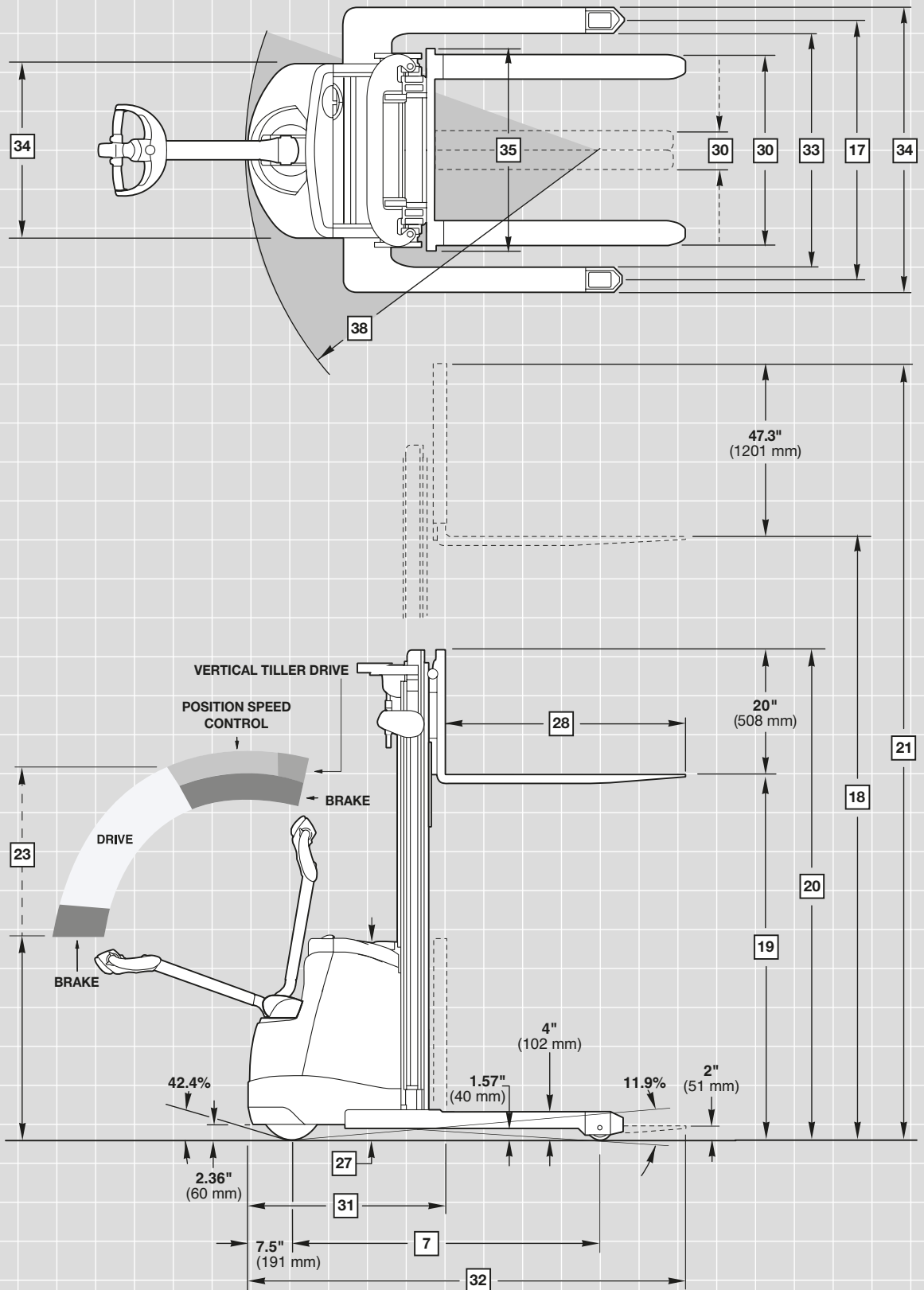


CROWN

SX 3200 SERIES

Specifications
Stackers





SX 3200-30 Model

Specifications

				Imperial	Metric	
General Information	1	Manufacturer		Crown Equipment Corporation		
	2	Model		SX 3200-30		
		Mast Type	in mm	TL-128	TL-3236	
	3	Power		Electric		
	4	Operator Type		Walkie		
	5	Load Capacity	Max	lb kg	3000	1361
	6	Load Center		in mm	24	600
	7	Wheelbase		in mm	53.6	1362
8	Weight Less Battery	Auxiliary	lb kg	2247	1019	
		No Auxiliary	lb kg	2143	972	
Tires	13	Wheel Size Front (d x w)	Poly	in mm	10 x 3.35	254 x 85
			Rubber	in mm	10 x 4	254 x 100
	14	Wheel Size Rear (d x w)	Poly	in mm	4 x 3	102 x 73
	15	Additional Wheels Caster Wheel (d x w)	Poly	in mm	3.54 x 2	90 x 50
16	Wheels Number (x=driven)	Front/Rear		1x/2		
17	Track Width	Rear	in mm	Inside Straddle + 4	Inside Straddle + 102	
18	Lift Height		in mm	127.4	3236	
18a	Capacity at Lift Height**	24" (610 mm) Load Center	lb kg	3000	1361	
		26" (660 mm) Load Center	lb kg	2700	1225	
		28" (711 mm) Load Center	lb kg	2500	1134	
		30" (762 mm) Load Center	lb kg	2250	1020	
19	Free Lift	w/o Load Backrest	in mm	6	152	
20	Collapsed Height		in mm	83	2108	
21	Extended Height	w/o Load Backrest	in mm	Lift Height + 20	Lift Height + 510	
		w/Load Backrest	in mm	Lift Height + 47.3	Lift Height + 1202	
22	Load Backrest Size		in mm	47.3 H x 32.7 W	1202 H x 832 W	
23	Tiller Arm Ht in Drive Position	Min/Max	in mm	31.1/47.5	790/1206	
24	Outrigger Height		in mm	4	100	
25	Lowered Fork Height		in mm	2	50	
27	Power Unit Height		in mm	32.28	820	
28	Fork Lengths		in mm	36/42/48	914/1067/1219	
29	Fork Dimensions	Thickness x Width	in mm	1.5 x 4	38 x 102	
30	Width Across Forks	Adjustable Min/Max	in mm	10-30.93	253.6-785.6	
31	Headlength*		in mm	34.02*	869*	
32	Overall Length			Headlength + Fork Length		
33	Inside Straddle		in mm	38-50	965-1270	
34	Overall Width	Front	in mm	28.03	712	
		Rear	in mm	Inside Straddle + 8	Inside Straddle + 204	
35	Fork Carriage Width		in mm	31.89	810	
36	Ground Clearance	w/Load below Mast	in mm	1.57	40	
		Center Wheelbase	in mm	1.57	40	
37	Turning Radius		in mm	61.14	1553	
38	Length with Outriggers		in mm	65	1651	
Performance	39	Travel Speed	w/wo Load	mph km/h	3.42/3.73	5.5/6.0
	40	Lift Speed	w/wo Load	fpm m/s	31.50/49.21	.16/.25
	41	Lowering Speed 1	w/wo Load	fpm m/s	51.18/41.34	.26/.21
			w/wo Load	fpm m/s	11.81/5.91	.06/.03
	42	Lowering Speed 2	w/wo Load, 60 min Rating	%	2.6/5.2	
			w/wo Load, 30 min Rating	%	4.4/8.7	
43	Max Gradeability	w/wo Load, 5 min Rating	%	9.5/19.4		
44	Service Brake			Electric		
Battery	45	Maximum Battery Box	L x W x H	in mm	9.1 x 26.4 x 23.62 (w/No Clearance)	230 x 670 x 600 (w/No Clearance)
	46	Battery Voltage (Nominal Capacity 6 Hour Rating)	4x 6v MF	V/Ah	24/195	
			300 Industrial	V/Ah	24/300	
	47	Type of Controller	Drive		Transistor	
48	Battery Weight (Min)	4x 6v MF	lb kg	280	127	
		300 amp hour Industrial	lb kg	280	127	

* Add 2.24" (57 mm) for sideshift option.

**Deduct 300 lb (136 kg) for sideshift option.

English conversions are approximations. Metric conversions should be done to find true values.

SX 3200-30 Model

Specifications

			Imperial	Metric		
General Information	1	Manufacturer	Crown Equipment Corporation			
	2	Model	SX 3200-30			
		Mast Type	in mm	TT-154	TT-3912	
	3	Power	Electric			
	4	Operator Type	Walkie			
	5	Load Capacity	Max	3000	1361	
	6	Load Center	in mm	24	600	
	7	Wheelbase	in mm	53.6	1362	
Tires	8	Weight Less Battery	Auxiliary	lb kg	2423	1099
			No Auxiliary	lb kg	2319	1052
	13	Wheel Size Front (d x w)	Poly	in mm	10 x 3.35	254 x 85
			Rubber	in mm	10 x 4	254 x 100
	14	Wheel Size Rear (d x w)	Poly	in mm	4 x 3	102 x 73
15	Additional Wheels Caster Wheel (d x w)	Poly	in mm	3.54 x 2	90 x 50	
16	Wheels Number (x=driven)	Front/Rear	1x/2			
17	Track Width	Rear	in mm	Inside Straddle + 4	Inside Straddle + 102	
Dimensions	18	Lift Height	in mm	154	3912	
	18a	Capacity at Lift Height**	24" (610 mm) Load Center	lb kg	3000	1361
			26" (660 mm) Load Center	lb kg	2700	1225
			28" (711 mm) Load Center	lb kg	2500	1134
			30" (762 mm) Load Center	lb kg	2250	1020
	19	Free Lift	w/o Load Backrest	in mm	53	1347
	20	Collapsed Height		in mm	73	1858
	21	Extended Height	w/o Load Backrest	in mm	Lift Height + 20	Lift Height + 510
			w/Load Backrest	in mm	Lift Height + 47.3	Lift Height + 1202
	22	Load Backrest Size		in mm	47.3 H x 32.7 W	1202 H x 832 W
	23	Tiller Arm Ht in Drive Position	Min/Max	in mm	31.1/47.5	790/1206
	24	Outrigger Height		in mm	4	100
	25	Lowered Fork Height		in mm	2	50
	27	Power Unit Height		in mm	32.28	820
	28	Fork Lengths		in mm	36/42/48	914/1067/1219
	29	Fork Dimensions	Thickness x Width	in mm	1.5 x 4	38 x 102
	30	Width Across Forks	Adjustable Min/Max	in mm	10-30.93	253.6-785.6
	31	Headlength*		in mm	34.72*	887*
	32	Overall Length		Headlength + Fork Length		
	33	Inside Straddle		in mm	38-50	965-1270
34	Overall Width	Front	in mm	28.03	712	
		Rear	in mm	Inside Straddle + 8	Inside Straddle + 204	
35	Fork Carriage Width		in mm	31.89	810	
36	Ground Clearance	w/Load below Mast	in mm	1.57	40	
37		Center Wheelbase	in mm	1.57	40	
38	Turning Radius		in mm	61.14	1553	
Performance	39	Length with Outriggers		in mm	65	1651
	40	Travel Speed	w/wo Load	mph km/h	3.42/3.73	5.5/6.0
	41	Lift Speed	w/wo Load	fpm m/s	31.50/49.21	.16/.25
	42	Lowering Speed 1	w/wo Load	fpm m/s	51.18/41.34	.26/.21
			w/wo Load	fpm m/s	11.81/5.91	.06/.03
	43	Gradeability	w/wo Load, 60 min Rating	%	2.1/4.7	
			w/wo Load, 30 min Rating	%	3.6/7.9	
44	Max Gradeability	w/wo Load, 5 min Rating	%	7.8/17.5		
45	Service Brake		Electric			
Battery	46	Maximum Battery Box	L x W x H	in mm	9.1 x 26.4 x 23.62 (w/No Clearance)	230 x 670 x 600 (w/No Clearance)
	47	Battery Voltage (Nominal Capacity 6 Hour Rating)	4x 6v MF	V/Ah	24/195	
			300 Industrial	V/Ah	24/300	
	48	Type of Controller	Drive	Transistor		
49	Battery Weight (Min)	4x 6v MF	lb kg	280	127	
		300 amp hour Industrial	lb kg	280	127	

* Add 2.24" (57 mm) for sideshift option.

**Deduct 300 lb (136 kg) for sideshift option.

English conversions are approximations. Metric conversions should be done to find true values.

SX 3200-30 Model

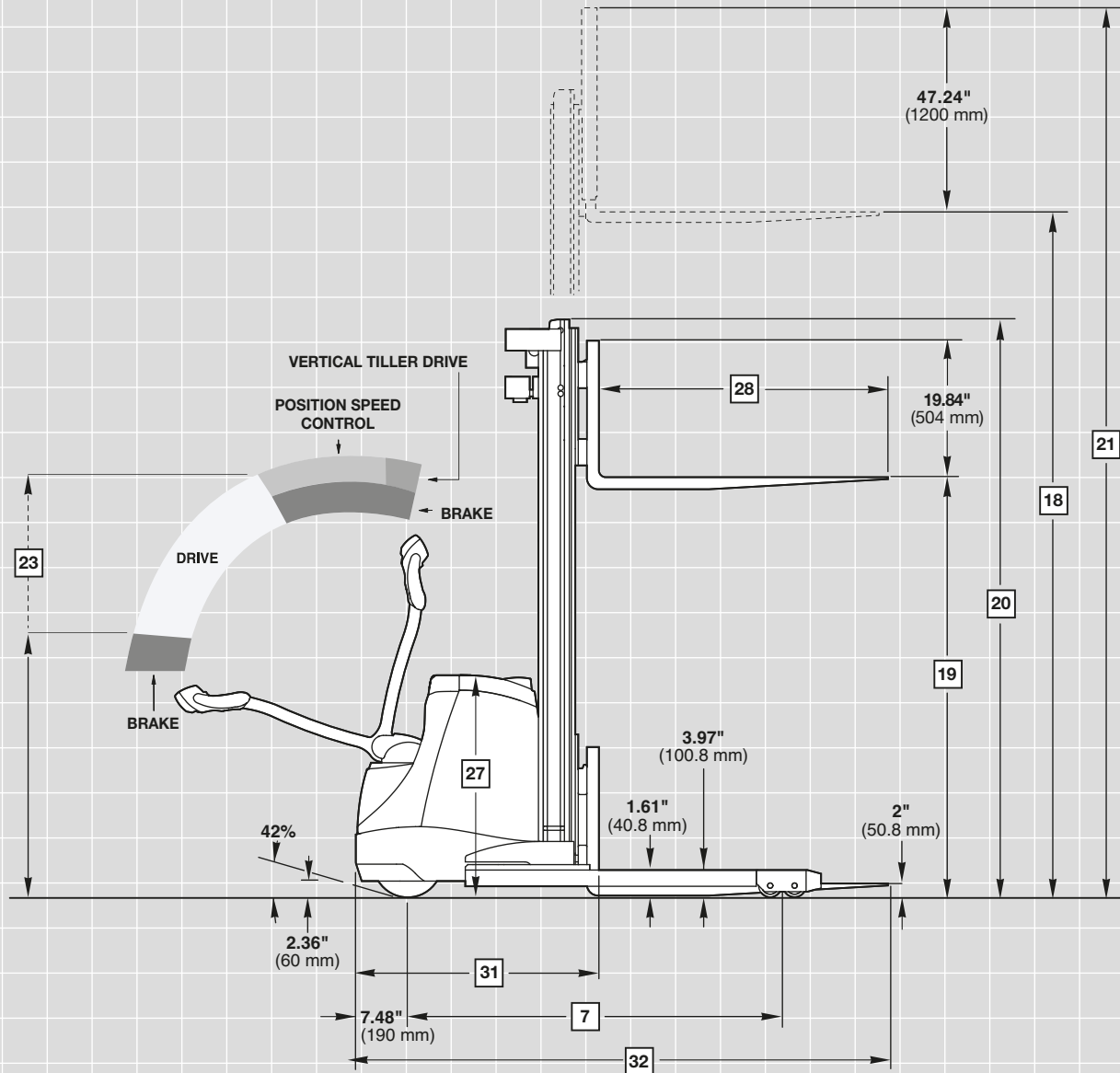
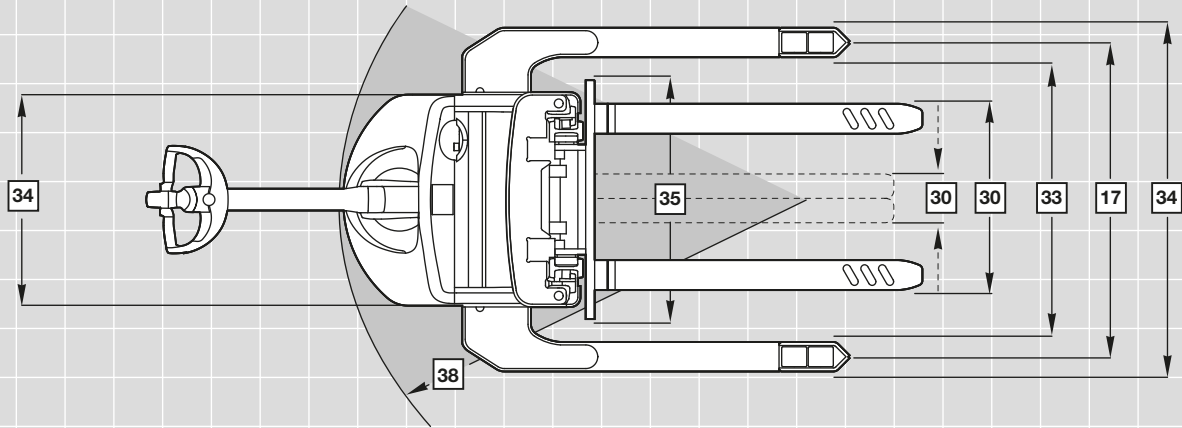
Specifications

				Imperial	Metric	
General Information	1	Manufacturer		Crown Equipment Corporation		
	2	Model		SX 3200-30		
		Mast Type	in mm	TT-168	TT-4267	
	3	Power		Electric		
	4	Operator Type		Walkie		
	5	Load Capacity	Max	lb kg	3000	1361
	6	Load Center		in mm	24	600
	7	Wheelbase		in mm	53.6	1362
8	Weight Less Battery	Auxiliary	lb kg	2423	1099	
		No Auxiliary	lb kg	2319	1052	
Tires	13	Wheel Size Front (d x w)	Poly	in mm	10 x 3.35	254 x 85
			Rubber	in mm	10 x 4	254 x 100
	14	Wheel Size Rear (d x w)	Poly	in mm	4 x 3	102 x 73
	15	Additional Wheels Caster Wheel (d x w)	Poly	in mm	3.54 x 2	90 x 50
16	Wheels Number (x=driven)	Front/Rear		1x/2		
17	Track Width	Rear	in mm	Inside Straddle + 4	Inside Straddle + 102	
18	Lift Height		in mm	168	4267	
18a	Capacity at Lift Height**	24" (610 mm) Load Center	lb kg	2500	1134	
		26" (660 mm) Load Center	lb kg	2200	998	
		28" (711 mm) Load Center	lb kg	2000	907	
		30" (762 mm) Load Center	lb kg	1750	795	
19	Free Lift	w/o Load Backrest	in mm	53	1347	
20	Collapsed Height		in mm	73	1858	
21	Extended Height	w/o Load Backrest	in mm	Lift Height + 20	Lift Height + 510	
		w/Load Backrest	in mm	Lift Height + 47.3	Lift Height + 1202	
22	Load Backrest Size		in mm	47.3 H x 32.7 W	1202 H x 832 W	
23	Tiller Arm Ht in Drive Position	Min/Max	in mm	31.1/47.5	790/1206	
24	Outrigger Height		in mm	4	100	
25	Lowered Fork Height		in mm	2	50	
27	Power Unit Height		in mm	32.28	820	
28	Fork Lengths		in mm	36/42/48	914/1067/1219	
29	Fork Dimensions	Thickness x Width	in mm	1.5 x 4	38 x 102	
30	Width Across Forks	Adjustable Min/Max	in mm	10-30.93	253.6-785.6	
31	Headlength*		in mm	34.72*	887*	
32	Overall Length			Headlength + Fork Length		
33	Inside Straddle		in mm	38-50	965-1270	
34	Overall Width	Front	in mm	28.03	712	
		Rear	in mm	Inside Straddle + 8	Inside Straddle + 204	
35	Fork Carriage Width		in mm	31.89	810	
36	Ground Clearance	w/Load below Mast	in mm	1.57	40	
37		Center Wheelbase	in mm	1.57	40	
38	Turning Radius		in mm	61.14	1553	
39	Length with Outriggers		in mm	65	1651	
Performance	40	Travel Speed	w/wo Load	mph km/h	3.42/3.73	5.5/6.0
	41	Lift Speed	w/wo Load	fpm m/s	31.50/49.21	.16/.25
	42	Lowering Speed 1	w/wo Load	fpm m/s	51.18/41.34	.26/.21
		Lowering Speed 2	w/wo Load	fpm m/s	11.81/5.91	.06/.03
	43	Gradeability	w/wo Load, 60 min Rating	%	2.1/4.7	
			w/wo Load, 30 min Rating	%	3.6/7.9	
44	Max Gradeability	w/wo Load, 5 min Rating	%	7.8/17.5		
45	Service Brake			Electric		
Battery	46	Maximum Battery Box	L x W x H	in mm	9.1 x 26.4 x 23.62 (w/No Clearance)	230 x 670 x 600 (w/No Clearance)
	47	Battery Voltage (Nominal Capacity 6 Hour Rating)	4x 6v MF	V/Ah	24/195	
			300 Industrial	V/Ah	24/300	
	48	Type of Controller	Drive		Transistor	
49	Battery Weight (Min)	4x 6v MF	lb kg	280	127	
300 amp hour Industrial		lb kg	280	127		

* Add 2.24" (57 mm) for sideshift option.

**Deduct 300 lb (136 kg) for sideshift option.

English conversions are approximations. Metric conversions should be done to find true values.



SX 3200-40 Model

Specifications

			Imperial	Metric		
General Information	1	Manufacturer	Crown Equipment Corporation			
	2	Model	SX 3200-40			
		Mast Type	in mm	TL-129	TL-3279	
	3	Power	Electric			
	4	Operator Type	Walkie			
	5	Load Capacity	Max	4000	1814	
	6	Load Center	in mm	24	600	
	7	Wheelbase	in mm	54.45	1383	
8	Weight Less Battery*	Auxiliary	lb kg	2494	1131	
		No Auxiliary	lb kg	2368	1074	
Tires	13	Wheel Size Front (d x w)	Poly	in mm	10 x 3.35	254 x 85
			Rubber	in mm	10 x 4	254 x 100
	14	Wheel Size Rear (d x w)	Poly	in mm	3.35 x 2.9 Tandem	85 x 74 Tandem
	15	Additional Wheels Caster Wheel (d x w)	Poly	in mm	3.54 x 2	90 x 50
	16	Wheels Number (x=driven)	Front/Rear	1x/2		
Dimensions	17	Track Width	Rear	in mm	Inside Straddle + 3.94	Inside Straddle + 100
	18	Lift Height		in mm	129	3279
	18a	Capacity at Lift Height**	24" (610 mm) Load Ctr.	lb kg	4000	1814
			16" (406 mm) Load Ctr.	lb kg	4000	1814
	19	Free Lift	w/o Load Backrest	in mm	4	100
	20	Collapsed Height		in mm	83.9	2130
	21	Extended Height	w/o Load Backrest	in mm	Lift Height + 21.8	Lift Height + 554
			w/Load Backrest	in mm	Lift Height + 47.3	Lift Height + 1202
	22	Load Backrest Size		in mm	47.3 H x 32.7 W	1202 H x 832 W
	23	Tiller Arm Ht in Drive Pos.	Min/Max	in mm	31.1/47.5	790/1206
	24	Outrigger Height		in mm	3.97	101
	25	Lowered Fork Height		in mm	2	51
	27	Power Unit Height		in mm	32.28	820
	28	Fork Lengths		in mm	36/42/48	914/1067/1219
	29	Fork Dimensions	Thickness x Width	in mm	1.75 x 4	44.5 x 102
	30	Width Across Forks	Adjustable Min/Max	in mm	10-30.93	254-785
	31	Headlength***		in mm	35.27	896
	32	Overall Length		Headlength + Fork Length		
	33	Inside Straddle		in mm	38-41.99	965-1066
				in mm	42-50	1067-1270
34	Overall Width	Front	in mm	28.03	712	
		Rear	in mm	Inside Straddle + 7.87	Inside Straddle + 200	
35	Fork Carriage Width		in mm	31.89	810	
36	Ground Clearance	w/Load below Mast	in mm	1.61	41	
		Center Wheelbase	in mm	1.61	41	
37	Turning Radius		in mm	61.99	1575	
Performance	39	Length with Outriggers		in mm	67.55	1716
	40	Travel Speed	w/wo Load	mph km/h	3.12/3.60	5.02/5.79
	41	Lift Speed	w/wo Load	fpm m/s	23.62/39.37	0.12/0.20
	42	Lowering Speed 1	w/wo Load	fpm m/s	59.06/39.37	0.30/0.20
			w/wo Load	fpm m/s	13.78/5.91	0.07/0.03
	43	Gradeability	w/wo Load, 60 min Rating	%		2.1/4.7
			w/wo Load, 30 min Rating	%		3.6/7.9
	44	Max Gradeability	w/wo Load, 5 min Rating	%		7.8/17.5
45	Service Brake		Electric			
Battery	46	Maximum Battery Box	L x W x H	in mm	9.1 x 26.4 x 23.62 (w/No Clearance)	230 x 670 x 600 (w/No Clearance)
	47	Battery Voltage (Nominal Capacity 6 Hour Rating)	4x 6v MF	V/Ah		24/195
			300 Industrial	V/Ah		24/300
	48	Type of Controller	Drive	Transistor		
	49	Battery Weight	4x 6v MF	lb kg	313	142
300 amp hour Industrial			lb kg	360-710	163-322	
50	Internal Charger		V/amp		120/30	

* Deduct 66 lbs (30 kg) from truck weight for 38"-41.99" straddle ID.

**No change with sideshift option.

***Add 2.24 (57 mm) for sideshift option.

Note: For Right Angle Stack information, please refer to the Right Angle Stack Calculator.

SX 3200-40 Model

Specifications

			<i>Imperial</i>	<i>Metric</i>			
General Information	1	Manufacturer	Crown Equipment Corporation				
	2	Model	SX 3200-40				
		Mast Type	in mm	TT-156	TT-3962		
	3	Power	Electric				
	4	Operator Type	Walkie				
	5	Load Capacity	Max	4000	1814		
	6	Load Center	in mm	24	600		
	7	Wheelbase	in mm	54.45	1383		
8	Weight Less Battery*	Auxiliary	lb kg	2767	1255		
		No Auxiliary	lb kg	2642	1198		
Tires	13	Wheel Size Front (d x w)	Poly	in mm	10 x 3.35	254 x 85	
			Rubber	in mm	10 x 4	254 x 100	
	14	Wheel Size Rear (d x w)	Poly	in mm	3.35 x 2.9 Tandem	85 x 74 Tandem	
	15	Additional Wheels Caster Wheel (d x w)	Poly	in mm	3.54 x 2	90 x 50	
	16	Wheels Number (x=driven)	Front/Rear	1x/2			
Dimensions	17	Track Width	Rear	in mm	Inside Straddle + 3.94	Inside Straddle + 100	
	18	Lift Height		in mm	156	3962	
	18a	Capacity at Lift Height**	24" (610 mm) Load Ctr.	lb kg	3400	1542	
			16" (406 mm) Load Ctr.	lb kg	3400	1542	
	19	Free Lift	w/o Load Backrest	in mm	50.9	1293	
	20	Collapsed Height		in mm	73.1	1858	
	21	Extended Height	w/o Load Backrest	in mm	Lift Height + 21.8	Lift Height + 554	
			w/Load Backrest	in mm	Lift Height + 47.3	Lift Height + 1202	
	22	Load Backrest Size		in mm	47.3 H x 32.7 W	1202 H x 832 W	
	23	Tiller Arm Ht in Drive Pos.	Min/Max	in mm	31.1/47.5	790/1206	
	24	Outrigger Height		in mm	3.97	101	
	25	Lowered Fork Height		in mm	2	51	
	27	Power Unit Height		in mm	32.28	820	
	28	Fork Lengths		in mm	36/42/48	914/1067/1219	
	29	Fork Dimensions	Thickness x Width	in mm	1.75 x 4	44.5 x 102	
	30	Width Across Forks	Adjustable Min/Max	in mm	10-30.93	254-785	
	31	Headlength***		in mm	36.27	921	
	32	Overall Length		Headlength + Fork Length			
	33	Inside Straddle		in mm	38-41.99	965-1066	
				in mm	42-50	1067-1270	
	34	Overall Width	Front	in mm	28.03	712	
			Rear	in mm	Inside Straddle + 7.87	Inside Straddle + 200	
	35	Fork Carriage Width		in mm	31.89	810	
	36	Ground Clearance	w/Load below Mast	in mm	1.61	41	
			Center Wheelbase	in mm	1.61	41	
	37	Turning Radius		in mm	61.99	1575	
	Performance	38	Length with Outriggers		in mm	67.55	1716
		39	Travel Speed	w/wo Load	mph km/h	3.12/3.60	5.02/5.79
40		Lift Speed	w/wo Load	fpm m/s	23.62/39.37	0.12/0.20	
42		Lowering Speed 1	w/wo Load	fpm m/s	59.06/39.37	0.30/0.20	
			w/wo Load	fpm m/s	13.78/5.91	0.07/0.03	
43		Gradeability	w/wo Load, 60 min Rating	%	2.1/4.7		
			w/wo Load, 30 min Rating	%	3.6/7.9		
44		Max Gradeability	w/wo Load, 5 min Rating	%	7.8/17.5		
45	Service Brake		Electric				
Battery	46	Maximum Battery Box	L x W x H	in mm	9.1 x 26.4 x 23.62 (w/No Clearance)	230 x 670 x 600 (w/No Clearance)	
	47	Battery Voltage (Nominal Capacity 6 Hour Rating)	4x 6v MF	V/Ah	24/195		
			300 Industrial	V/Ah	24/300		
	48	Type of Controller	Drive	Transistor			
	49	Battery Weight	4x 6v MF	lb kg	313	142	
300 amp hour Industrial			lb kg	360-710	163-322		
50	Internal Charger		V/amp	120/30			

* Deduct 66 lbs (30 kg) from truck weight for 38"-41.99" straddle ID.

**No change with sideshift option.

***Add 2.24 (57 mm) for sideshift option.

Note: For Right Angle Stack information, please refer to the Right Angle Stack Calculator.

SX 3200-40 Model

Specifications

			Imperial	Metric		
General Information	1	Manufacturer	Crown Equipment Corporation			
	2	Model	SX 3200-40			
		Mast Type	in mm	TT-168	TT-4267	
	3	Power	Electric			
	4	Operator Type	Walkie			
	5	Load Capacity	Max	4000	1814	
	6	Load Center	in mm	24	600	
	7	Wheelbase	in mm	54.45	1383	
8	Weight Less Battery*	Auxiliary	lb kg	2816	1277	
		No Auxiliary	lb kg	2690	1220	
Tires	13	Wheel Size Front (d x w)	Poly	in mm	10 x 3.35	254 x 85
			Rubber	in mm	10 x 4	254 x 100
	14	Wheel Size Rear (d x w)	Poly	in mm	3.35 x 2.9 Tandem	85 x 74 Tandem
	15	Additional Wheels Caster Wheel (d x w)	Poly	in mm	3.54 x 2	90 x 50
	16	Wheels Number (x=driven)	Front/Rear	1x/2		
Dimensions	17	Track Width	Rear	in mm	Inside Straddle + 3.94	Inside Straddle + 100
	18	Lift Height		in mm	168	4267
	18a	Capacity at Lift Height**	24" (610 mm) Load Ctr.	lb kg	3000	1361
			16" (406 mm) Load Ctr.	lb kg	3000	1361
	19	Free Lift	w/o Load Backrest	in mm	55.7	1415
	20	Collapsed Height		in mm	78	1980
	21	Extended Height	w/o Load Backrest	in mm	Lift Height + 21.8	Lift Height + 554
			w/Load Backrest	in mm	Lift Height + 47.3	Lift Height + 1202
	22	Load Backrest Size		in mm	47.3 H x 32.7 W	1202 H x 832 W
	23	Tiller Arm Ht in Drive Pos.	Min/Max	in mm	31.1/47.5	790/1206
	24	Outrigger Height		in mm	3.97	101
	25	Lowered Fork Height		in mm	2	51
	27	Power Unit Height		in mm	32.28	820
	28	Fork Lengths		in mm	36/42/48	914/1067/1219
	29	Fork Dimensions	Thickness x Width	in mm	1.75 x 4	44.5 x 102
	30	Width Across Forks	Adjustable Min/Max	in mm	10-30.93	254-785
	31	Headlength***		in mm	36.27	921
	32	Overall Length		Headlength + Fork Length		
	33	Inside Straddle		in mm	38-41.99	965-1066
				in mm	42-50	1067-1270
34	Overall Width	Front	in mm	28.03	712	
		Rear	in mm	Inside Straddle + 7.87	Inside Straddle + 200	
35	Fork Carriage Width		in mm	31.89	810	
36	Ground Clearance	w/Load below Mast	in mm	1.61	41	
		Center Wheelbase	in mm	1.61	41	
37	Turning Radius		in mm	61.99	1575	
Performance	39	Length with Outriggers		in mm	67.55	1716
	40	Travel Speed	w/wo Load	mph km/h	3.12/3.60	5.02/5.79
	41	Lift Speed	w/wo Load	fpm m/s	23.62/39.37	0.12/0.20
	42	Lowering Speed 1	w/wo Load	fpm m/s	59.06/39.37	0.30/0.20
			w/wo Load	fpm m/s	13.78/5.91	0.07/0.03
	43	Gradeability	w/wo Load, 60 min Rating	%	2.1/4.7	
			w/wo Load, 30 min Rating	%	3.6/7.9	
	44	Max Gradeability	w/wo Load, 5 min Rating	%	7.8/17.5	
45	Service Brake		Electric			
Battery	46	Maximum Battery Box	L x W x H	in mm	9.1 x 26.4 x 23.62 (w/No Clearance)	230 x 670 x 600 (w/No Clearance)
	47	Battery Voltage (Nominal Capacity 6 Hour Rating)	4x 6v MF	V/Ah	24/195	
			300 Industrial	V/Ah	24/300	
	48	Type of Controller	Drive	Transistor		
	49	Battery Weight	4x 6v MF	lb kg	313	142
300 amp hour Industrial			lb kg	360-710	163-322	
50	Internal Charger		V/amp	120/30		

* Deduct 66 lbs (30 kg) from truck weight for 38"-41.99" straddle ID.

**No change with sideshift option.

***Add 2.24 (57 mm) for sideshift option.

Note: For Right Angle Stack information, please refer to the Right Angle Stack Calculator.

SX 3200-40 Model

Specifications

			<i>Imperial</i>	<i>Metric</i>		
General Information	1	Manufacturer	Crown Equipment Corporation			
	2	Model	SX 3200-40			
		Mast Type	in mm	TT-192	TT-4899	
	3	Power	Electric			
	4	Operator Type	Walkie			
	5	Load Capacity	Max	4000	1814	
	6	Load Center	in mm	24	600	
	7	Wheelbase	in mm	54.45	1383	
8	Weight Less Battery*	Auxiliary	lb kg	2886	1309	
		No Auxiliary	lb kg	2761	1252	
Tires	13	Wheel Size Front (d x w)	Poly	in mm	10 x 3.35	254 x 85
			Rubber	in mm	10 x 4	254 x 100
	14	Wheel Size Rear (d x w)	Poly	in mm	3.35 x 2.9 Tandem	85 x 74 Tandem
	15	Additional Wheels Caster Wheel (d x w)	Poly	in mm	3.54 x 2	90 x 50
	16	Wheels Number (x=driven)	Front/Rear	1x/2		
Dimensions	17	Track Width	Rear	in mm	Inside Straddle + 3.94	Inside Straddle + 100
	18	Lift Height		in mm	192.9	4899
	18a	Capacity at Lift Height**	24" (610 mm) Load Ctr.	lb kg	2000	907
			16" (406 mm) Load Ctr.	lb kg	2000	907
	19	Free Lift	w/o Load Backrest	in mm	61.6	1565
	20	Collapsed Height		in mm	83.9	2130
	21	Extended Height	w/o Load Backrest	in mm	Lift Height + 21.8	Lift Height + 554
			w/Load Backrest	in mm	Lift Height + 47.3	Lift Height + 1202
	22	Load Backrest Size		in mm	47.3 H x 32.7 W	1202 H x 832 W
	23	Tiller Arm Ht in Drive Pos.	Min/Max	in mm	31.1/47.5	790/1206
	24	Outrigger Height		in mm	3.97	101
	25	Lowered Fork Height		in mm	2	51
	27	Power Unit Height		in mm	32.28	820
	28	Fork Lengths		in mm	36/42/48	914/1067/1219
	29	Fork Dimensions	Thickness x Width	in mm	1.75 x 4	44.5 x 102
	30	Width Across Forks	Adjustable Min/Max	in mm	10-30.93	254-785
	31	Headlength***		in mm	36.27	921
	32	Overall Length		Headlength + Fork Length		
	33	Inside Straddle		in mm	42-50	1067-1270
	34	Overall Width	Front	in mm	28.03	712
			Rear	in mm	Inside Straddle + 7.87	Inside Straddle + 200
35	Fork Carriage Width		in mm	31.89	810	
36	Ground Clearance	w/Load below Mast	in mm	1.61	41	
		Center Wheelbase	in mm	1.61	41	
38	Turning Radius		in mm	61.99	1575	
Performance	39	Length with Outriggers		in mm	67.55	1716
	40	Travel Speed	w/wo Load	mph km/h	3.12/3.60	5.02/5.79
	41	Lift Speed	w/wo Load	fpm m/s	23.62/39.37	0.12/0.20
	42	Lowering Speed 1	w/wo Load	fpm m/s	59.06/39.37	0.30/0.20
			Lowering Speed 2	w/wo Load	fpm m/s	13.78/5.91
	43	Gradeability	w/wo Load, 60 min Rating	%	2.1/4.7	
			w/wo Load, 30 min Rating	%	3.6/7.9	
	44	Max Gradeability	w/wo Load, 5 min Rating	%	7.8/17.5	
45	Service Brake		Electric			
Battery	46	Maximum Battery Box	L x W x H	in mm	9.1 x 26.4 x 23.62 (w/No Clearance)	230 x 670 x 600 (w/No Clearance)
	47	Battery Voltage (Nominal Capacity 6 Hour Rating)	4x 6v MF	V/Ah	24/195	
			300 Industrial	V/Ah	24/300	
	48	Type of Controller	Drive	Transistor		
	49	Battery Weight	4x 6v MF	lb kg	313	142
300 amp hour Industrial			lb kg	360-710	163-322	
50	Internal Charger		V/amp	120/30		

* Deduct 66 lbs (30 kg) from truck weight for 38"-41.99" straddle ID.

**No change with sideshift option.

***Add 2.24 (57 mm) for sideshift option.

Note: For Right Angle Stack information, please refer to the Right Angle Stack Calculator.

Standard Equipment

1. 24-volt fused electrical system
2. MOSFET transistorized traction control, closed loop system
3. CAN Communication link
4. AC drive motor
5. e-GEN braking system
6. Electric parking brake
7. X10 Handle
8. Position Speed Control
9. Vertical Tiller Drive
10. Display includes hour meter, discharge indicator with lift lockout and fault code readout
11. Ramp hold
12. Drive unit enclosed in high ductile strength steel frame
13. Stamped steel power unit cover
14. Safety reversing button
15. 175-amp connector with disconnect handle
16. Color-coded wiring
17. High speed cut-out at lift height
18. Two pre-programmed performance levels
19. 10" x 3.35" wide (254 x 85 mm) Poly drive tire
20. Poly load wheels 4" x 3" wide (SX 3200-30) (102 x 76 mm) 3.35" x 2.9" wide (SX 3200-40) (85 x 74 mm)
21. Adjustable outriggers
22. Battery compartment storage tray
23. Plexiglass mast guard
24. Horn
25. Key switch Anti-static strap
26. Discharge indicator with hour meter and lift lockout
27. Hydraulic thermal protection switch

Optional Equipment

1. Rubber drive tire
2. Non-marking rubber drive tire
3. Diamond siped rubber drive tire
4. Spring loaded poly casters
5. 48" (1219 mm) high load backrest
6. Freezer/corrosion conditioning
7. Keyless on/off toggle switch in lieu of key switch

8. Amber strobe light
9. Travel alarm
10. Lift limit switch with or without Override
11. Wire mesh mast guard
12. Sideshift 4" (102 mm) each way
13. Work Assist Accessories:
 - Clip pad and hook
 - Operator fan
 - Storage pocket
 - Remote raise/lower control*
14. Work Assist Options:
 - Work platform* (37.5" W x 26" L) (953 x 660 mm)
Platform options:
 - Work lights
 - Operator fan
 - Clip pad and hook
 - Adjustable load tray
 - Remote raise/lower control
 - Casters
15. InfoLink Ready

* SX 3200-30 only

Battery and Charger

Battery options are as follows:

- Maintenance-free battery pack, four 6-volt batteries at 195 amp hour
- Industrial battery - The 9.1" (231 mm) battery compartment will accept an industrial storage battery up to 300 amp hour capacity.
- V-Force Lithium-Ion Ready

A built-in 30-amp charger is required with all lead acid battery packs (not available with V-Force Lithium-Ion Ready). This premium fan-cooled, solid-state charger is durable and efficient. It has an advanced memory feature to allow for opportunity charging. The charger can be set for either maintenance free, wet cell or industrial batteries. An extension cord is included with any truck equipped with the built-in battery charger.

Operator Controls

Crown's robust X10 Handle places all controls in the optimum position for ease of operation with either hand and to minimize hand and wrist movements. An ergonomic forward/reverse thumb wheel allows for precise maneuvering.

The control hand grips are urethane covered for insulation from cold and vibration. Horn buttons are integrated into the control handle for easy activation. The handle contains a safety button which reverses the direction of the truck should the button touch the operator.

The physical efforts to hold the handle at a comfortable height was minimized to reduce fatigue, a distinct advantage. The operator is positioned to maximize the steer effort and maintain excellent visibility.

The rabbit/turtle switch incorporates two levels of programmable travel performance to match operator experience and application environment.

The position speed control enables operators to move the handle to a near vertical position while engaging traction at creep speed when maneuvering loads. The vertical tiller drive function is enabled with the handle completely vertical and allows for fine-tuned positioning in tight spaces.

Performance

The SX 3200 Series benefits from Crown's design and engineering excellence.

The transistor control module works in conjunction with a new separately excited (SEM) drive motor to provide excellent acceleration and top travel speed loaded or empty. Transistor control is programmable for specific tasks or operator skill levels.

Smooth travel and lift combine with excellent controls to reduce product damage and increase productivity.

Electrical System

A heavy-duty 24-volt fused electrical system provides good travel and lift speeds.

Separately excited motor control eliminates directional contractors reducing maintenance and downtime.

The transistor control is sealed from dirt, dust and moisture for trouble-free operation. Transistor control features include over-temperature protection, polarity protection, self-test and visible diagnostics.

Regenerative motor braking is activated under a downhill condition, during plugging or when the directional control is returned to neutral. "Regen" reduces heat build-up and extends motor brush life.

An anti-roll down feature will apply the brakes if the truck rolls without a travel command.

175-amp battery connector with standard disconnect handle.

Hydraulic System

Heavy-duty hydraulic motor (3.0 kw) with integral pump and reservoir for maximum efficiency and durability.

Proportional lift and lowering is available to the operator.

Cylinder rods are hard-plated chrome with polyurethane seals.

Relief valve tuned to capacity protects all components in the hydraulic system.

Drive Unit and Brakes

Heavy-duty gearbox with helical and spiral bevel gears for quiet operation.

Drive unit is equipped with anelectromagnetic disc brake that is spring applied and electrically released. Brake is activated by the control handle position. Brake rotor and disc are easily accessed for inspection and replacement. Regenerative motor braking assists brake effort and improves component life.

Drive unit mounts in truck frame with a permanently lubricated, twin-conical roller bearing that disperses load forces evenly, reducing maintenance and downtime.

Mast

High visibility two- and three-stage mast design features nested I-beams and canted rollers. Lift cylinders are positioned in outer I-beam profile for best visibility through the mast and clear view onto fork tips during load handling. Mast cushioning between stages ensures smooth operation. Heavy-duty mast and chain rollers are sealed and lubricated for life. Mast design allows for easy access to carriage rollers.

Fork Carriage

SX 3200 Series feature a standard 32" (813 mm) wide ITA Class II fork carriage. Forks are adjustable from 10" to 31" (254 to 787 mm). Standard fork lengths are 36", 42" and 48" (914, 1067 and 1219 mm).

Serviceability

One-piece steel power unit cover is removed easily for access to all major components.

Brake rotor and disc inspection and replacement are easy.

Drive motor brush access is excellent.

Color-coded wiring speeds troubleshooting and the transistor control module uses visible LED flashes for fault communication. Optional plug-in hand set analyzer for servicing and programming capability.

Control handle switch cap is easily removed to expose components.

Wheels and Tires

- Drive tire – Poly
10" dia x 3.35" wide
(254 x 85 mm)
- Load wheels – Poly
4" dia x 3" wide (SX 3200-30)
(102 x 76 mm)

3.35" dia x 2.9" wide tandem
(85 x 74 mm) (SX 3200-40)
- Optional poly casters are
3.5" dia x 2" wide
(89 x 51 mm)

Warning Device Options

Audible or Visual Alerts

Safety considerations and dangers associated with audible travel alarms and lights include:

- Multiple alarms and/or lights can cause confusion.
- Workers ignore the alarms and/or lights after day-in and day-out exposure.
- Operator may transfer the responsibility for "looking out" to the pedestrians.
- Annoys operators and pedestrians.

Other Options Available

Contact factory for additional options.

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.



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You can count on Crown to sell lift trucks designed for safe operation, but that's only part of the safety equation. Crown encourages safe operating practices through ongoing operator training, safety-focused supervision, maintenance and a safe working environment. Go to crown.com and view our safety section to learn more.

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