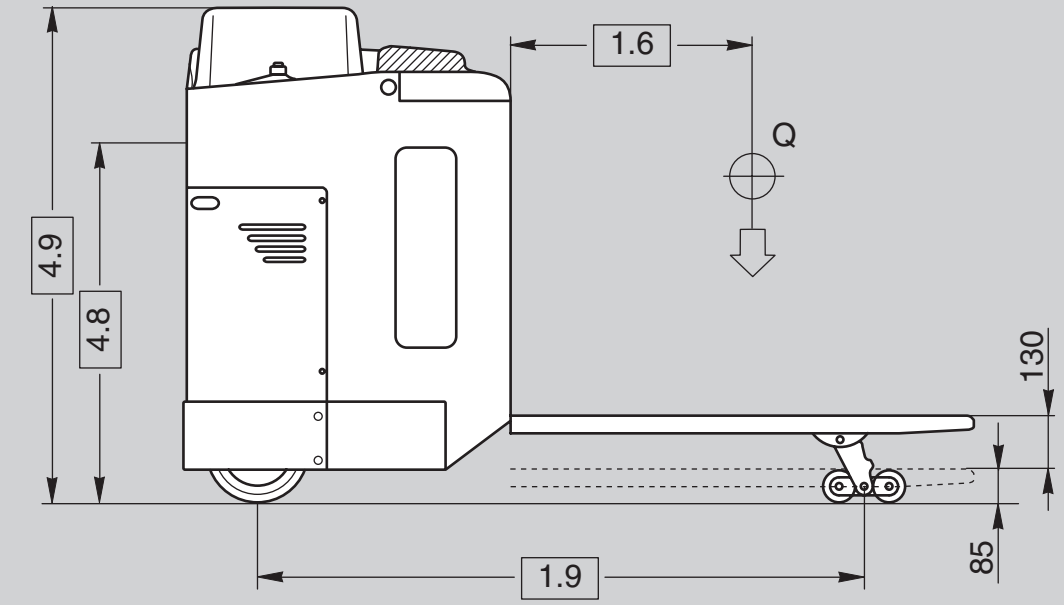
Specifications

RT 3000 Series

Rider Pallet Truck

RT 3000

Series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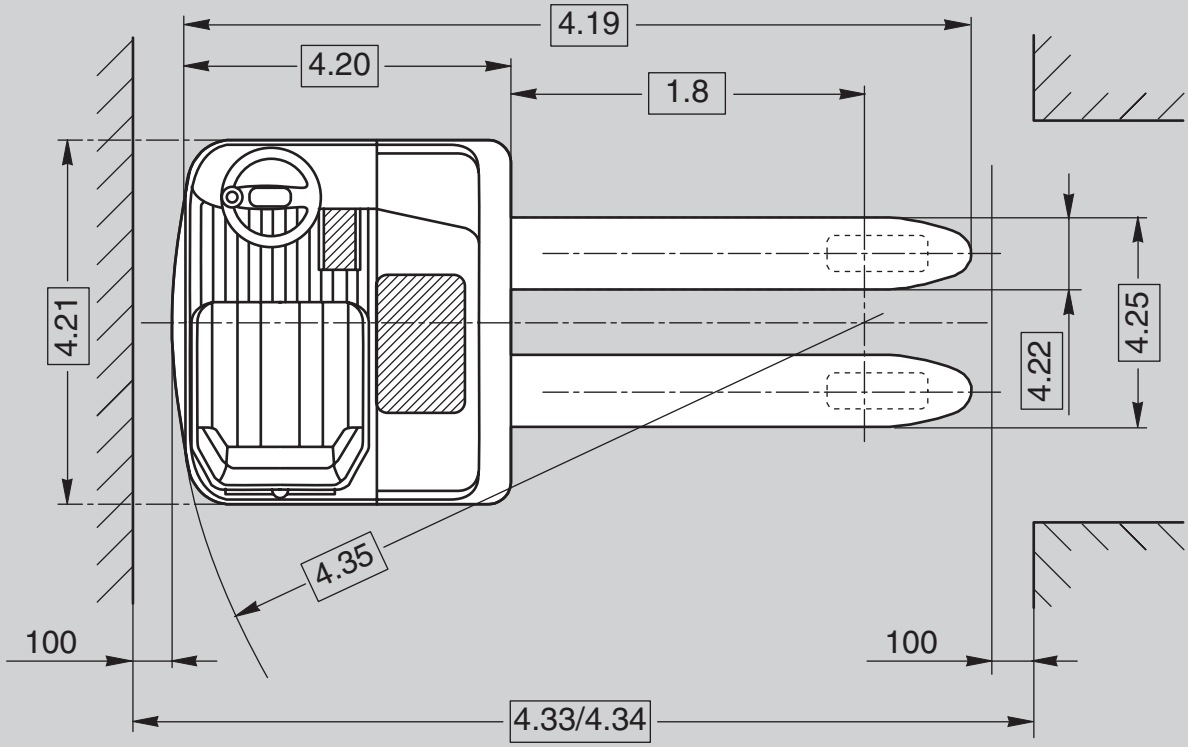
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4.20
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4.33/4.34

General Information	1.1	**Manufacturer**				Crown Equipment Corporation		
	1.2	**Model**				RT 3010	RT 3020	RT 3030
	1.3	**Prime Mover**				electric		
	1.4	**Operator Type**				stand	sit down	sit down
	1.5	**Load Capacity** ▲		Q	t	2	2.2	3.3
	1.6	**Load Centre**		c	mm	600		600/1200
	1.8	**Load Distance**	forks lowered	x	mm	748/928		965/1618
			forks raised	x	mm	702/882		873/1526
	1.9	**Wheel Base**	forks lowered	y	mm	1414/1594	1386/1563	1792/2444
			forks raised	y	mm	1368/1548	1340/1517	1700/2352
Weights	2.1	**Weight**	less battery		kg	650	600	810/970
	2.2	**Axle Load**	with load front/rear		kg	1154/1846	1173/2028	1700/3070-1757/3173
	2.3	**Axle Load**	without load front/rear		kg	700/210	764/237	1080/300-1210/330
Tyres	3.1	**Tyre Type**	D/C/L			vulkollan		
	3.2	**Wheel Size**	front		mm	Ø 260x85		Ø 343x114
	3.3	**Wheel Size**	rear		mm	Ø 85x70		
	3.4	**Additional Wheels**	castor wheel		mm	Ø 150x50		Ø 200x75
	3.5	**Wheels**	number (x = driven) front/rear			1x, 2/4		
	3.6	**Track Width**	front	b_{10}	mm	452	573	543
	3.7	**Track Width**	rear	b_{11}	mm	358	358	380
Dimensions	4.4	**Lift**		h_3	mm	130		
	4.8	**Seat Height**		h_7	mm	-	925	990
	4.9	**Truck height**		h_{14}	mm	1295	1330	1400
	4.15	**Lowered Fork Height**		h_{13}	mm	85		
	4.19	**Overall Length**	at fork length 1150 mm	l_1	mm	2000	1965	2190
	4.20	**Headlength**		l_2	mm	850	815	1040
	4.21	**Overall Width**	front	b_1	mm	770	900	950
	4.22	**Fork Dimensions**		thxwxl	mm	45x172x960/1150		70x180x1150/2350
	4.25	**Width Across Forks**		b_5	mm	530		560
	4.31	**Ground Clearance**		m_1	mm	35		51
	4.33	**Working Aisle Width**	1000 x 1200 travers lowered	Ast	mm	2075/2075	2055/2050	2280/3670*
	4.34	**Working Aisle Width**	800 x 1200 length lowered	Ast	mm	2275/2275	2255/2250	2480/3670*
	4.35	**Turning Radius**	lowered	Wa	mm	1625/1801	1603/1779	2044/2686
Performance	5.1	**Travel Speed**	with / without load		km/h	8.5 / 10		8 / 11
	5.2	**Lift Speed**	with / without load		m/s	0.02 / 0.07		
	5.3	**Lowering Speed**	with / without load		m/s	0.11 / 0.05		
	5.7	**Gradeability**	with / without load		%	8 / 17		7 / 17
	5.10	**Service Brake**				electric		hydraulic
Motors	6.1	**Traction Motor**	60 min. rating		KW	1.5		5
	6.2	**Lift Motor**	15 % on time		KW	2		2
	6.2a	**Steer Motor**	option / option / standard		KW	0,2 option		0,2
	6.3	**Max. Battery Box Size**		lxwxh		275x725x580	210x810x580	411x827x627
				lxwxh		-	215/315x855x620**	519x827x627
	6.4	**Battery Voltage**	nominal capacity 5h rating		V/ Ah	24/270L	24/270L; 440L**	48/330L;440L***
	6.5	**Battery Weight**	nominal ± 5%		kg	260/270	270/405	570
Misc.	8.1	**Type of Controller**	traction / steer			transistor / opt.transistor		transistor
	8.2	**Available Work. Pressure**			bar	140	160	150
	8.4	**Noise Level**			dB(A)	< 70		

* Load length 2400 mm

** Special “L” shaped battery box, battery changing only possible with overhead crane

*** Increases L_2 (4.20) by 110 mm

▲ Capacities on forks lengths up to 1150 mm.
Contact CROWN for capacities on extended fork lengths.

Standard Equipment

RT 3010

1. 24V electrical system.
2. SEM Traction Motor Technology.
3. On-board diagnostics with service interval counters.
4. Spring-applied, electro-magnetic released brake. Load sensing 2-stage brake system.
5. Self levelling load rollers.
6. Pivoting twin castor wheels.
7. Mosfet Transistor control.
8. Battery discharge indicator with speed reduction, integrated hourmeter and service code display.
9. Electrically height adjustable backrest.
10. Forks 960; 1150 mm.
11. Manual steering with no kickback
12. Horizontal removal of battery to one side.
13. Vulkollan® tyres.

RT 3020

1. 24V electrical system.
2. SEM Traction Motor Technology.
3. On-board diagnostics with service interval counters.
4. Spring-applied, electro-magnetic released brake. Load sensing 2-stage brake system.
5. Self levelling load rollers.
6. Pivoting twin castor wheels.
7. Mosfet Transistor control.
8. Battery discharge indicator with speed reduction, integrated hourmeter and service code display.
9. Spring loaded seat with 4 adjustments.
10. Multifunction control handle to select travel direction, raise, lower and horn.
11. Manual steering with no kickback.
12. Battery can be removed horizontally to one side or lifted out from above. On special „L“ shaped battery box, battery changing only possible by lifting.
13. Vulkollan® tyres.

RT 3030

1. 48V electrical system.
2. SEM Traction Motor Technology.
3. On-board diagnostics with service interval counters.
4. Electric power steering.
5. Regenerative braking system.
6. Pivoting twin castor wheels.
7. Mosfet Transistor control.
8. Battery discharge indicator with speed reduction, integrated hourmeter and service code display.
9. Spring loaded seat with 4 adjustments.
10. Multifunction control handle to select travel direction, raise, lower and horn.
11. Electric power steering with tilting steer wheel.
12. Battery can be removed horizontally to one side or lifted out from above.
13. Vulkollan® tyres.

Optional Equipment

RT 3010 / 3020 / 3030

1. Electric power steering for RT 3010 and 3020.
2. Fork lengths up to 3600 mm.
3. Width across forks 650 mm.
4. Battery compartment rollers.
5. Battery extractor trolley.
6. Pallet entry/exit rollers.

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.

Electrical System

Microprozessor controlled traction controller with on-board service diagnostics and storage register for fault history. High efficiency traction motor due to high frequency switching of MOSFET controller, increases battery shift life. Maximum stepless acceleration at a controlled rate. The seperately excited motor technology eliminates forward and reverse contactors and provides high torque. Regenerative motor braking saves energy and dramatically reduces brush wear and extends motor life by reducing motor temperatur. Reduced traction speed when steering is turned greater than 10°, ensures safe operation.

Drive Unit

Heavy-duty gear box with helical spur input gear for low noise. Seperate excited drive motor is mounted vertically in a well ventilated motor compartment, ensures optimum accessibility, reduced heat and contamination.

Steering

Steering effort applied by the operator is transmitted through an adjustable twin chain drive to a universal shaft on RT 3010 and 3020 models, with a clutch preventing kick back on the steering wheel.
RT3030 trucks are equipped with electrical steering system and a seperate MOSFET steering controller with on-board service diagnostics and storage register for fault history.

Fork / Lift Mechanism

Fork levelling linkage between the tandem load wheels automatically level the forks and the load when operating on uneven floors on RT3010 and RT3020.

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European Manufacturing:
Crown Gabelstapler GmbH & Co. KG
Roding, Germany
www.crown.com