

CROWN

RTD 4000 SERIES

Specifications

Double Stacker





Distinguishing Mark	1.1	Manufacturer	Crown Equipment Corporation		
	1.2	Model			RTD 4020-2.0
	1.3	Power Source			electric
	1.4	Operator Type			Stand-up
	1.5	Rated Capacity *	Q	t	2.0
	1.6	Load Centre	c	mm	600
	1.8	Load Distance	Initial lift lowered / raised	x	mm 982 / 922
	1.9	Wheelbase	Initial lift lowered / raised	y	mm 1835 / 1777
Tyres/Wheels/Chassis	2.1	Service Weight	Less battery	kg	1055
	2.2	Axle Load	With load, front / rear	kg	1406 / 2040
	2.3	Axle Load	Without load, front / rear	kg	1044 / 402
	3.1	Tyres			Vulkollan
	3.2	Tyre Size	Front	mm	Ø 250 x 75
	3.3	Tyre Size	Rear	mm	Ø 82 x 100
	3.4	Additional Wheels	Castor wheel	mm	2x Ø 125 x 60
	3.5	Wheels	Number front/rear (x=driven wheels)		1x + 2/2
	3.6	Tread	Front	b10 mm	470
Dimensions	3.7	Tread	Rear	b11 mm	384
		Mast Type			TL
	4.2	Mast Collapsed Height	Initial lift lowered / raised	h1 mm	1336 / 1451
	4.4	Lift Height	Initial lift lowered / raised	h3 mm	1685 / 1800
	4.5	Mast Extended Height **	Without load backrest, initial lift lowered / raised	h4 mm	2178 / 2642
	4.6	Initial Lift		h5 mm	115
	4.8	Seat Height	Relating to SIP / Stand Height	h7 mm	298
	4.9	Height Control Handle	In driving position	h14 mm	1302
	4.10	Outrigger		h8 mm	79
	4.15	Fork Height	Lowered	h13 mm	85
	4.19	Overall Length		l1 mm	2222
	4.20	Head Length		l2 mm	1032
	4.21	Overall Width		b1 mm	780
	4.22	Fork Dimensions	DIN ISO 2331	s/e/l mm	60 x 186 x 1190
	4.24	Fork Carriage Width		b3 mm	650
	4.25	Fork Spread		b5 mm	570
	4.31	Ground Clearance	With load, below mast	m1 mm	15
	4.32	Ground Clearance	Centre wheelbase, with load / without load	m2 mm	25
	4.34.1	Aisle Width	For pallets 1000x1200 crossways, initial lift lowered / raised	Ast mm	2812 / 2758
	4.34.2	Aisle Width	For pallets 800x1200 lengthways, initial lift lowered / raised	Ast mm	2668 / 2640
	4.35	Turning Radius	Initial lift lowered / raised	Wa mm	2012 / 1953
Performance Data	5.1	Travel Speed	With load / without load, Power unit first	km/h	9.0 / 12.5
	5.1.1	Travel Speed Backwards	With load / without load, Forks first	km/h	7.6 / 10.5
	5.2	Lift Speed	With load / without load	m/s	0.15 / 0.32
	5.3	Lowering Speed	With load / without load	m/s	0.32 / 0.23
	5.8	Max. Gradeability	With load / without load, 5 min. rating	%	8 / 24
	5.10	Service Brake			electric
Electric Motor	6.1	Traction Motor	Rating at S2 60 min. / H-class	kW	4.0
	6.2	Pump Motor	Rating at S3 10%	kW	2.2
	6.3	Battery	According to DIN 43531/35/36 A, B, C, no		B
		Max. Battery Box Size		lxwxh mm	284 x 624 x 627 (288 x 628 x 784)
	6.4	Battery Voltage	Nominal capacity 5h rating	V/Ah	24 / 315-375 (420-465)
	6.5	Battery Weight	Min. / max.	kg	274 / 302 (366 / 404)
	10.7	Sound Pressure Level	At the operator's seat	dB(A)	63

* As double stacker 1000 kg + 1000 kg, as pallet truck 2000 kg and as stacker 1000 kg

** With load backrest: +760 mm / +560 mm / +360 mm

Electric System / Batteries

24-volt electrical system with nominal battery capacities up to 465 Ah.

Standard Equipment

1. Maintenance free 3-phase Crown (AC) traction motor
2. e-GEN® Braking System offers regenerative and frictionless electric braking. Mechanical braking applies only as parking brake
3. Crown Access 1 2 3® Comprehensive System Control
 - LCD display
 - Keyless start up with PIN code
 - Start up and run time diagnostics
 - Battery discharge indicator and lift interrupt
 - 3 selectable traction performance profiles
 - Hour meters for monitoring various truck operating components
 - On-board diagnostics with real time trouble-shooting capabilities
 - Steering wheel direction indicator
4. Operator compartment
 - Right hand steering
 - Suspended floorboard
 - Integrated presence sensor
 - Wraparound soft foam lean pad
5. Sealed electrical Deutsch Connectors
6. Electric power disconnect switch
7. Vulkollan drive tyre, dual spring loaded caster wheels and load wheels
8. Single load wheels
9. Ramp hold
10. Battery connector DIN 160 A Rema
11. Heavy-duty reinforced fork assembly and chassis with 8 mm thick steel skirt
12. Easily removable steel covers including battery cover for convenient access
13. Intelligent Electric Steering System with speed reduction in turns

Optional Equipment

1. Left hand steering
2. Fold-down seat
3. Foldable footrest
4. Enhanced suspended floorboard
5. Battery rollout with safety interlock
6. Battery connector SBE 160 red
7. On-board charger (with 315-375 Ah only)
8. Powerfriction or supertrac drive tyre
9. Tandem load wheels
10. Freezer conditioning
11. Pallet entry/exit roller system
12. 12V or 24 V power supply
13. LED light (not in combination with travel alarm, strobe light and power supply 12 V)
14. Strobe light
15. Travel alarm
16. Load backrest options
17. Mesh guard on fork carriage
18. Key switch or key pad
19. Welded fork marks
20. Work Assist™ accessory tube
21. Work Assist™ Accessories
 - A5 clip pad
 - Storage pocket
 - Beverage holder
 - Scan gun holder
 - Universal mounting bracket
 - Universal mounting clamp
22. Special paint
23. InfoLink Ready
24. Lithium-Ion Battery Ready

Electrical

24 volt electrical system managed by Crown's Access 1 2 3 Comprehensive System Control. Virtually maintenance-free AC traction motor provides strong acceleration and control at any speed.

Power Unit

Designed to take the abuse of dock work, the rugged power unit features a reinforced 8 mm thick skirt to protect drive unit and caster components. A 8 mm skirt protects the battery and lift linkage. Removable steel covers ensure internal components are protected against impacts yet easily accessible for service.

Operator Area and Controls

The RTD 4000 features an Entry Bar® Safety Switch which alerts operators if their foot is outside the protection of the operator compartment. If the operator steps on the Entry Bar, truck will automatically slow down, an alarm sounds and "Entry Bar" is shown on the truck display.

Low step height and wide, rounded access make it easy to step on and off the truck. A contoured lean pad on the RTD 4000 provides a soft contact surface to lean against.

Side-stance operation provides for maximum visibility in both driving directions. The hand grips are urethane covered for insulation from cold and vibration with integrated horn button for easy activation.

An ergonomic forward/reverse thumb wheel allows for precise manoeuvring.

The electric steering improves manoeuvrability and responsiveness, even with heavy loads. Combined with speed reduction in turns, electric steering safely delivers top driving performance.

Access 1 2 3® Comprehensive System Control

Crown's Access 1 2 3 technology provides optimum performance and control by offering a communications interface for the operator and service technician, intelligent coordination of lift truck systems and simplified service with advanced diagnostics.

The display includes a full featured on-board service tool so service technicians can actively view inputs and outputs during truck operation. No laptop or service terminal is required. Event code history, including the last 16 events, is accessible through the display.

The display provides a convenient interface for operators, keeping them informed (hour meters, BDI, operator messages, service codes) of any changes impacting truck performance and allowing them to choose from three performance profiles when enabled.

Performance tuning can be accessed at the display to customise truck performance for specific applications or operator requirements. In addition, up to 25 PIN codes can be assigned to individual operators and matched to one of the pre-programmed performance profiles if desired.

e-GEN® Braking System

The power of the high-torque AC traction motor is used to stop the truck and keep it static until a travel input is requested, even when operating on a gradient. This system eliminates adjustments and wear points for a lifetime of maintenance free use. An automatic parking brake activates if the truck is stopped and the operator leaves the platform or power is disconnected.

Safety Regulations

Conforms to European safety standards. 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.