

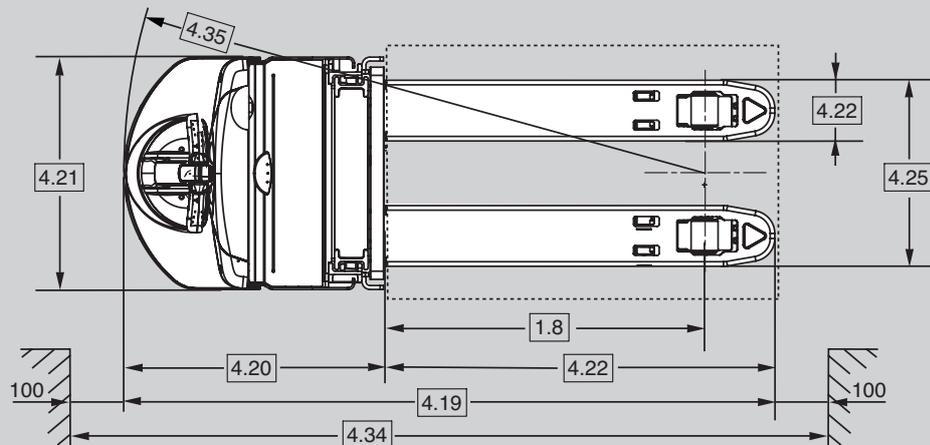
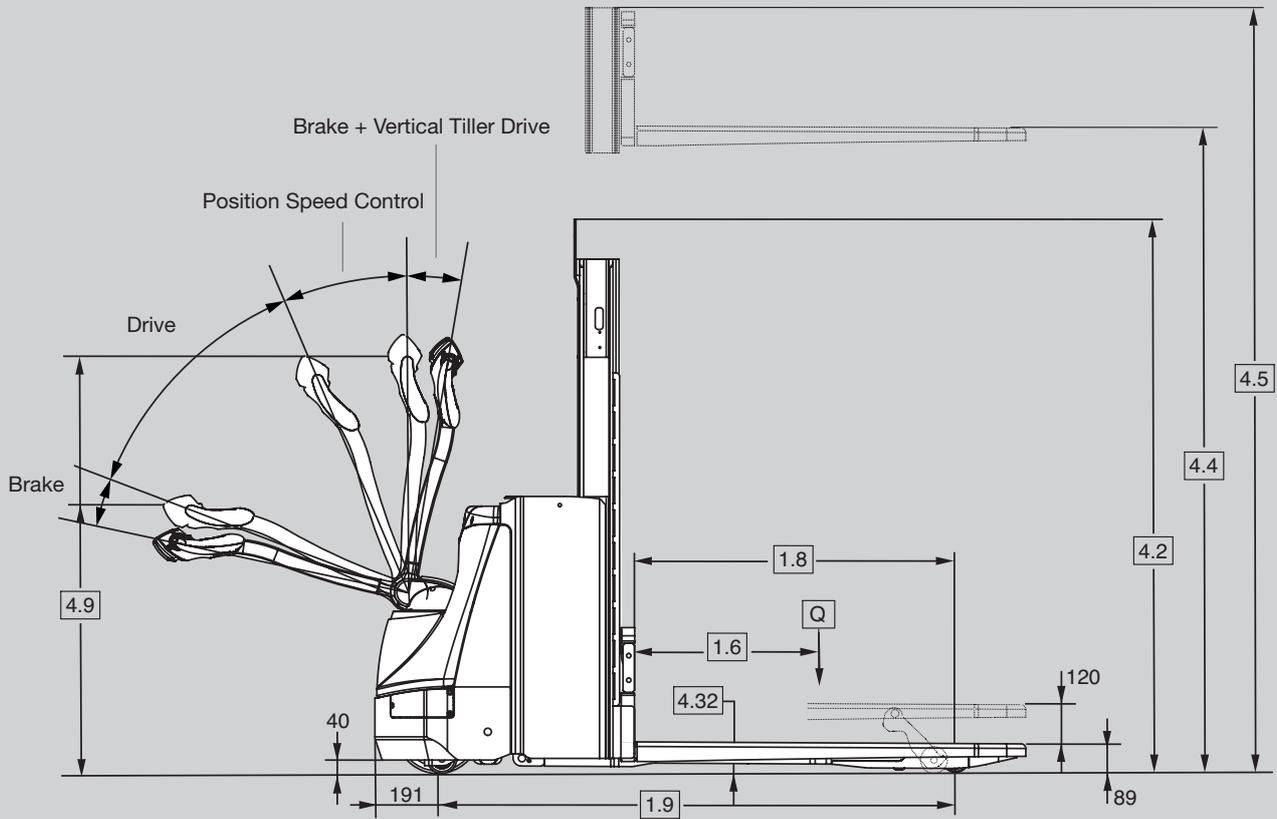
**CROWN**

# **DS 3200** SERIES

## **Specifications**

Double Stacker





Distinguishing Mark	1.1	<b>Manufacturer</b>	Crown Equipment Corporation				
	1.2	<b>Model</b>				<b>DS 3240-2.0</b>	
			platform type			without platform	
			steering type			mechanical	
	1.3	<b>Power Source</b>				electric	
	1.4	<b>Operator Type</b>				pedestrian	
	1.5	<b>Rated Capacity *</b>		Q	t	2.0	
	1.6	<b>Load Center</b>		c	mm	600	
	1.8	<b>Load Distance</b>	initial lift raised / lowered	x	mm	904 / 976	
1.9	<b>Wheelbase</b>	initial lift raised / lowered	y	mm	1501 / 1573		
Tyres/Wheels/Chassis	3.1	<b>Tyres</b>				Vulkollan	
	3.2	<b>Tyres Size</b>	front		mm	Ø 250 x 85	
	3.3	<b>Tyres Size</b>	rear		mm	Ø 82 x 100	
	3.4	<b>Additional Wheels</b>	castor wheel		mm	Ø 90 x 50	
	3.5	<b>Wheels</b>	number front/rear (x=driven wheels)			1x + 2/2	
	3.6	<b>Tread</b>	front	b10	mm	478	
	3.7	<b>Tread</b>	rear	b11	mm	374	
Dimensions	4.6	<b>Initial Lift</b>	collapsed height	h5	mm	120	
	4.9	<b>Height Control Handle</b>	in driving position min./max.	h14	mm	780 / 1197	
	4.10	<b>Outrigger</b>		h8	mm	83	
	4.15	<b>Fork Height</b>	lowered	h13	mm	89	
	4.19	<b>Overall Length</b>	initial lift raised / lowered	l1	mm	1979 / 1995	
	4.20	<b>Head Length</b>	initial lift raised / lowered	l2	mm	772 / 789	
	4.21	<b>Overall Width</b>		b1	mm	712	
	4.22	<b>Fork Dimensions</b>	DIN ISO 2331	s/e/l	mm	60 x 186 x 1190	
	4.24	<b>Fork Carriage Width</b>	optional length	b3	mm	650	
	4.25	<b>Fork Spread</b>		b5	mm	560 / 570	
	4.31	<b>Ground Clearance</b>	with Load below Mast	m1	mm	18	
	4.32	<b>Ground Clearance</b>	Centre Wheelbase	m2	mm	27	
	4.34.1	<b>Aisle Width</b>	for Pallets 1000 x 1200 crossways	Ast	mm	2568	
4.34.2	<b>Aisle Width</b>	for Pallets 800 x 1200 lengthways	Ast	mm	2401		
4.35	<b>Turning Radius</b>	initial lift raised / lowered	Wa	mm	1703 / 1765		
Performance Data	5.1	<b>Travel Speed</b>	with / without Load		km/h	5.9 / 6.0	
	5.1.1	<b>Travel Speed Backwards</b>	with / without Load		km/h	5.9 / 6.0	
	5.2	<b>Lift Speed</b>	with / without Load		m/s	0.13 / 0.23	
	5.3	<b>Lowering Speed</b>	with / without Load		m/s	0.19 / 0.21	
	5.7	<b>Gradeability</b>	with / without Load		%	10 / 25	
	5.8	<b>Max. Gradeability</b>	with / without Load, 5 min. rating		%	10 / 25	
	5.10	<b>Service Brake</b>				electric	
Electric Motor	6.1	<b>Traction Motor</b>	rating at S2 60 min. / H-class		kW	1.5	
	6.2	<b>Pump Motor</b>	rating at S3 15%		kW	1.3	
	6.3	<b>Battery</b>	according to DIN 43531/35/36 A, B, C, no				B
		<b>Max. Battery Box Size</b>		lxwxh	mm	212 x 624 x 627	
	6.4	<b>Battery Voltage</b>	nominal capacity 5h rating		V/Ah	24 / 250	
6.5	<b>Battery Weight</b>			kg	212 - 230		
8.1	<b>Drive Unit</b>	drive			AC-transistor		
10.7	<b>Sound Pressure Level</b>	at the operator's seat		dB(A)	69		

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

## Mast

	1.2	<b>Model</b>					<b>DS 3240-2.0</b>
		<b>Mast Type</b>					TL
Weight	2.1	<b>Service Weight</b>	less battery		kg	740	
			with Load	front	kg	1075	
	2.2	<b>Axle Load</b>		rear	kg	1880	
			without Load	front	kg	710	
2.3	<b>Axle Load</b>	rear		kg	245		
		Dimensions	4.2	<b>Mast</b>	collapsed height	h1	mm
Free-lift	h2				mm	240	
4.4	<b>Lift Height</b>			h3	mm	<b>2100</b>	<b>2300</b>
4.5	<b>Mast</b>		extended height	h4	mm	2497	2697

**Electric System / Batteries**

24-volt electrical system with nominal battery capacities up to 250 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
- Vulkollan drive tyre, castor wheels and load wheels
- Single load wheels
- Ramp hold
- Battery connector - SBE 160 red
- 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
- Pallet stop at initial lift for quick double stacking
- Polycarbonate mast guard
- Battery discharge indicator with lift lockout and integrated hour meter and fault code readout
- Fork tip indicators
- Key Switch
- Position Speed Control
- Vertical Tiller Drive

**Optional Equipment**

- Outrigger lift/lower switches on left and right side of X10® Control Handle
- Battery connector options
- Supertrac drive tyre
- Tandem load wheels
- InfoLink® Ready
- Key pad
- Load backrest
- Special paint
- Metal mast grill
- Fork lift switches on both sides of the mast. Max. lift height 850 mm + 120 mm initial lift. Not in combination with load backrest.
- Sealed on-board charger 30 A
- 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.

**Operator Area and 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 thumb wheel 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.

**Position Speed Control**

When operating in tight spaces such as retail stores with narrow aisles or inside lorries and elevators, the operator can move the tiller from the Travel zone to the Position Speed Control zone. The travel speed in fork direction will then be automatically reduced to 1.5 km/h without the need to come to a halt and a further command from the operator. This ensures a smooth and productive workflow while avoiding unintentional interruptions.

**Vertical Tiller Drive**

The Vertical Tiller Drive function goes one step beyond. When activated, the truck can be moved at up to 1.5 km/h even when the tiller is in vertical position by simply keeping the travel switch pressed in the desired direction. Reducing the turning radius of the truck, the system enables operators to easily move pallets. This also helps to avoid costly goods damage.

**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.