

CROWN

RR 5700 SERIES

Specifications

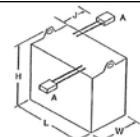
Narrow-Aisle Reach Truck
S Class



RR 5700 Series S Class

Specifications

			Imperial	Metric	
General Information	1	Manufacturer	Crown Equipment Corporation		
	2	Model	RR 5795S		
	3	Load Capacity*	Max lb kg	4500 2000	
	4	Load Center	Fork Face to Load CG in mm	24 600	
	5	Power	36 Volts		
	6	Operator Type	Reach	Sit / Stand	
	7	Tire Type	Load/Caster/Drive	Poly / Poly / Poly	
	8	Wheels (x = driven)	Load/Power Unit	4 / 2 (1x)	
Dimensions		Mast Type	High Visibility TT		
	9	Lift Height	in mm	See Mast Chart	
	10	Guard Height	in mm	See Mast Chart	
	13	Forks	Standard L x W x T	36 x 4 x 1.75	915 x 102 x 45
			Optional Lengths	30, 39, 42, 45, 48	760, 990, 1065, 1145, 1220
	14	Carriage	Tilt F°/B°	3/4	
	15	Headlength	Comp't "C"	55.67	1415
			Comp't "D"	57.42	1460
			Comp't "E"	60.04 / 64.79††	1525 / 1645††
	17	Overall Collapsed Height	in mm	See Mast Chart	
18	Overall Extended Height	in mm	See Mast Chart		
20	Inside Straddle Width**	In 1" (25 mm) increments in mm	34 - 50	860 -1270	
Performance	24	Speed Travel	Power Unit First (E/L) mph kph	8.3 / 7.5	12.1 / 12.1
			Forks First (E/L) mph kph	6.9 / 6.2	11.0 / 10.0
	25	Speed Lift - AC†	Empty fpm mm/s	153	775
			1000 lb (455 kg) fpm mm/s	139	707
			2000 lb (910 kg) fpm mm/s	121	615
			3000 lb (1360 kg) fpm mm/s	105	530
			3500 lb (1585 kg) fpm mm/s	97	490
			4000 lb (1815 kg) fpm mm/s	90	455
4500 lb (2000 kg) fpm mm/s	82	415			
26	Speed Lower	Empty/Loaded fpm mm/s	110 / 110	555 / 555	
37	Tires	Size - Drive/Caster in mm	13 x 5.5 / 8.5 x 2.7 x (2)	330 x 140 / 216 x 69 x (2)	
Chassis	38	Wheelbase (Standard Wheel)	Comp't "C" in mm	58.32	1480
			Comp't "D" in mm	60.07	1525
			Comp't "E" in mm	62.7 / 67.45††	1595 / 1715 ††
	39	Suspension	Drive	Articulated	
			Caster	Articulated, Swivel	
42	Brakes	Drive	Elec Release / Mech Applied		
		Caster	Electronically Applied		
		Parking	Elec Release / Mech Applied		
Battery		Battery Removal	Drive Side		
	45	Type	Lead Acid		
	46	Min Weight/Max Amp	Comp't "C" lb/amp kg/amp	2000 / 930	910 / 930
			Comp't "D" lb/amp kg/amp	2280 / 1085	1035 / 1085
			Comp't "E" ≤ 400" (10160 mm) lb/amp kg/amp	2600 / 1240	1180 / 1240
			Comp't "E" 401-442" (10185-11225 mm) lb/amp kg/amp	2800 / 1240	1270 / 1240
		Max Battery Size	Comp't "C" L x W x H in mm	38.38 x 16.25 x 31	975 x 415 x 787
Comp't "D" L x W x H in mm			38.69 x 18.00 x 31	983 x 455 x 787	
Comp't "E" L x W x H in mm			38.69 x 20.75 x 31	983 x 525 x 787	
		Connector Location/Length (J) in mm	A / 9		
		Standard Connector	SB350 Gray		



* Contact factory. Capacity may be subject to derating at height.
 ** Inside straddle is decreased .35" (10 mm) with Quick Change Load Wheels.
 † Maximum lift speeds with the maximum available battery compartment.
 †† 442" (11225 mm) Lift Height.

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			TT														
Mast	9	Lift Height	in mm	198"	5025	210"	5330	240"	6095	270"	6855	300"	7620	321"	8150		
		Free Lift*	in mm	41	1040	47	1190	59	1495	71	1800	83	2105	92	2335		
	10	Guard Height	in mm	89	2260	95	2415	95	2415	95	2415	95	2415	95	2415		
	17	Overall Collapsed Height	in mm	89	2265	95	2415	107	2720	119	3025	131	3330	140	3560		
	18	Overall Extended Height*	in mm	246	6250	258	6555	288	7315	318	8080	348	8840	369	9375		
	Minimum Straddle OD	in mm	42	1065	42	1065	42	1065	42	1065	42	1065	42	1065	42	1065	
Weight	Truck Weight w/o Battery		Battery Compartment														
				"C"	lb kg	5984	2720	6093	2770	6406	2910	6696	3045	7203	3275	7379	3355
	RR 5795S			"D"	lb kg	6034	2745	6143	2790	6456	2935	6746	3065	7253	3295	7429	3375
				"E"	lb kg	6089	2770	6198	2815	6511	2960	6801	3090	7308	3320	7484	3400

			TT													
Mast	9	Lift Height	in mm	341"	8660	366"	9295	400"	10160	421"	10695	442"	11225			
		Free Lift*	in mm	101	2565	112	2845	124	3150	130	3300	142	3605			
	10	Guard Height	in mm	95	2415	95	2415	95	2415	95	2415	95	2415			
	17	Overall Collapsed Height	in mm	149	3785	160	4060	172	4365	178	4520	190	4825			
	18	Overall Extended Height*	in mm	389	9885	414	10520	448	11380	469	11915	490	12450			
	Minimum Straddle OD	in mm	49	1245	50	1270	53	1345	53	1345	53	1345				
Weight	Truck Weight w/o Battery		Battery Compartment													
				"C"	lb kg	na	na	na	na	na	na	na	na	na	na	na
	RR 5795S			"D"	lb kg	7786	3540	na	na	na	na	na	na	na	na	na
				"E"	lb kg	7841	3565	8057	3660	8291	3770	8759	3980	9122	4145	

* With load backrest.

Note: Above 321" (8150 mm), 6" (150 mm) high load wheel standard.

RR 5700 Series S Class

Technical Information

Capacity

Model RR 5795S - 4,500 lb (2000 kg) at 24" (600 mm) load center, 36 volt

Batteries

Battery removal from left side of truck. Standard battery compartment rollers for extraction with mechanized equipment.

Standard Equipment

1. Crown's Access 1 2 3® Comprehensive System Control
2. 36 volt system
3. AC Traction System
4. AC Hydraulics with electronic power steering
5. OnTrac® Anti-Slip Traction Control
6. Operator compartment
 - Variable side stance
 - Flexible five-point positioning
 - Adjustable suspended seat, perch, backrest, and Multi-Task Control armrest
 - Adjustable steer tiller
 - Back support with integral hip support
 - Arm/elbow support padding
 - Padded compartment interior walls
 - Operator console with work surface and storage
 - Entry bar
 - Suspended floor
 - 383 in² (2471 cm²) floor area
 - 178 in² (1148 cm²) upper footrest area
 - Premium urethane floorboard cushion
 - Console light
7. Multi-task control handle
8. Crown display
 - Event code display with five (5) key navigation
 - Hour meters / travel distance / stop watch
 - PIN Code access capable
 - Access 1 2 3 diagnostics
 - P1, P2, P3 performance tuning
 - Battery discharge indicator, steer wheel direction indicator, OnTrac Traction Control indicator
9. High visibility power unit
10. High visibility mast
11. Overhead guard
12. 48" (1220 mm) high load backrest
13. Crown-manufactured sideshifter, 2" - 4" (50 - 100 mm) each way
14. Tilting fork carriage
15. Tandem articulating load wheels
16. Lift slow down 12 (305 mm) from maximum lift height
17. Lift Limit without override
18. Crown-manufactured drive and lift motors
19. Offset articulated drive axle with 190° steer arc
20. Key switch
21. Horn
22. Emergency power disconnect
23. 350 amp battery connector
24. Large diameter battery rollers
25. Color-coded wiring
26. Third post
27. Reverse steering
28. InfoPoint® System with Quick Reference Guide
29. Static Strap

Optional Equipment

1. Rack Height Select and Tilt Position Assist
2. Capacity monitor
3. Camera and color monitor
4. Mast lift heights to 442" (11225 mm)
5. Lift limit with override
6. Drive-in rack cylinder package
7. Drive-in rack mast Max Lift Height = 400" (10160 mm)
8. Chain slack kit
9. Bolt-on outrigger tips
10. Quick Change Bolt-on outrigger tips
11. Mesh screen mast guard
12. Battery retainer with interlock
13. 36" (915 mm) and 42" (1065 mm) high load backrests
14. Overhead guard mesh
15. Polished and tapered forks
16. Fork lengths
17. Work lights
18. LED flashing light
19. Keyless on/off switch
20. Fan
21. Corrosion/freezer conditioning (freezer conditioning includes a 5/8" (16 mm) thick power unit skirt with extended coverage of the drive and caster tires)

22. ThermoAssist™ freezer comfort package ("C", "D" or "E" battery compartment)
23. Load wheel sizes and compounds
24. Forward Steering
25. Work Assist® Accessories:
 - Accessory tube
 - Accessory RF mounting plate
 - Accessory RF mounting bracket
 - Accessory clamp
 - Accessory clip pad
 - Accessory hook
 - Accessory clip pad and hook
 - Accessory pocket
26. InfoLink® Ready System
27. InfoLink for Windows® Ready System

Operator Compartment

Soft, rounded surfaces make compartment interior more comfortable. Streamlined exterior smooths entry/exit for the operator. A low floor height, 9.9" (251 mm), first greets the operator. A 383 in² (2471 cm²) floor and patented suspended floorboard provide comfortable footing.

All S Class reach trucks include an upper footrest area, 178 in² (1148 cm²) with smart foot interlocks and brake control. Using these large, exclusive footrests can improve operator comfort. From the standing position, the ability to lift either leg to a footrest can reduce fatigue which increases productivity.

The brake pedal design allows variable side-stance positions for the operator. The operator can change positions to increase comfort and productivity.

The S Class model offers a superior level of flexibility for the operator with an adjustable suspended seat, perch, backrest, armrest, control handle and steer tiller. The combination of these features lets the operator move from a standing, leaning or seated driver position. The stress of standing can be relieved by sitting and the stresses of sitting can be relieved by standing. By changing postures and using different sets of muscles, significant ergonomic, physiological and orthopedic benefits may result.

Five-point positioning provides control and stability, starting with the right hand on the multi-task controller and the left hand on the steer tiller. Left foot on the brake pedal and the right foot on the presence sensor. The operator's back is naturally fitted against the wrap-around support cushion.

An entry bar with sensors to automatically slow truck travel, encourages safe foot positioning inside the truck.

The multi-task control enables the operator to maneuver the truck while blending lift and accessory functions for improved productivity. Control handle activation forces are reduced. The soft grip steer tiller with electronic power steering reduces operator fatigue.

Operator visibility is improved with:

- Low profile power unit
- High visibility mast
- Angled mast cross bracing
- Angled overhead guard cross bars
- Variable side stance

Superior thermal management is the result of several design features: reduced heat generating components, positioning of heat generating components away from the compartment, padding to insulate the compartment from heat, and improved air paths through the truck.

Clipboard surface and console storage pockets are standard.

Crown's Access 1 2 3® Comprehensive System Control

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 trouble shooting, access service history and set performance features. A distribution panel is conveniently located with all test points, control fuses and central wiring for easy troubleshooting.

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

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Technical Information

OnTrac® Anti-Slip Traction Control

Crown's Access 1 2 3® technology monitors truck dynamics, optimizes traction, reduces spinning during acceleration, prevents lock-up during braking, and greatly extends tire life.

Travel

Crown's AC traction system is a closed loop traction control system that maintains top speed throughout the battery charge. Engineered and manufactured by Crown, the AC motor, controller and drive unit are designed specifically for lift truck applications.

On an inclined surface or when interfacing with push-back racking, the "truck hold" feature electronically brakes the truck when the handle is in neutral. The operator does not have to release the brake pedal, improving comfort and control in these applications. Selected travel speed remains constant regardless of surfaces, load weight or grades. Less throttling of control handle means better truck control and less fatigue to the operator.

Steering

The electronic power steering uses an AC steer motor and steering control module integrated with the Access 1 2 3 System to provide fast, reliable steering response.

Smooth, quiet steering control with minimal operator effort required at the steer tiller. Drive tire rotates 190° for maximum maneuverability.

Braking

A disc brake on the motor armature shaft combined with motor regenerative braking provides sure braking with fewer parts and maintenance requirements. An electronically-applied brake on the caster wheel works with the motor brake to provide good brake performance for the S Class truck.

Regenerative motor braking helps save energy and decreases motor temperature.

Suspension

The offset, articulated drive-unit design provides positive floor contact.

Load Handling

The optional load handling assist package provides rack height select and tilt position assist features.

The Rack Height Select feature allows the truck to be programmed to stop at preselected heights. With one-touch of the multi-task trigger while lifting or lowering, the mast will stop at the next programmed height.

Another useful option is the Tilt Position Assist. This allows the fork tilt to stop at a preprogrammed position for maximum fork clearance when entering pallets.

Also optional, the Capacity Monitor shows the approximate weight on the forks and the fork height. It will alert the operator when the truck capacity is exceeded for the fork height. It will also show how high or to which lift zone you can raise the load.

Mast

High visibility mast design with angled cross bracing and angled overhead guard braces improve visibility for high or low stacking. Crown's patented staging cushions coupled with lowering dampers and speed reductions at maximum lift improve overall load handling control.

Rolled steel outer channel masts and inner "I" beams roll on canted, steel, anti-friction roller bearings for minimal current draw and long life. Telescoping mast sections nest to reduce truck length. Heavier mast cross bracing design increases stiffness. Above 270 (6860 mm) lift, vertical mast reinforcement maintains maximum capacity.

Carriage

A hook-type carriage conforming to ITA specifications is used. Load backrest is standard.

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 and 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 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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