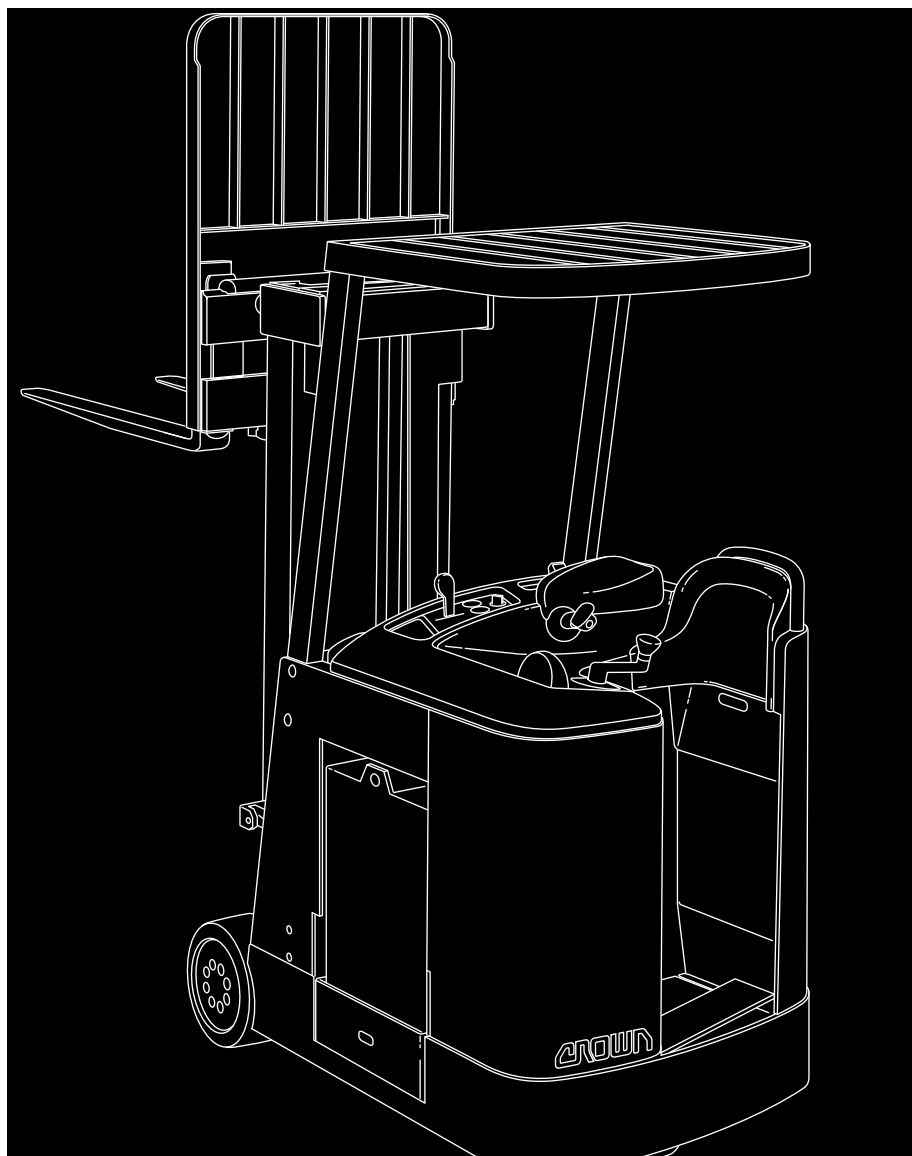


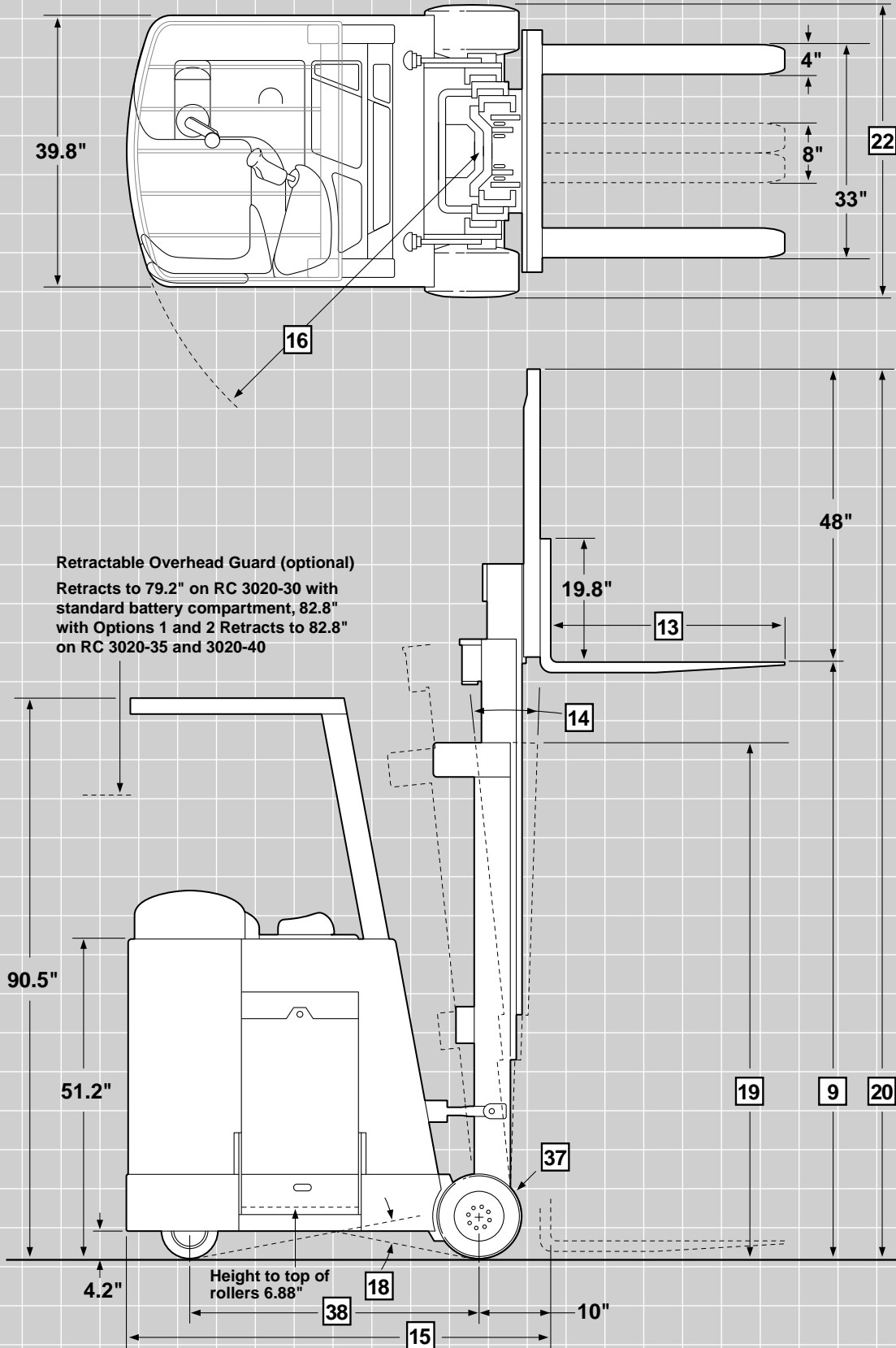


Stand-up Counterbalanced Riders
3000, 3500 and 4000 lb capacity

RC 3000 Series



Specifications



		RC 3000 Series					
		RC 3020-30	RC 3020-35	RC 3020-40	RC 3020-45		
General Information	1	Manufacturer	Crown Equipment Corporation				
	2	Model	RC 3020-30	RC 3020-35	RC 3020-40		
	3	Load Capacity*	lb	3000	3500	4000	
	4	Load Center	Fork Face to Load CG	in	24	24	24
	5	Power	Electric	volts	36	36	36
	6	Operator Type	Stand-up Rider	Counterbalanced			
	7	Tire Type	Drive/Steer	Poly/Rubber	Poly/Rubber	Poly/Poly	
	8	Wheels (x = driven)	Drive/Steer	2x / 2	2x / 2	2x / 2	
Dimensions	9	Lifting Height	in	See Mast Chart			
	10	Guard Height	in	90.5	90.5	90.5	
	13	Forks	Standard L x W x T	in	36 x 4 x 1.5	36 x 4 x 1.5	36 x 4 x 1.8
			Optional Lengths	in	30, 39, 42, 45, 48, 54, 60		
	14	Tilt	Back/Forward	degree	See Mast Chart		
	15	Headlength		in	See Battery Chart		
	16	Turning Radius		in	See Battery Chart		
	18	Grade Clearance		%	See Battery Chart		
	19	Overall Collapsed Height		in	See Mast Chart		
	20	Overall Extended Height		in	See Mast Chart		
	21	Power Unit Width		in	39.8	39.8	39.8
22	Width at Drive Tire		in	40	40	42	
Performance	24	Speed Travel	Empty/Loaded	mph	6.4/6.2	6.4/6.2	6.2/6.0
	25	Speed Lift	Empty/Loaded - TL	fpm	90/51	90/50	90/48
			Empty/Loaded - TF	fpm	73/47	73/46	73/45
			Empty/Loaded - TT	fpm	75/45	75/44	75/43
26	Speed Lower	Empty/Loaded	fpm	60-80/40-60	60-80/40-60	60-80/40-60	
32	Weight, Less Battery		lb	See Mast Chart			
Chassis	37	Tires	Drive	in	13.5 x 6 x 8	13.5 x 6 x 8	13.5 x 7 x 8
			Steer	in	9 x 5 x 5	9 x 5 x 5	9 x 5 x 5
	38	Wheelbase	Comp't 13.68 x 38.56 x 31	in	43.3	na	na
			Comp't 15.88 x 38.56 x 31	in	44.8	na	na
			Comp't 18.38 x 38.56 x 31	in	47.4	47.4	na
			Comp't 20.75 x 38.56 x 31	in	na	na	49.8
42	Brakes	Applied/Released		Mechanical/Hydraulic			
43		Parking		Auto-mechanical			
Battery	44	Battery	Type		Lead-Acid		
	46		Min Weight/Max Amp	13.68	1710/775	na	na
				15.88	1925/930	na	na
				18.38	2085/1085	2085/1085	na
				20.75	na	na	2400/1240
		Max Battery Size		in	13.68 x 38.56 x 31	na	na
				in	15.68 x 38.56 x 31	na	na
in				18.38 x 38.56 x 31	18.38 x 38.56 x 31	na	
in				na	na	20.75 x 38.56 x 31	

* Capacity reduced above 154".

Models RC 3020-30, RC 3020-35 and RC 3020-40

Battery/Dimension	46	Battery	in	13.68 x 38.56 x 31	15.68 x 38.56 x 31	18.38 x 38.56 x 31		20.75 x 38.56 x 31		
	2	Model		RC 3020-30	RC 3020-30	RC 3020-30	RC 3020-35	RC 3020-40		
	15	Headlength	in	63.3	65.1	68.1	68.1	70.4		
	16	Turning Radius	in	52.8	54.4	56.8	56.8	60.1		
	18	Grade Clearance	%	39	37	35	35	34		
		Right Angle Stack*	in	63.3	65.1	68.1	68.1	70.4		

Models RC 3020-30, -35 and -40			TL		TF		TT					QUAD					
Mast	9	Lift Height†	in	106	130	106	130	154	190	208	226	241	240	246	258	268	
		Free Lift**		12	12	23	35	23	35	41	47	52	36	37.5	40.5	43	
	14	Tilt B/F	degree	10/3	10/3	10/3	10/3	7/3	5/2	5/2	5/2	5/2	5/2	5/2	5/2	5/2	
	19	Overall Collapsed Ht.	in	71	83	71	83	71	83	89	95	100	84	85.5	88.5	91	
	20	Overall Extended Ht.**	in	154	178	154	178	202	238	256	274	289	288	294	306	316	
Weight	32	Truck Weight w/o Battery															
		3020-30	Comp't.	13.68	4790	4871	4802	4878	5633	5810	5910	6010	6095	5877	na	na	na
		3020-30	Comp't.	15.68	4586	4667	4598	4674	5429	5606	5706	5806	5891	5673	na	na	na
		3020-30	Comp't.	18.38	4346	4427	4358	4434	5189	5366	5466	5566	5651	5433	na	na	na
		3020-35	Comp't.	18.38	4854	4935	4866	4942	5697	5874	5974	6074	6159	5941	na	na	na
	3020-40	Comp't.	20.75	5380	5460	5390	5470	6220	6400	6500	6600	6685	6467	6487	6527	6560	
Capacity	3	Load Capacity															
		3020-30	lb	3000	3000	3000	3000	3000	2750	2600	2500	2400	2200	na	na	na	
		3020-35	lb	3500	3500	3500	3500	3500	3250	3100	3000	2850	2500	na	na	na	
		3020-40	lb	4000	4000	4000	4000	4000	3750	3600	3500	2950	2700	2500	2300	2200	

† Capacity reduced above 154".

* Add load length plus 6".

** With 48" load backrest.

Capacity

Model RC 3020-30: 3000 lb at 24" load center, 36-volt.

Model RC 3020-35: 3500 lb at 24" load center, 36-volt.

Model RC 3020-40: 4000 lb at 24" load center, 36-volt.

Batteries

Battery removal from right or left side of truck. Standard battery rollers for extraction with mechanical equipment.

Standard Equipment

- 36-volt electrical system.
- EV-100 LXT SCR.
- Discharge indicator.
- Hour meter.
- Urethane covered multi-function control handle and steering tiller knob.
- Suspended floor board and brake pedal.
- Padded back rest with integral thigh pad.
- Padded arm rest.
- Operator console with work surface and storage.

Optional Equipment

- Bulk storage compartment.
- Pencil tray.
- Battery rollers.
- 350 amp battery connector.
- Key switch.
- Color coded wiring.
- Horn.
- Emergency power disconnect.
- Power steering.
- Crown manufactured drive and lift motor.
- Load backrest.
- Overhead guard.

Optional Equipment

- Knee pad.
- Powered retractable overhead guard.
- Drive-in rack overhead guard.
- Quad mast.
- Positive/negative accessory cable.
- Sideshifter.
- Discharge indicator with lift lockout.
- Battery retainer interlock switch.
- Keyless on/off switch.
- Corrosion conditioning.
- Freezer conditioning.
- Forward steering.

Operator Area and Controls

The suspended floorboard and brake pedal design cushions the operator against vibration and shock. Floorboard allows for improved leg and foot movement. An additional area is provided for forward movement of the right foot. Floorboard is tilted to position operator against wrap around padded backrest and integral thigh pad. Compartment interior is large to provide for variety of postures. These features combine to give the operator maximum postural relief, which improves circulation, reduces strain and fatigue, which improves productivity.

Re-styled console provides operator with a work station/storage area while incorporating a new arm/elbow pad to further enhance operator comfort. Console also facilitates improved fork and load visibility to improve productivity. Multi-function control handle for forward and reverse travel, full feathered lift/lower and tilt. Multi-function control and steer tiller knob is enlarged to reduce grip force. Both controls are urethane covered for comfort. Control location keeps the operators posture neutral at all times which reduces fatigue.

Power disconnect has "palm strike" knob for sure actuation upon contact. Parking brake is automatically applied when operator exits truck.

Hydraulics

System includes a Class "H", Crown manufactured lift motor matched to the application to improve performance.

Precise metering of lift and tilt is provided through a spool type hydraulic control valve. Two double acting piston type tilt cylinders and ram displacement type lift cylinders are hard chrome plated for smooth operation and long life. Maximum lowering speed is limited by pressure compensating flow control and velocity fuses. Oil reservoir is designed with a 100 mesh screen at the fill location, a suction strainer, spin-on type 10 micron return line filter and a magnetic drain plug.

Steering System

Full time power steering is standard. A geroller torque generator with low volume requirement provides consistent performance with reduced steer effort. Inside drive tire cut-out in tight turning prevents motor stalling and provides maximum maneuverability. Reverse steering standard, (forward steering optional).

Electrical System

Heavy-duty 36-volt electrical system using the GE EV-100 LXT SCR control. Total micro-processor control with on-board drivers and diagnostic capabilities. Optional handset can be used to access memory or set truck performance parameters.

Two heavy duty Crown manufactured drive motors are application designed providing high starting torque. "Current limit" protects the SCR and drive motor from high currents during acceleration and if stalled. Traction motors are fused for additional protection. All wiring is numbered and color coded for fast troubleshooting and repair.

Mast

Rolled steel outer channel masts and inner "I" beams roll on cant- ed, steel, anti-friction roller bearings for minimal current draw and long life. Mast is designed with heavy cross brace construction to provide excellent stability during lift and full extension. Telescoping mast sections nest in main upright to provide good operator visibility. Tilt cylinder mounting is positioned low for excellent forward visibility reducing product damage and increasing productivity.

Drive Unit

Two independent, totally enclosed, Crown manufactured drive units use double reduction helical/spur gears for noise reduction and strength. All gears are bathed in oil.

Brakes

Each drive unit is equipped with disc brakes mounted on the drive motor shaft. Braking is controlled by the position of a single brake pedal located on the floor of the driver compartment.

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.

Other Options Available

Contact your 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.