

CROWN

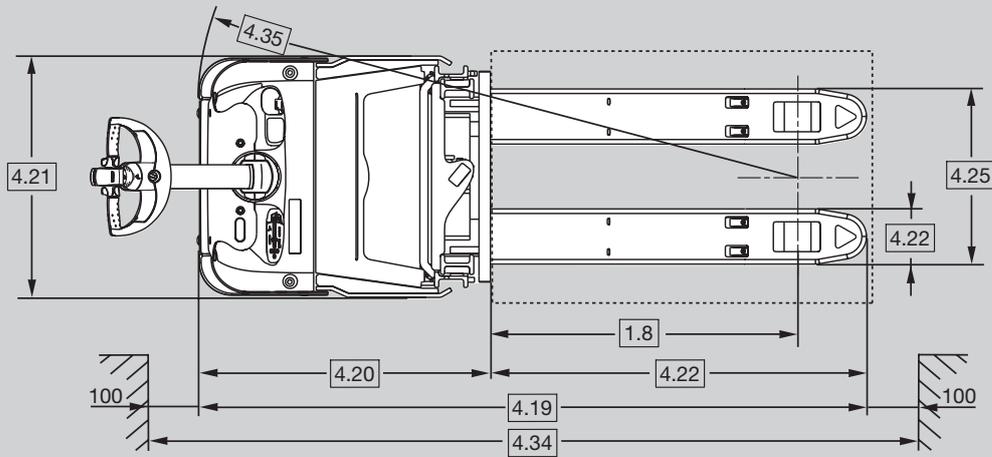
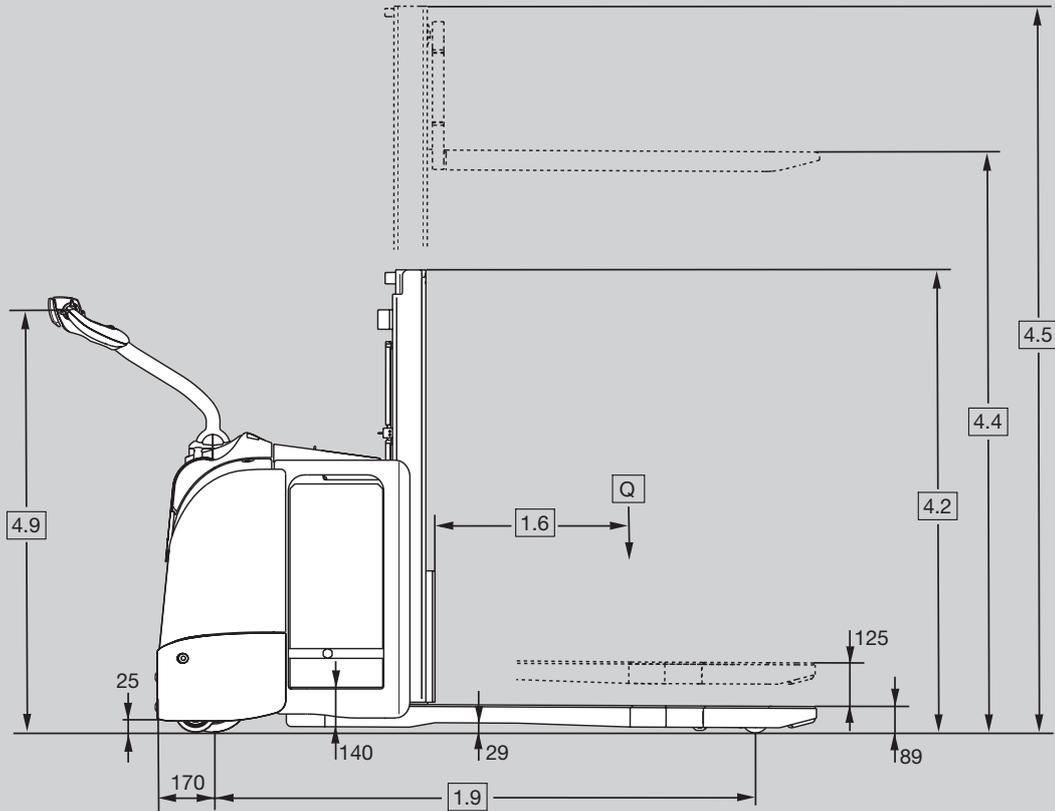
DT 3000 SERIES

Specifications

Double Stacker



DT 3040-2.0 without platform
mechanical steering



Distinguishing Mark	1.1	Manufacturer	Crown Equipment Corporation								
	1.2	Model						DT 3040-2.0			
			platform type					without platform			
			steering type					mechanical			
	1.3	Power Source						electric			
	1.4	Operator Type						pedestrian			
	1.5	Rated Capacity *		Q	t	2.0					
	1.6	Load Centre		c	mm	600					
	1.8	Load Distance	initial lift raised / lowered	x	mm	875 / 940					
1.9	Wheelbase	initial lift raised / lowered	y	mm	1521 / 1589		1593 / 1661				
Tyres/Wheels/Chassis	3.1	Tyres						Vulkollan			
	3.2	Tyre Size	front			mm	Ø 230 x 70				
	3.3	Tyre Size	rear			mm	Ø 82 x 110				
	3.4	Additional Wheels	castor wheel			mm	Ø 125 x 54				
	3.5	Wheels	number front/rear (x=driven wheels)				1x + 2/2				
	3.6	Tread	front	b10	mm	512					
	3.7	Tread	rear	b11	mm	370					
Dimensions	4.6	Initial Lift	collapsed height	h5	mm	125					
	4.9	Height Control Handle	in driving position min./max.	h14	mm	960 / 1460					
	4.10	Outtrigger		h8	mm	83					
	4.15	Fork Height	lowered	h13	mm	89					
	4.19	Overall Length	initial lift raised / lowered	l1	mm	1986 / 1968		2058 / 2040			
	4.20	Head Length	initial lift raised / lowered	l2	mm	836 / 818		908 / 890			
	4.21	Overall Width		b1	mm	744					
	4.22	Fork Dimensions	DIN ISO 2331	s/e/l	mm	60 x 186 x 1150					
	4.24	Fork Carriage Width	optional length	b3	mm	650					
	4.25	Fork Spread		b5	mm	560					
	4.31	Ground Clearance	with load below mast	m1	mm	17					
	4.32	Ground Clearance	centre wheelbase	m2	mm	29					
	4.34.1	Aisle Width	for pallets 1000 x 1200 crossways	Ast	mm	2533		2605			
4.34.2	Aisle Width	for pallets 800 x 1200 lengthways	Ast	mm	2435		2507				
4.35	Turning Radius	initial lift raised / lowered	Wa	mm	1720 / 1778		1792 / 1850				
Performance Data	5.1	Travel Speed	with / without load			km/h	6.0 / 6.0				
	5.1.1	Travel Speed Backwards	with / without load			km/h	6.0 / 6.0				
	5.2	Lift Speed	with / without load			m/s	0.18 / 0.30				
	5.3	Lowering Speed	with / without load			m/s	0.30 / 0.30				
	5.7	Gradeability	with / without load			%	6 / 15				
	5.8	Max. Gradeability	with / without load, 5 min. rating			%	6 / 15				
5.10	Service Brake						electric				
Electric Motor	6.1	Traction Motor	rating at S2 60 min. / H-class			kW	3.0				
	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	212 x 624 x 627		284 x 624 x 627		
	6.4	Battery Voltage	nominal capacity 5h rating			V/Ah	24 / 230-250		24 / 315-375		
6.5	Battery Weight			kg	201 - 223		274 - 302				
8.1	Drive Unit	drive					AC-transistor				
10.7	Sound Pressure Level	at the operator's seat				dB(A)	59				

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

Mast

	1.2	Model	DT 3040-2.0							
		Mast Type						TL	TF	
Weight	2.1	Service Weight	less battery		kg	810	840	830	860	950
	2.2	Axle Load	with load	front	kg	1225	1255	1245	1275	1320
				rear	kg	1835	1865	1855	1885	1930
	2.3	Axle Load	without load	front	kg	875	905	895	925	970
rear				kg	185	215	205	235	280	
Dimensions	4.2	Mast	collapsed height	h1	mm	1270	1430	1270	1430	1740
	4.3	Free-lift		h2	mm	-	-	-	-	1355
	4.4	Lift Height		h3+h13	mm	1670	2100	1670	2100	2600
	4.5	Mast	extended height	h4	mm	2100	2500	2100	2500	3025
	6.4	Battery Voltage	nominal capacity K5		V/Ah	24 / 230-250		24 / 315-375		

Distinguishing Mark	1.1	Manufacturer	Crown Equipment Corporation									
	1.2	Model	DT 3040-2.0									
			platform type		foldable platform				rear entry		side entry	
			steering type		mechanical		electric		mechanical		electric	
	1.3	Power Source	electric									
	1.4	Operator Type	pedestrian / stand-on				stand-on					
	1.5	Rated Capacity *	Q	t	2.0							
	1.6	Load Centre	c	mm	600							
	1.8	Load Distance	initial lift raised / lowered		x	mm	875 / 940					
1.9	Wheelbase	initial lift raised / lowered		y	mm	1593 / 1661						
Tyres/Wheels/Chassis	3.1	Tyres	Vulkollan									
	3.2	Tyre Size	front		mm	Ø 230 x 70	Ø 250 x 75	Ø 230 x 70	Ø 250 x 75			
	3.3	Tyre Size	rear		mm	Ø 82 x 110						
	3.4	Additional Wheels	castor wheel		mm	Ø 125 x 54						
	3.5	Wheels	number front/rear (x=driven wheels)				1x + 2/2					
	3.6	Tread	front	b10	mm	512						
	3.7	Tread	rear	b11	mm	370						
Dimensions	4.6	Initial Lift	collapsed height	h5	mm	125						
	4.8	Seat Height	relating to SIP / stand height	h7	mm	186		197				
	4.9	Height Control Handle	in driving position min./max.	h14	mm	1056 / 1359		1054 / 1323		1249		
	4.10	Outrigger		h8	mm	83						
	4.15	Fork Height	lowered	h13	mm	89						
	4.19	Overall Length ***	initial lift raised / lowered	l1	mm	2128 / 2588		2622		2703		
	4.20	Head Length ***	initial lift raised / lowered	l2	mm	978 / 1438		1472		1553		
	4.21	Overall Width		b1	mm	744						
	4.22	Fork Dimensions	DIN ISO 2331	s/e/l	mm	60 x 186 x 1150						
	4.24	Fork Carriage Width	optional length	b3	mm	650						
	4.25	Fork Spread		b5	mm	560						
	4.31	Ground Clearance	with load below mast	m1	mm	17						
	4.32	Ground Clearance	Centre Wheelbase	m2	mm	29						
	4.34.1	Aisle Width	for pallets 1000 x 1200 crossways	Ast	mm	2688 / 3115		3150		3240		
4.34.2	Aisle Width	for pallets 800 x 1200 lengthways	Ast	mm	2572 / 3017		3052		3142			
4.35	Turning Radius **	initial lift raised / lowered	Wa	mm	1857 / 2302		2337		2427			
Performance Data	5.1	Travel Speed	with / without load		km/h	6.5 / 10.5	9.5 / 12.5	6.8 / 10.5	9.8 / 12.5			
	5.1.1	Travel Speed Backwards	with / without load		km/h	6.5 / 10.5	9.5 / 12.5	6.8 / 10.5	9.8 / 12.5			
	5.2	Lift Speed	with / without load		m/s	0.18 / 0.30						
	5.3	Lowering Speed	with / without load		m/s	0.30 / 0.30						
	5.7	Gradeability	with / without load		%	6 / 15						
	5.8	Max. Gradeability	with / without load, 5 min. rating		%	6 / 15						
	5.10	Service Brake				electric						
Electric Motor	6.1	Traction Motor	rating at S2 60 min. / H-class		kW	3.0	4.0	3.0	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						
	6.4	Battery Voltage	nominal capacity 5h rating		V/Ah	24 / 315-375						
6.5	Battery Weight			kg	274 - 302							
8.1	Drive Unit	drive			AC-transistor							
10.7	Sound Pressure Level	at the operator's seat		dB(A)	59							

Mast

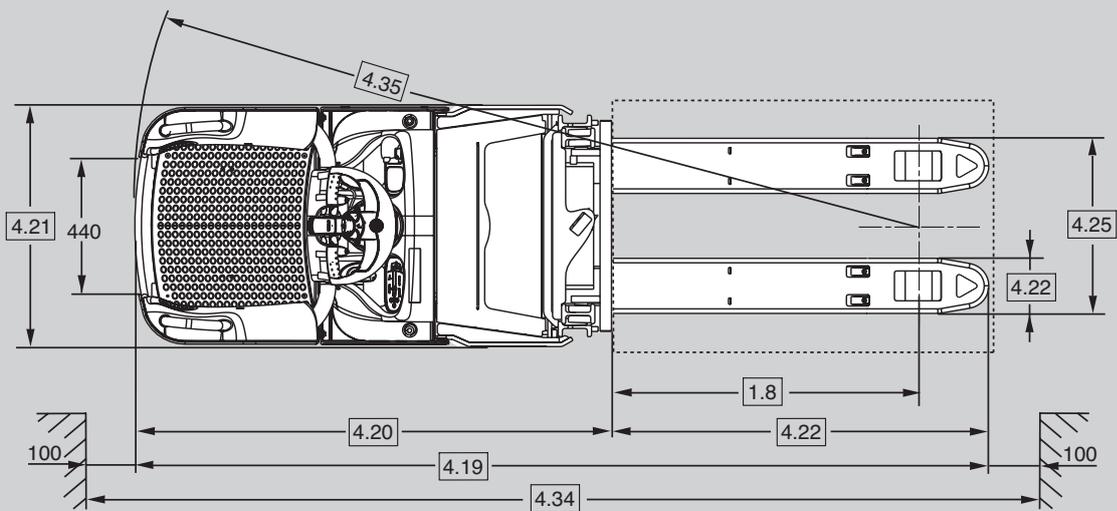
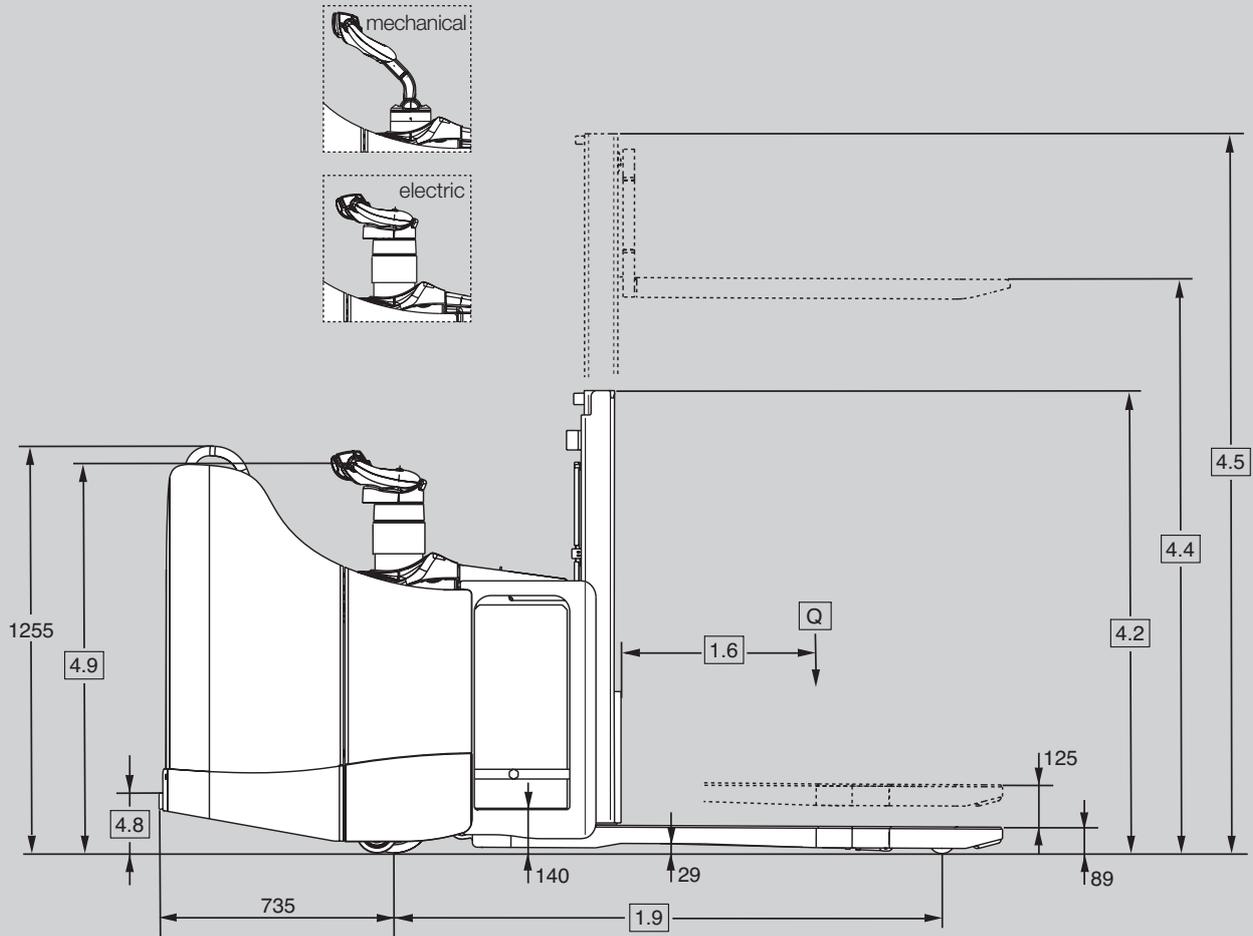
	1.2	Model	DT 3040-2.0											
			platform type		foldable platform				rear entry		side entry			
			steering type		mechanical		electric		mechanical		electric			
		Mast Type			TL	TF	TL	TF	TL					
Weight	2.1	Service Weight	less battery		kg	930	960	1050	960	990	1080	1049	1093	1078
	2.2	Axle Load	with load	front	kg	1310	1325	1370	1370	1385	1430	1418	1452	1442
				rear	kg	1920	1935	1980	1890	1905	1950	1933	1943	1938
2.3	Axle Load	without load	front	kg	960	975	1020	960	975	1020	1088	1112	1092	
			rear	kg	270	285	330	280	295	340	263	283	288	
Dimensions	4.2	Mast	collapsed height	h1	mm	1270	1430	1740	1270	1430	1740	1270	1270	1270
	4.3	Free-lift		h2	mm	-	-	1355	-	-	1355	-	-	-
	4.4	Lift Height		h3+h13	mm	1670	2100	2600	1670	2100	2600	1670		
	4.5	Mast	extended height	h4	mm	2100	2500	3025	2100	2500	3025	2100		

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

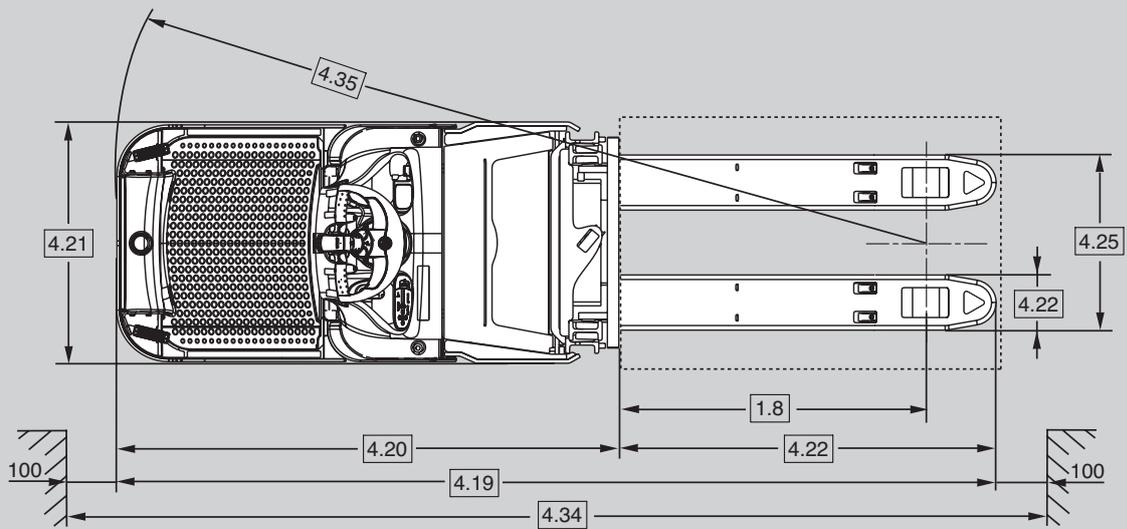
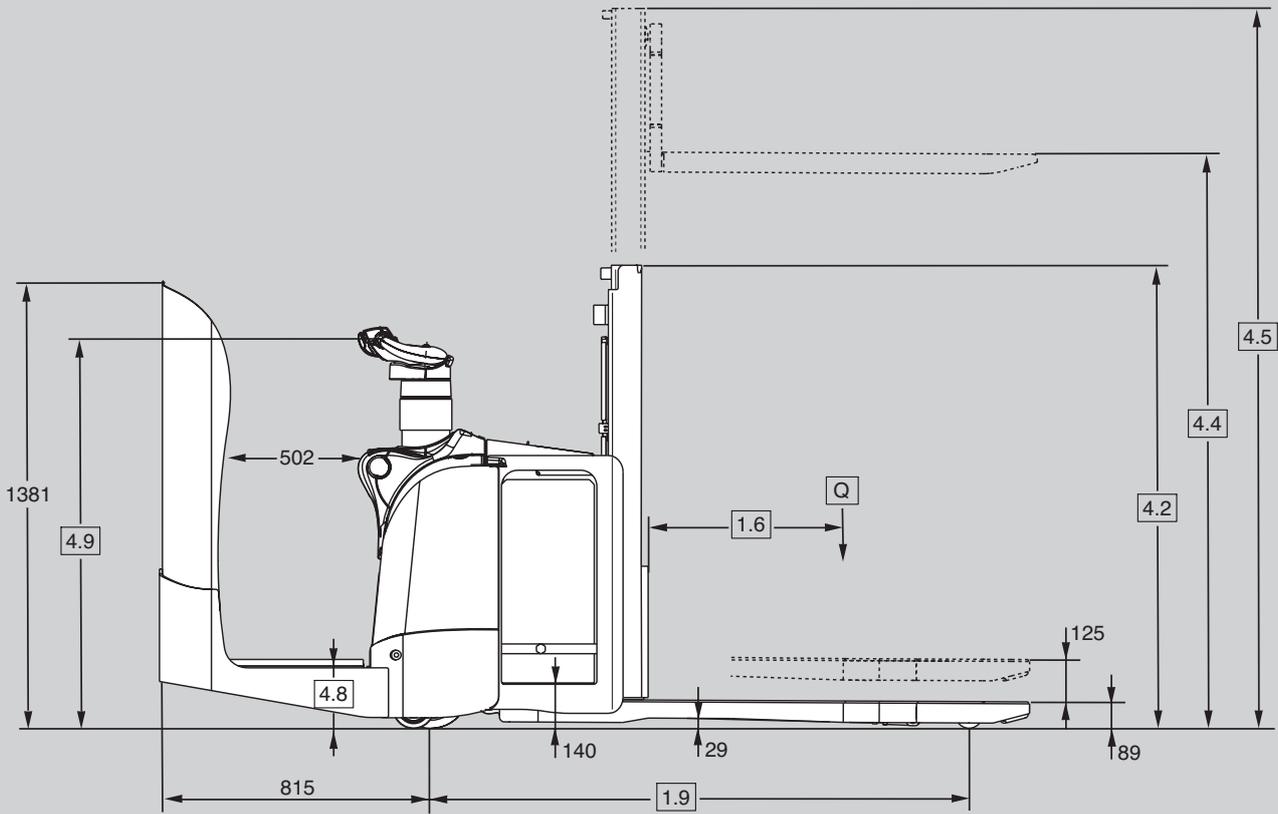
** initial lift lowered + 58 mm

***initial lift lowered - 18 mm

DT 3040-2.0 rear entry fixed platform
mechanical or electric steering



DT 3040-2.0 side entry fixed platform
electric steering



Electric System / Batteries

24-volt electrical system with nominal battery capacities 230 Ah to 375 Ah.

Standard Equipment

- Maintenance free 3-phase (AC) traction
- e-GEN® Braking System offers regenerative and frictionless electric braking. Mechanical braking applies only as parking brake
- The X10® Control Handle places all truck functions at the operator's fingertips
- Crown Access 1 2 3® Comprehensive System Control
 - LCD display
 - Hour meter
 - Keyless start up with PIN code
 - Start up and run time diagnostics
 - Battery discharge indicator and lift interrupt
 - 3 selectable traction performance profiles
 - On-board diagnostics with real time troubleshooting capabilities
- FlexRide™ reduces vibrations and shocks to a minimum by combining (foldable platform only)
 - Soft floor mat with integrated presence sensor
 - Advanced platform suspension
 - Fully suspended drive unit
- CAN-Bus technology
- Heavy-duty side restraints with soft side pads (foldable platform only)
- Electric power disconnect switch
- Vulkollan drive tyre, castor wheels and load wheels
- Single load wheels
- Ramp hold
- Battery connector - DIN 160 A
- Easily removable steel covers
- Hinged steel top battery cover for easy battery access
- Rabbit/turtle switch incorporates two levels of programmable travel performance
- Proportional lifting/lowering
- Heavy-duty castor wheels
- Fully suspended drive unit
- Soft floor mat with integrated presence sensor (platform trucks only)
- Pallet stop at initial lift for quick double stacking
- Battery compartment rollers for horizontal battery removal
- Polycarbonate mast guard
- Fork tip indicators

Optional Equipment

- Without foldable platform
- Rear entry fixed platform
- Side entry fixed platform (electric steering only)
- Weight-adjustable FlexRide™ (rear entry fixed platform only)
- Intelligent electric Steering System (platform trucks only)

- Selectable performance profiles for speed reduction in turns
 - Tactile feedback feature analyses operational conditions and adjusts steering force for optimised control
 - Active Traction System adjusts drive tyre pressure as load weight changes
- Outrigger lift/lower switches on left and right side of X10® Control Handle
 - Battery connector - SBE 160 red
 - Rubber or Supertrac drive tyre
 - Tandem load wheels
 - Heavy-duty dual castor wheels
 - Freezer conditioning
 - InfoLink® Ready
 - Key Switch
 - Keypad (not available with cold store conditioning)
 - Load backrest
 - Work Assist™ accessory tube
 - Work Assist™ Accessories
 - Storage pockets
 - Scan gun holder
 - A4 clip pad
 - Large transparent clip pad
 - Mounting brackets for WMS terminals
 - Special paint
 - Metal mast grill
 - 12 V clean power supply
 - 24 V power supply
 - Welded fork marks
 - Lithium-Ion Battery Ready

Electrical

A heavy-duty 24 volt fused electrical system provides optimum travel and lift speed. Virtually maintenance-free AC traction motor provides strong acceleration and control at any speed.

The DT 3000 Series is equipped with sensors which monitor functional parameters including steering, load weight, height, drive mode and speed, and adjusts operational settings automatically to suit conditions.

Power Unit

The DT 3000 Series is designed to take the abuse of dock work, the rugged power unit features a reinforced 10 mm thick skirt to protect drive unit and castor components. A 12 mm skirt protects the battery and lift linkage. The contoured skirt provides greater ground clearance for working on ramps. Removable steel covers all around ensure internal components are protected against impacts yet easily accessible for service.

Comfort

The DT 3000 Series incorporates numerous design features to improve operator comfort and productivity.

The folding FlexRide™ platform reduces shock transfer to the operator by more than 80 percent. Dock boards can be crossed without reducing speed. The lifetime

platform suspension never requires adjustment and features solid state induction switches to avoid reliability issues caused by contaminants.

Heavy-duty side restraints feature 50 mm heavy-wall steel tubing and rugged C-clamp mounting system. Soft polyurethane side pads are positioned for excellent support and comfort.

The robust side restraints can be easily folded up and down for convenient entry and exit.

Fixed platform models feature a patented Entry Bar Safety Switch which stops the truck if the operator's foot is outside the truck perimeter. Low step height and wide, rounded access make it easy to step on and off the truck. The rear-entry platform incorporates large side cushions for soft support in side-stance position. A contoured lean pad on the side entry platform provides a soft contact surface to lean against.

Patented weight-adjustable FlexRide™ – optional on the rear entry model – provides the ultimate rider comfort by tuning the suspension for the operator's body weight.

Available electric steering improves manoeuvrability and responsiveness, even with heavy loads. An intelligent tactile feedback feature analyses operational conditions and adjusts steering force for greater driver confidence. Combined with Active Traction and speed reduction in turns, electric steering safely delivers top driving performance.

Operator Controls

The X10® Control Handle, designed for simultaneous operation of all functions with one hand, improves side-stance operation for maximum visibility in both driving directions.

An ergonomic forward/reverse rocker allows for precise manoeuvring. The hand grips are urethane covered for insulation from cold and vibration with integrated horn buttons for easy activation.

A rabbit/turtle switch incorporates two levels of programmable travel performance so operators can select the setting that matches their experience level or application requirements.

Proportional lift and lowering allows easy and precise positioning of loads. The fast responsiveness and speeds of the lifting and lowering functions are designed to meet the high demanding double stacker applications and all this together at a low noise level.

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 technician 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 (operational hours, BDI, operator messages, event 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.

Power Unit Suspension

The power unit suspension utilises hard-plated chrome rods and sealed slide bushings for long life without adjustment. The suspension provides 60 mm of travel with constant drive tyre pressure for excellent performance on ramps. The system reduces shocks to the chassis, mounted components and the operator.

Active Traction, standard on trucks with electric steering, uses hydraulic pressure to increase traction. Reduced slipping and improved braking are especially helpful on steep or wet ramps.

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.