

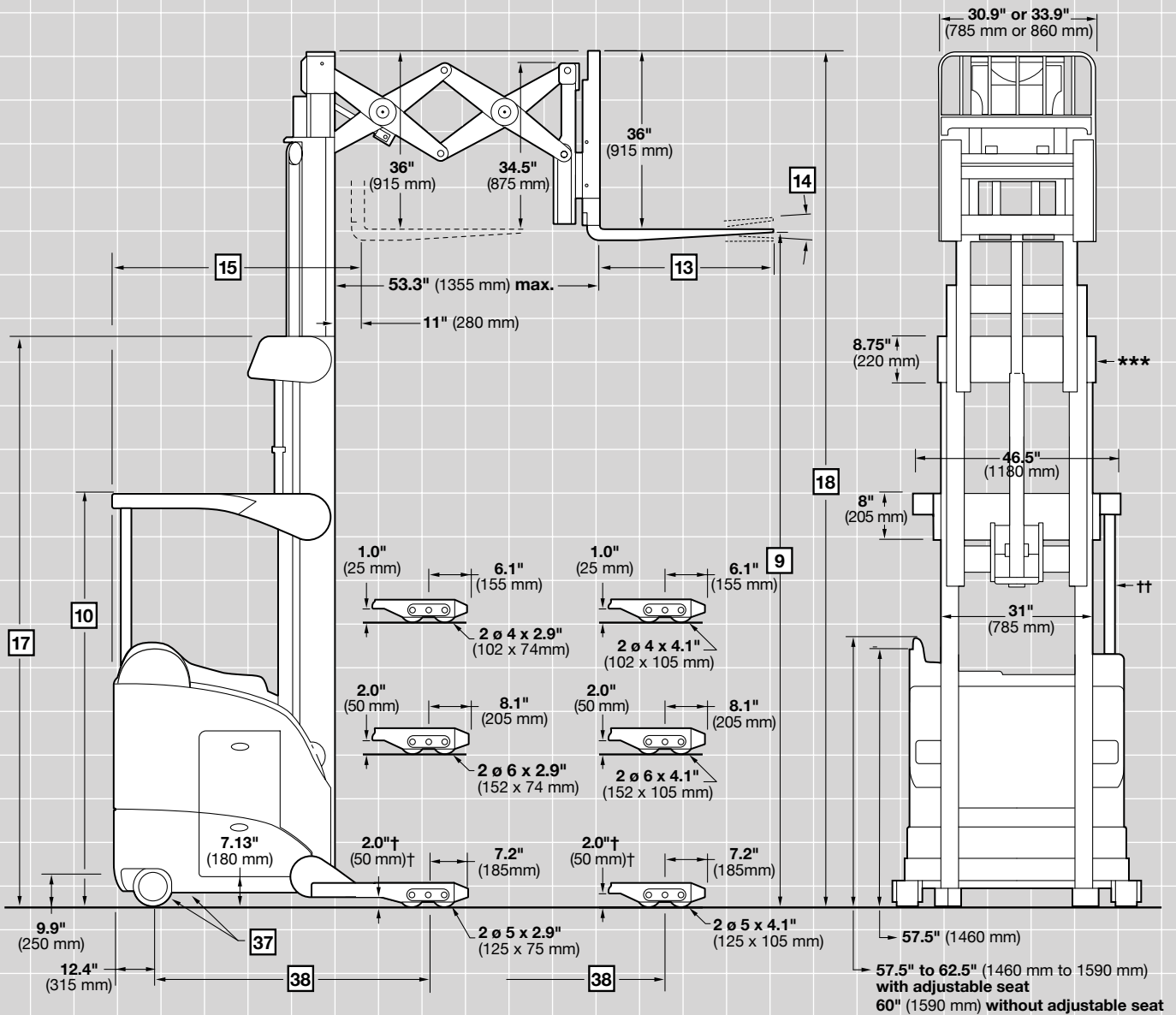
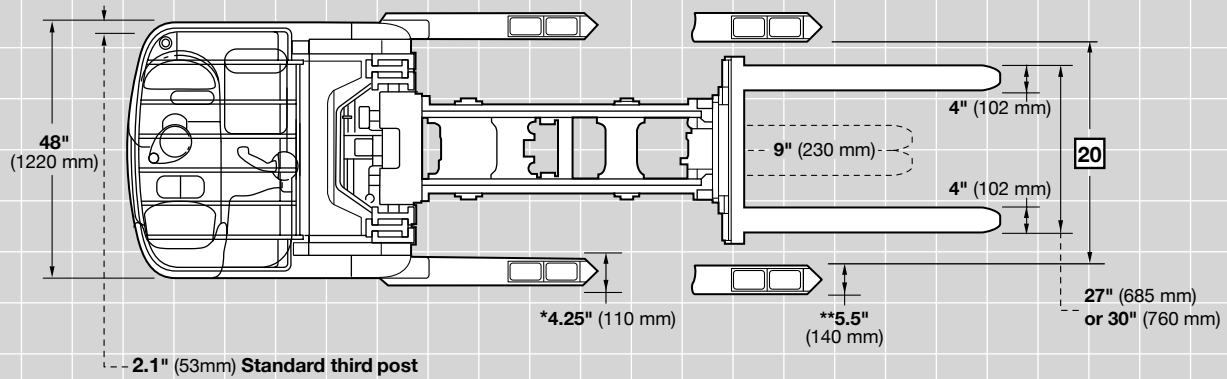
CROWN

RD 5700 SERIES

Specifications

Narrow-Aisle Reach Truck
S Class





* 4.6" (120 mm) with Quick Change Load Wheels

** 5.86" (150 mm) with Quick Change Load Wheels

*** Top tie bar width- 33" (835 mm) for 240" (6095 mm) or 270" (6860 mm) lift. 35" (900 mm) for 300" (7620 mm) and above.

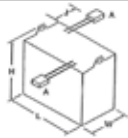
† 1" (25 mm) on lift heights above 321" (8150 mm)

†† Standard third post location, refer to dimension in top view.

RD 5700 Series S Class

Specifications

			Imperial	Metric	
General Information	1	Manufacturer	Crown Equipment Corporation		
	2	Model	RD 5795S-32		
	3	Load Capacity*	Max	lb kg	3200 1450
	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		
	9	Lift Height	in mm	See Mast Chart	
	10	Guard Height	in mm	See Mast Chart	
	13	Forks	Standard L x W x T	in mm	36 x 4 x 1.5 915 x 102 x 38
			Optional Lengths	in mm	30, 39, 42, 45, 48 760, 990, 1065, 1145, 1220
	14	Carriage	Tilt F°/B°	degree	3/4
	15	Headlength	Comp't "C"	in mm	60.46 1535
			Comp't "D"	in mm	62.21 1580
			Comp't "E"	in mm	64.83 / 69.58†† 1645 / 1765††
	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 - 50 865 -1270	
Performance	24	Speed Travel	Power Unit First (E/L)	mph kph	8.3 / 7.5 13.4 / 12.1
			Forks First (E/L)	mph kph	6.9 / 6.2 11.1 / 10.0
	25	Speed Lift - DC†	Empty	fpm mm/s	125 635
			1000 lb (455 kg)	fpm mm/s	108 545
			2000 lb (910 kg)	fpm mm/s	95 480
			3000 lb (1360 kg)	fpm mm/s	83 420
	25a	Speed Lift - AC†	Empty	fpm mm/s	152 770
			1000 lb (455 kg)	fpm mm/s	136 690
			2000 lb (910 kg)	fpm mm/s	118 595
			3000 lb (1360 kg)	fpm mm/s	103 520
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	61.32 1560
			Comp't "D"	in mm	63.07 1600
			Comp't "E"	in mm	65.70 / 70.45†† 1669 / 1789††
	39	Suspension	Drive	Articulated	
			Caster	Articulated, Swivel	
	42	Brakes	Drive	Elec Release / Mech Applied	
Caster			None		
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	- Width is measured on the side of the battery with lifting hooks.	Comp't "C" L x W x H	in mm	38.69 x 16.25 x 31 983 x 413 x 787
		Comp't "D" L x W x H	in mm	38.69 x 18.00 x 31 983 x 457 x 787	
		Comp't "E" L x W x H	in mm	38.69 x 20.75 x 31 983 x 527 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.

RD 5700 Series S Class

Specifications

Model RD 5795S-32			TT													
Mast	9	Lift Height	in mm	198"	5025	210"	5330	240"	6095	270"	6855	300"	7620	321"	8150	
		Free Lift*	in mm	53	1345	59	1495	71	1800	83	2105	95	2415	104	2640	
	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	234	5945	246	6250	276	7010	306	7775	336	8535	357	9070	
	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 Comp't.													
		"C"	lb kg	6146	2795	6256	2845	6569	2985	6858	3115	7365	3350	7542	3430	
	RD 5795S-32	"D"	lb kg	6196	2815	6306	2865	6619	3010	6908	3140	7415	3370	7592	3450	
		"E"	lb kg	6253	2840	6361	2890	6674	3035	6963	3165	7470	3395	7647	3475	

Model RD 5795S-32			TT												
Mast	9	Lift Height	in mm	341"	8660	366"	9295	400"	10160	421"	10695	442"	11225		
		Free Lift*	in mm	113	2870	124	3150	136	3450	142	3605	154	3910		
	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	377	9580	402	10215	436	11075	457	11610	478	12145		
	Minimum Straddle OD	in mm	49	1245	50	1270	53	1345	53	1345	53	1345			
Weight	Truck Weight w/o Battery		Battery Comp't.												
		"C"	lb kg	na	na	na	na	na	na	na	na	na	na	na	na
	RD 5795S-32	"D"	lb kg	7953	3615	na	na	na	na	na	na	na	na	na	na
		"E"	lb kg	8008	3640	8224	3740	8458	3845	8926	4055	9290	4225		

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

RD 5700 Series S Class

Technical Information

Capacity

Model RD 5795S-32 - 3200 lb (1450 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. DC Hydraulics with hydrostatic 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. 36" (914 mm) high load backrest
13. Crown-manufactured side-shifter, 2" (50 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. AC Hydraulics with electronic power steering
2. Rack Height Select and Tilt Position Assist
3. Capacity monitor
4. Camera and color monitor
5. Mast lift heights to 442" (11225 mm)
6. Lift limit with override
7. Drive-in rack cylinder package
8. Drive-in rack mast Max Lift Height = 421" (10695 mm)
9. Chain slack kit
10. Quick Change Bolt-on outrigger tips
11. Bolt-on outrigger tips
12. Mesh screen mast guard
13. Battery retainer with interlock
14. 42" (1065 mm) and 48" (1220 mm) high load backrests
15. Overhead guard mesh
16. Polished and tapered forks
17. Fork lengths
18. Work lights
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 hydrostatic steering or optional 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 trouble-shooting.

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

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

Load sense hydrostatic steering an on-demand system which reduces energy consumption. Smooth, quiet steering control with minimal operator effort required at the steer tiller. Drive tire rotates 190° for maximum maneuverability.

The optional 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.

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.

RD 5700 Series S Class

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.

Technical Information

Carriage

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

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 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.



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.

Crown Equipment Corporation

New Bremen, Ohio 45869 USA

Tel 419-629-2311

Fax 419-629-3796

crown.com

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

Crown, the Crown logo, the color beige, the Momentum mark, Access 1 2 3, InfoPoint, InfoLink, ThermoAssist, OnTrac and Work Assist are trademarks of Crown Equipment Corporation. Other trademarks are property of their owners.

Copyright 2009-2015 Crown Equipment Corporation
SF18302 Rev. 05-15
Printed in U.S.A.