,025	2,650	1,200
			Comp't. Size — Max. Length	13.6	345	15.9	404	18.1	460
			Width	38.56	979	38.56	979	38.56	979
			Height	31	787	31	787	31	787
			Cable lead length	Connector position in mm	12/A	300/A	12/A	300/A	12/A
48	Battery floor height	With rollers in mm	6.8	170	6.8	170	6.8	170	
Motors	49	Motors	Traction motor, dia in mm	7.5	191	7.5	191	7.5	191
	50		Lift motor, dia in mm	7.5	191	7.5	191	7.5	191
	51	Operating pressure	For attachments psi bar	Up to 2,500	Up to 175	Up to 2,500	Up to 175	Up to 2,500	Up to 175

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

\*\* Add 4.25" (108 mm) for quad masts, add 1.4" (36 mm) for Crown integrated sideshift, add 2.3" (59 mm) for hook on sideshift.

† Includes load backrest.

Performance specifications are based on a truck equipped with a 190" (4,825 mm) triple telescopic mast.

# RC 5700 Series

# Specifications

				Imperial	Metric	Imperial	Metric	Imperial	Metric	
General information	1	Manufacturer		Crown Equipment Corporation						
	2	Model	RC	5735-35		5745-40		5755-40		
	3	Truck capacity*	Rated to 154" (3,911 mm) lb kg	3,500	1,600	4,000	1,800	4,000	1,800	
	4	Load centre	Fork face to load CG in mm	24	600	24	600	24	600	
	5	Power	Electric	36 Volts						
	6	Operator type		Stand-up rider counterbalanced						
	7	Tyre Type	Press-on solid	Cushion						
	8	Wheels (x = driven)	Number front/rear	2x/2						
Dimensions	9	Mast	Lift height in mm	See mast chart						
	11		Free-lift height† in mm	See mast chart						
	12	Fork carriage		ITA class II						
	13	Forks	Standard L x W x T in mm	36x4x1.75	915x102x45	36x4x1.75	915x102x45	36x4x1.75	915x102x45	
			Optional lengths in mm	30, 39, 42, 45, 48, 54, 60	760, 990, 1,065, 1,145, 1,220, 1,370, 1,525	30, 39, 42, 45, 48, 54, 60	760, 990, 1,065, 1,145, 1,220, 1,370, 1,525	30, 39, 42, 45, 48, 54, 60	760, 990, 1,065, 1,145, 1,220, 1,370, 1,525	
	14	Tilt	B°/F° degree	See mast chart						
	15	Head length**	in mm	67.7	1,720	70.1	1,781	74.4	1,889	
	16	Width overall	Standard tread in mm	42.0	1,065	42.0	1,065	42.0	1,065	
	17	Height	Mast collapsed in mm	See mast chart						
	18		Mast extended† in mm	See mast chart						
	21	Turning radius	in mm	56.2	1,430	58.6	1,490	62.8	1,600	
	22	Load distance**	Wheel cntr to fork face in mm	11.5	292	11.5	292	11.5	292	
Performance	23	Aisle width	Right-angle stack in mm	Turning radius + Load distance + Load length + Clearance						
	24	Speed travel	Empty/loaded mph km/h	7.2/7.2	11.6/11.6	7.2/7.2	11.6/11.6	7.2/7.2	11.6/11.6	
	24a	w/productivity pkg.	Empty/loaded mph km/h	7.8/7.2	12.6/11.6	7.8/7.2	12.6/11.6	7.8/7.2	12.6/11.6	
	25	Speed lift	Empty/loaded fpm m/s	110/60	0.56/0.30	110/55	0.56/0.28	110/55	0.56/0.28	
	26	Speed lower	Empty/loaded fpm m/s	90/90	0.46/0.46	90/90	0.46/0.46	90/90	0.46/0.46	
Weight	32	Weight, less battery	lb kg	6,429	2,915	6,457	2,930	7,975	3,615	
	33	Axle load with max. battery	Unloaded front lb kg	4,557	2,065	4,850	2,200	5,897	2,675	
	34		Unloaded rear lb kg	4,521	2,050	4,678	2,120	5,528	2,505	
Chassis	35	Tyres	Number front/rear	2/2						
	36		Size front in mm	16x7x10.5	406x178x267	16x7x10.5	406x178x267	16x7x10.5	406x178x267	
	37		Size rear in mm	10x5x6.5	254x127x165	10x5x6.5	254x127x165	10x5x6.5	254x127x165	
	38	Wheelbase	in mm	47.2	1,200	49.6	1,260	53.9	1,370	
	39	Track width	Front — Drive in mm	35.0	889	35.0	889	35	889	
			Rear — Steer in mm	6.7	170	6.7	170	6.7	170	
	40	Ground clearance, loaded	Lowest point in mm	3.0	76	3.0	76	3.0	76	
	41		Centre of wheelbase in mm	4.2	107	4.2	107	4.2	107	
	42	Grade clearance, loaded	%	37		35		31		
	43	Brakes	Service	Foot — Motor						
44	Parking		Auto — Electric							
Battery	45	Battery	Type	Lead acid						
			Compartment	D		E		F		
	46	Capacity AH	1,085		1,240		1,395			
		kWh	38.1		43.6		48.5			
	47	Weight — Min. lb kg	2,280	1,035	2,600	1,180	3,100	1,410		
		Weight — Max. lb kg	2,650	1,200	3,070	1,390	3,450	1,560		
		Comp't. Size — Max. Length	18.1	460	20.5	521	22.8	580		
		Width	38.56	979	38.56	979	38.56	979		
		Height	31	787	31	787	31	787		
		Cable lead length	Connector position in mm	12/A	300/A	12/A	300/A	12/A	300/A	
48	Battery floor height	With rollers in mm	6.8	170	6.8	170	6.8	170		
Motors	49	Motors	Traction motor, dia in mm	7.5	191	7.5	191	7.5	191	
	50		Lift motor, dia in mm	7.5	191	7.5	191	7.5	191	
	51	Operating pressure	For attachments psi bar	Up to 2,500	Up to 175	Up to 2,500	Up to 175	Up to 2,500	Up to 175	

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

\*\* Add 4.25" (108 mm) for quad masts, add 1.4" (36 mm) for Crown integrated sideshift, add 2.3" (59 mm) for hook on sideshift.

† Includes load backrest.

Performance specifications are based on a truck equipped with a 190" (4,825 mm) triple telescopic mast.

Dimensions	Mast chart RC 5700 Series		TT											
			in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
	9	Lift height	112	2,845	154	3,910	190	4,825	208	5,280	226	5,740	244	6,200
	11	Free-lift height	6.2	160	20.2	510	32.2	815	38.2	970	44.2	1,120	50.2	1,275
	14	Tilt B/F* (degree)	1.5/5	1.5/5	3/5	3/5	5/5	5/5	5/5	5/5	5/5	5/5	5/5	5/5
	17	Mast collapsed height	57.3	1,455	71.3	1,815	83.3	2,115	89.3	2,265	95.3	2,415	101.3	2,565
	18	Mast extended height	160	4,065	202	5,135	238	6,045	256	6,505	274	6,960	292	7,420

Dimensions	Mast chart RC 5700 Series		Quad mast											
			in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
	9	Lift height	240	6,095	246	6,245	258	6,550	264	6,705	276	7,010	282	7,165
	11	Free-lift height	33.2	840	36.2	915	39.2	995	42.2	1,070	45.2	1,145	48.2	1,225
	14	Tilt B/F* (degree)	3/5	3/5	3/5	3/5	3/5	3/5	3/5	3/5	3/5	3/5	3/5	3/5
	17	Mast collapsed height	83.4	2,120	86.4	2,195	89.4	2,275	92.4	2,350	95.4	2,425	98.4	2,490
	18	Mast extended height	288	7,315	294	7,470	306	7,775	312	7,925	324	8,230	330	8,385

All values with 48" (1,220 mm) load backrest

\*Forward tilt limited to 2° above staging

## RC 5700 Series

## Technical information

## Standard equipment

1. Crown's Access 1 2 3 comprehensive system control
2. e-GEN braking system with automatic parking brake
3. Intrinsic Stability System
  - Travel speed reduction and appropriate brake control when forks are above free-lift
  - Forward tilt interlock above staging
  - Controlled tilt speeds
  - Counterweight exceeds required standards
  - Cornering speed control
  - Ramp hold
  - Ramp speed control
4. FlexRide suspension
5. Operator compartment
  - Crown flexible side stance
  - Padded back support with integral side restraint
  - Premium rubber floor mat
  - Padded armrest
  - Operator console with desktop work surface and storage
  - Entry Bar safety switch
  - Posture relief step
6. Multi-task control handle
7. Tilt Position Assist
8. Crown display
  - Battery discharge indicator with lift interrupt and re-key feature
  - Hour meters / travel distance / stopwatch
  - PIN code access capable
  - Event code display with five (5) key navigation
  - Access 1 2 3 diagnostics
  - P1, P2, P3 Performance tuning
9. AC hydraulics and on-demand steering
10. 36-volt system
11. 350 A battery connector
12. InfoPoint system
13. Colour-coded wiring
14. Battery rollers
15. Dual 10" (254 mm) cushion steer tyres
16. Large 16" (406 mm) cushion drive tyres
17. Crown-manufactured drive and lift motors
18. High visibility power unit
19. Radial design overhead guard with third post
20. High visibility mast with in-line hose routing
21. Hydrostatic power steering
22. 5° forward tilt
23. 48" (1,220 mm) high load backrest
24. Reverse steering
25. Hoist-travel interlock
26. Auto-power down

## Optional equipment

1. Factory-installed attachments
2. Load backrest heights
3. Fork lengths
4. Polished and tapered forks
5. Power source
  - V-Force lithium-ion ready
  - Thin plate pure lead ready
  - Fuel cell ready
6. Dual front cover connectors (dual battery cables)
7. Drive and steer tyres
8. Overhead guard heights
9. Drive-in rack overhead guards
10. Suspended floorboard
11. Adjustable armrest
12. 2 5/8" (67 mm) radius tiller knob
13. Forward steering
14. Quick disconnect hydraulics
15. Electronic pressure regulator
16. 5th hydraulic function
17. Visual warning devices
  - Floor spotlights
  - Floor line lights – side lights only
  - Floor line lights – side and rear lights
  - Flashing lights
  - Arc light – rear arc only
  - Arc light – rear arc and side floor line lights
18. Worklights
19. Dome light
20. Audible warning devices
  - Travel alarms
21. Work Assist accessories
  - Operator fan
  - Clip pad and hook
  - Clamp
  - Mounting plate
  - Shrink wrap holder
  - Cup holder
  - Pockets
  - Organisation kits
  - Desktop clip pad
22. Chain slack detection
23. Fire extinguisher
24. Accessory cable (36V)
25. Uninterrupted power supply
26. Counterweight for RC 5755-40
27. Knee pad
28. InfoLink ready
29. Productivity package
30. Cooling package
31. Environmental packages
  - Corrosion package
  - Freezer package

### Operator compartment

Soft, rounded surfaces make the compartment interior more comfortable. Streamlined exterior smooths entry/exit for the operator.

A low floor height, (9.5" [240 mm]) first greets the operator. A patented FlexRide suspended floor provides a comfortable ride for a wide range of operators. A footrest provides postural relief during stationary tasks, complementing the largest floorboard in its class.

Crown's flexible side stance allows the operator to change positions to increase comfort and productivity.

The Entry Bar safety switch with sensors to automatically slow truck travel, encourages safe foot positioning inside the truck.

The multi-task control handle naturally bridges Crown's current and past designs. Intuitive operation is increased, reducing the learning curve. Blending of hydraulic control functions and traction can improve productivity. Control handle activation forces are reduced. Soft-grip tiller knob with hydrostatic steering reduces operator fatigue.

Operator visibility is improved with:

- Low-profile sculpted power unit
- High-visibility mast
- Angled overhead guard post and placement
- Radial design overhead guard
- Flexible side stance

### Crown Drive System

Crown has applied the latest generation AC drive system, enhanced with Access 1 2 3 technology. The demand for high-efficiency systems that closely match customer torque requirements is met with this generation control system. Crown-manufactured, independently controlled, AC traction motors are specifically designed to optimise system integration between the traction and braking controls.

Crown's Access 1 2 3 technology provides optimum performance and control by offering a communication interface for operators and technicians, intelligent coordination

of lift truck systems and simplified service with advanced diagnostics.

The Crown display is used for easy troubleshooting, access to service history and setting performance features. A distribution panel is conveniently located with all test points, control fuses and central wiring for easy troubleshooting.

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

### e-GEN braking system

Variable regenerative motor braking is optimised and virtually eliminates brake maintenance. The appropriate amount of stopping force is applied to match operator brake input and the current operating conditions of the truck.

The closed loop Access 1 2 3 traction control will keep the truck static until a travel input is requested, even when operating on a gradient.

Automatic electric handbrakes activate when the operator releases the brake pedal, a travel input has not been requested or battery power has been disconnected.

### Steering

Load-sense hydrostatic steering is an on-demand system that reduces energy consumption. Smooth, quiet steering control with minimal operator effort required at the tiller knob. Steer tyres rotate 182° for maximum manoeuvrability. Crown's hydrostatic steering column is simplified with significantly fewer parts, thus reducing maintenance requirements.

### Hydraulics

The hydraulic system provides continuous filtration. A pressurised steel hydraulic tank reduces oil misting and contamination.

Hydraulic attachments can be added easily in the field.

Hydraulic manifold is mounted on the mast, reducing the number of hoses and fittings.

Ram displacement type lift cylinders and two double-acting tilt cylinders are Crown-manufactured. All rams and piston rods are hard chrome plated to reduce pitting and extend cylinder packing life. O-ring face seal fittings are used to eliminate leaks.

### Mast assembly

Crown-manufactured mast assembly utilises a "flush-face" nested I-beam design to improve visibility and reduce truck length. Roller-bearing studs are welded on both sides of the rails for maximum strength and roller bearings are canted to run in the thick cross-section of the rail. Tie bars wrap around the rails for added strength and to resist off-centre load forces.

"In-line" hose routing opens up visibility. Cylinders are placed to the sides to create a high-visibility design.

The mast has four points of attachment to the truck for good load-force distribution. Two mounting points are at the frame, where tilt cylinders attach. Tilt cylinders use spherical bushings to resist off-centre load distortions. Two large-diameter studs secure the mast to the drive units.

### Drive units

Two Crown-manufactured independent double reduction planetary gear drives offer 27 to 1 gear reduction. The first and second reductions use helical gears for low noise and efficiency. The drive unit gears are splash lubricated in an oil bath.

### Fork carriage

An ITA class II carriage is standard. An optional hook type ITA sideshifter or other attachments are easily added. Optional fork lengths are available.

### Warning device options

Audible or visual alerts

Safety considerations and dangers associated with audible travel alarms and 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" to the pedestrians.
- Annoys operators and pedestrians.

### Other options available

Contact factory for additional options.

*Dimensions and performance data given may vary due to manufacturing tolerances. Performance is based on an average-sized 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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Because Crown is continually improving its products, specifications are subject to change without notice.

Notice: Not all products and product features are available in all countries in which this literature is published.

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SF14737-006 Rev. 05-24