

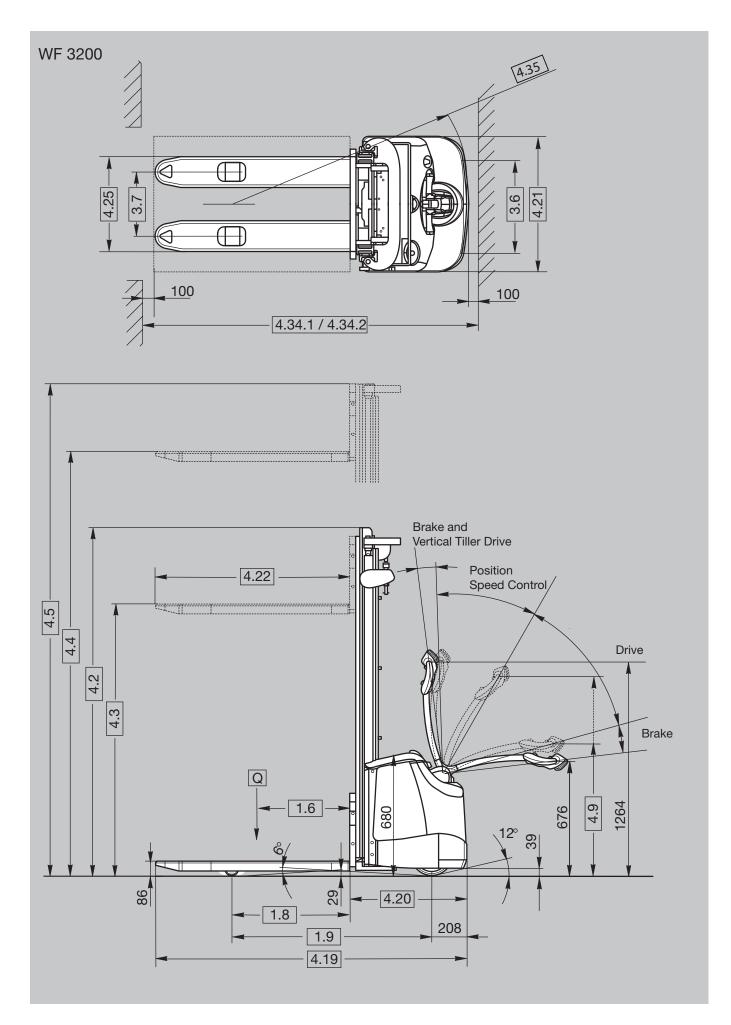
WF 3200 ST 3200 SX 3200 SERIES



Pedestrian Powered Stacker









WF 3200 Series

Specifications

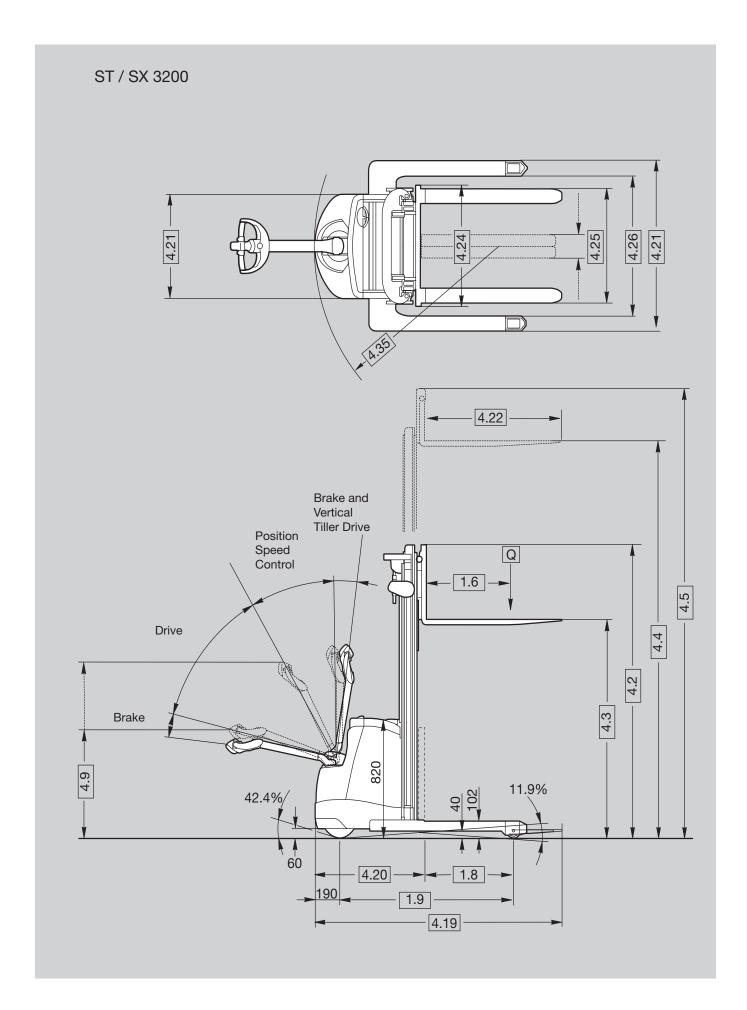
	1.1	Manufacturer					Crown Equip	ment Corpora	ition				
	1.2	Model				WF3200-1.0	WF3200-1.0	WF3200-1.0	WF3200-1.2	WF3200-1.2			
ΣĹ	1.3	Power Source				NT	TL	TF electric	TL	TF			
Shir	1.4	Operator Type						pedestrian					
igui	1.5	Rated Capacity		Q	t		1.0	podestriari	1.2				
stir	1.6	Load Centre		C	mm		1.0	600	1.2				
۱۵۲	1.8	Load Distance	+	X	mm			689					
H	1.9	Wheelbase	-	У У	mm			1182					
_	2.1	Service Weight	less battery	- y	kg			see table 1					
	2.1	Dervice Weight	· · · · · · · · · · · · · · · · · · ·	80 Ah MF	kg	564/1121	650/1198	659/1195	_	_			
	2.2			60 Ah Ind.	kg	-	712/1212	721/1209	_	_			
Weight				30 Ah Ind.	kg	_	732/1216	741/1214	741/1407	751/1404			
		Axle Load		80 Ah MF	kg	494/191	602/246	610/244	-	-			
	2.3			60 Ah Ind.	kg	-	664/260	672/258	_	_			
				30 Ah Ind.	kg	_	683/265	693/262	683/265	693/262			
\vdash	3.1	Tyres			1.5		Rubber		Vulkolla				
SSiS	3.2	-	front	+	mm		254 × 70		Ø 254 ×				
Ha	3.3	Tyre Size	rear	1	mm								
)/SE	3.4	Additional Wheels	castor wheels	_	mm			Ø 140 x 54					
اھِا	3.5	Wheels	number (x=driven wheels) front/rear	,		1x + 1/2							
res	3.6		front	b ₁₀	mm			510					
	3.7	Tread	rear	b ₁₀	mm								
_	4.2	Mast	collapsed height	h ₁	mm			see table 1					
	4.3	Free-lift	collapsed Height	h ₂	mm			see table 1					
H	4.4	Lift Height	-	h ₃	mm			see table 1					
	4.5	Mast	extended height	h ₄	mm			see table 1					
	4.9	Height Control Handle	in driving position min./max.	h ₁₄	mm			799 / 1181					
	4.15	Fork Height	lowered	h ₁₃	mm			86					
L	4.19	Overall Length	lowered	I ₁	mm			1843					
0 -	4.20	Head Length			mm			692					
le l	4.21	Overall Width	front	b ₁	mm	805							
吉	4.22	Fork Dimension	DIN ISO 2331	thxwxl	mm	170)x60x1150		186x60x1	150			
H	4.25	Fork Spread		b ₅	mm			560					
H	4.32	Ground Clearance	Centre Wheelbase	m ₂	mm			29					
	4.34.1	Aisle Width	for Pallets 1000x1200 crossways	A _{st}	mm	2310							
	4.34.2	Aisle Width	for Pallets 800x1200 lengthways	A _{st}	mm	2243							
,	4.35	Turning Radius		Wa	mm			1401					
_	5.1	Travel Speed	with / without Load		km/h		5.9 / 5.9		5.9 / 5.	.9			
	5.2	Lift Speed	with / without Load		m/s		.12 / 0.22		0.11 / 0.				
nce	5.3	Lowering Speed	with / without Load		m/s		.42 / 0.23		0.40 / 0.				
ma T	5.7	Gradeability	w. / w.o. 30 min. rating		%		4.9 / 9.1		4.4 / 8				
37	5.8	Max. Gradeability	w. / w.o. 5 min. rating		%	8	3.4 / 15.7		9.5 / 19	.4			
ے ا	5.10	Service Brake						electric					
پ	6.1	Traction Motor	rating at S2 60 min.		kW		1.5		1.5				
용	6.2	Pump Motor	rating at S3 10%		kW			2.2					
Electric Motor	6.3	Max. Battery Box Size	DIN 43535 L-shape	lxwxh	mm		111	I / 210 x 784	x 537				
	6.4	Battery Voltage	Nominal Capacity 5h rating		V/Ah	2	2x12 / 80		24 / 18	0			
		D	Naminal - F0/	$\overline{}$			=-		. = 0	-			
'	6.5	Battery Weight	Nominal + 5%		kg		72		172				

Table 1 Lift Height		WF3200-1.0										WF3200-1.2											
		N	IT			TL					TF					TL					TF		
4.2	Mast	1970	2400	1750	1970	2170	2400	2650	1750	1970	2170	2400	2650	1750	1970	2170	2400	2650	1750	1970	2170	2400	2650
4.3	Free-lift	1480	1970	180	180	180	180	180	1250	1470	1670	1910	2160	180	180	180	180	180	1250	1470	1670	1910	2160
4.4	Lift Height	1550	2000	2500	2930	3330	3800	4300	2600	3030	3430	3900	4400	2500	2930	3330	3800	4300	2600	3030	3430	3900	4400
4.5	Mast extended	1970	2400	2896	3326	3726	4196	4696	2996	3426	3826	4296	4796	2896	3326	3726	4196	4696	2996	3426	3826	4296	4796
2.1	Weight less batt.	598	619	696	717	736	759	785	702	723	742	765	790	697	718	737	760	784	703	724	743	766	789

^{*} with optional load backrest: NT/TF mast - 804 mm

^{**}with optional load backrest: NT/TL/TF mast + 804 mm







	1.1	Manufacturer				Cr	own Equipme	ent Corporation				
_						ST3200N	ST3200	SX3200	SX3200			
Destinguishing Mark	1.2	Model				1.0	1.0	1.35	1.35			
l gu	1.3	Power Source				electric						
ishi	1.4	Operator Type				pedestrain						
ngu	1.5	Rated Capacity		Q	kg	10	1000 1350					
esti	1.6	Load Centre		С	mm			600				
	1.8	Load Distance		X	mm	621	1/603		686/666			
	1.9	Wheelbase		У	mm	1:	255		1362			
	2.1	Service Weight	less battery		kg			see table 1				
	3.1	Tyres			mm	Rubber+Po	oly/Vulkollan	\ \	'ulkollan			
s s	3.2	T 0:	front		mm	Ø 254	× 100	Ø	254 × 85			
ss/Whee Chassis	3.3	Tyre Size	rear		mm			Ø 4" x 102				
Tyres/Wheels/ Chassis	3.4	Additional Wheels	castor wheels		mm		,	Ø 90 x 50				
Ž	3.5	Wheels	number (x=driven wheels) front/					1x +2 / 2				
			rear									
	4.2	Mast	collapsed height	h₁	mm			see table 1				
	4.3	Free-lift		h ₂	mm			see table 1				
	4.4	Lift Height		h ₃	mm	see table 1						
	4.5	Mast	extended height	h ₄	mm	see table 1						
	4.9	Height Control Handle	in driving position min./max.	h ₁₄	mm	790 / 1206						
	4.15	Fork Height	lowered	h ₁₃	mm	5	51		50			
	4.19	Overall Length		I ₁	mm	see table 2						
Dimensions	4.20	Head Length		l ₂	mm			see table 2				
ensi	4.21	Overall Width	front	b ₁	mm							
Ji Ji	4.00		rear	b ₂	mm	inside straddl			ddle width + 204			
	4.22	Fork Dimension	DIN ISO 2331	thxwxl	mm	38 x 76 x 1145 38 x 102 x 1150 232 - 765 252 - 785						
	4.25	Fork Spread	adjustable min./max.	b ₅	mm	232	- 765 T	2:	02 - 785			
	4.26	Inside Straddle Dimension	infinite adjustment	b ₄	mm	865-1165	965-1270	865-1165	965-1270			
	4.32	Ground Clearance	Centre Wheelbase	m ₂	mm			40				
	4.34.1	Aisle Width	for Pallets 1000x1200 crossways	A_{st}	mm			see table 2				
	4.34.2	Aisle Width	for Pallets 800x1200 lengthways	A _{st}	mm			ee table 2				
	4.35	Turning Radius		Wa	mm	14	46		1553			
ata	5.1	Travel Speed	with / without Load		km/h	5.9 / 5			/ 5.7			
е О	5.2	Lift Speed	with / without Load		m/s	0.12/0		0.14 / 0.24				
anc	5.3	Lowering Speed	with / without Load		m/s	0.22 / 0			/ 0.26			
l ä	5.7	Gradeability	w. / w.o. 30 min. rating		%	4.9 / 9	.1	4.4	/ 8.7			
Performance Data	5.8	Max. Gradeability	w. / w.o. 5 min. rating		%	8.4 / 15	5.7		19.4			
п.	5.10	Service Brake						electric				
to	6.1	Traction Motor	60 min. rating		kW	1.5						
β	6.2	Pump Motor			kW	2.2			3.0			
tric	6.3	Max. Battery Box Size	DIN 43535 / A	lxwxh	mm		49 x 613		230 x 670 x 600			
Electric Motor	6.4	Battery Voltage	Nominal Capacity 5h rating		V/Ah				/ 200			
	6.5	Battery Weight	Nominal + 5%		kg	60			21			
	8.1	Drive Unit						transistor				

Toble 1 I	_ift Height			ST 3200 / SX 3200								
Table 1 I	LIIT FIBIGITE					П	-					
4.2	Mast	collapsed height	mm	1700	1910	2110	2350	2600	1858	1858		
4.3	Free-lift		mm		150							
4.4	Lift Height		mm	2400	2820	3220	3700	4200	3900	4250		
4.5	Mast	extended height	mm	2910	3330	3730	4210	4710	4410	4760		
2.1	Weight	ST less battery	kg	792	810	828	849	871	847	847		
2.1	Weight	SX less battery	kg	955	973	991	1012	1034	1071	1071		

Toble 0 /	Viole width with dimension A/DI 210	ST 3	3200	SX 3200				
Table 2 F	Aisle width with dimension (VDI 219	0)		TL	TT	TL TT		
4.19	Overall Length		mm	1975	1993	2017	2037	
4.20	Headlength		mm	825	843	867	887	
4.34.1	Aisle Width	traverse 800x1200	mm	2360	2360	2489	2489	
4.34.1	Alsie Width	1000x1200	mm	2356	2364	2489	2489	
4.34.2	Aisle Width	traverse 1200x800	mm	2350	2364	2404	2420	
4.34.2	AISIE WIUTI	1200x1000	mm	2411	2425	2470	2485	

WF/ST/SX 3200 Series

Technical Information

Electric System / Batteries

24-volt electrical system with nominal battery capacities up to 222 Ah.

Standard Equipment

- 1. 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
- Batteries
 - WF 1.0 and ST: 80 Ah maintenance free
 - WF 1.2 and SX: 180 Ah wet industrial
 - SX: 200 Ah maintenance free
- 5. DIN 80A Rema battery connector
- 6. Onboard 30A solid state charger
- 7. Drive tyre
 - WF 1.0 and ST: Rubber - WF 1.2 and SX: Vulkollan
- 8. Vukollan Load Wheels
- 9. Castor Wheels
- 10. Ramp hold
- 11. Adjustable outriggers (ST and SX)
- 12. Polycarbonate mast guard
- 13. Storage tray above battery
- Battery discharge indicator with lift lockout and integrated hour meter and fault code readout
- 15. Fork tip indicators
- 16. Key Switch
- Rabbit/turtle switch incorporates two levels of programmable travel performance
- 18. Proportional lifting/lowering
- 19. Position Speed Control
- 20. Vertical Tiller Drive

Optional Equipment

- 1. Drive tyre
 - WF 1.0 and ST: Vulkollan and Supertrac
 - WF 1.2 and SX: Rubber and Supertrac
- 2. Tandem load wheels
- 3. Load backrest
 - WF: 750 x 1200 mm
 - ST / SX: 832 x 1200 mm
- Battery options: Maintenance free, wet industrial or lithium-ion
- 5. Battery connector SBE 160 red
- 6. Freezer conditioning
- 7. Side shifter (SX)
- 8. Flashing light
- 9. Travel alarm
- 10. Work Assist options
- 11. Fork length and fork spread options
- 12. Special paint
- 13. InfoLink® Ready
- 14. Keypad
- 15. Lithium-Ion Battery Ready

Electrical System

24-volt fused electrical system with built in 30-amp charger. This premium fan-cooled, solid-state charger is durable and efficient. It has an advanced memory feature to allow for opportunity charging and can be set for either maintenance free or industrial batteries. A retractable power cord is standard.

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 ensure high efficiency in all 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 in the upper braking zone 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 while reducing goods damage cost.

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.

Chassis

All models feature a heavy gauge one-piece welded steel frame backed by a lifetime warranty. Removable steel covers protect all critical system components. The low-profile power unit has been optimised to provide the best fork tip visibility available.

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.

