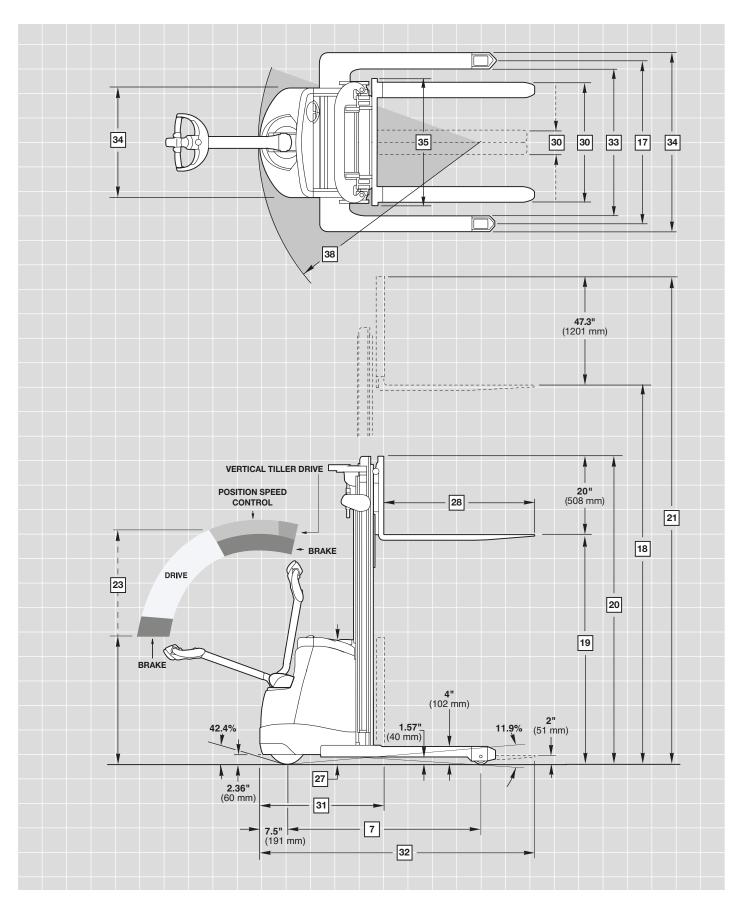


# **SERIES**

Specifications Stackers



# 



				Г	Imperial	Metric	
	1	Manufacturer			1	nent Corporation	
S	2	Model	1 1		SX 3200-30		
ati		Mast Type		in mm	TL-128	TL-3236	
Ë	3	Power			Ele	ectric	
General Information	4	Operator Type			W	alkie	
듣 [	5	Load Capacity	Max	lb kg	3000	1361	
la	6	Load Center		in mm	24	600	
Ĕ	7	Wheelbase		in mm	53.6	1362	
ຜັ	8	Weight Less Battery	Auxiliary	lb kg	2247	1019	
			No Auxiliary	lb kg	2143	972	
	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	
S	14	Wheel Size Rear (d x w)	Poly	in mm	4 x 3	102 x 73	
Tires	15	Additional Wheels	Poly	in mm	3.54 x 2	90 x 50	
	10	Caster Wheel (d x w)					
ł		Wheels Number (x=driven)	Front/Rear	in mm		x/2	
		Track Width Lift Height	Rear	in mm in mm	Inside Straddle + 4 127.4	Inside Straddle + 102 3236	
ŀ		<u> </u>	24" (610 mm) Load Center	lb kg	3000	1361	
	18a	Capacity at Lift Height**	26" (660 mm) Load Center	lb kg	2700	1225	
			28" (711 mm) Load Center	lb kg	2700	1134	
			30" (762 mm) Load Center	lb kg	2250	1020	
ł	19	Free Lift	w/o Load Backrest	in mm	6	152	
ł	20	Collapsed Height	W/O LOAd Dackrest	in mm	83	2108	
ŀ	21	Extended Height	w/o Load Backrest	in mm	Lift Height + 20	Lift Height + 510	
	21	Extended height	w/Load Backrest	in mm	Lift Height + 47.3	Lift Height + 1202	
ł	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	
Su	24	Outrigger Height		in mm	4	100	
Dimensions		Lowered Fork Height		in mm	2	50	
e		Power Unit Height		in mm	32.28	820	
<u></u>		-		in mm	36/42/48	914/1067/1219	
ן ם		Fork Dimensions	Thickness x Width	in mm	1.5 x 4	38 x 102	
Ì	30	Width Across Forks	Adjustable Min/Max	in mm	10-30.93	253.6-785.6	
ľ	31	Headlength*		in mm	34.02*	869*	
Ī	32	Overall Length			Headlength	+ Fork Length	
ľ	33	Inside Straddle		in mm	38-50	965-1270	
Ī	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	
a	40	Travel Speed	w/wo Load	mph km/h	3.42/3.73	5.5/6.0	
Performance	41	Lift Speed	w/wo Load	fpm m/s	31.50/49.21	.16/.25	
na	42	Lowering Speed 1	w/wo Load	fpm m/s	51.18/41.34	.26/.21	
5		Lowering Speed 2	w/wo Load	fpm m/s	11.81/5.91	.06/.03	
É.	43	Gradeability	w/wo Load, 60 min Rating	%		6/5.2	
٦́	A A	Max Gradaability	w/wo Load, 30 min Rating	%		4/8.7	
ł	44	Max Gradeability Service Brake	w/wo Load, 5 min Rating	%		/19.4	
_	45				9.1 x 26.4 x 23.62	ectric	
	46	Maximum Battery Box	LxWxH	in mm	9.1 x 26.4 x 23.62 (w/No Clearance)	230 x 670 x 600 (w/No Clearance)	
2	47	Battery Voltage (Nominal	4x 6v MF	V/Ah	1 /	/195	
battery	47	Capacity 6 Hour Rating)	300 Industrial	V/An V/Ah		/300	
al	48	Type of Controller	Drive	v// ul		nsistor	
┛╎	49	Battery Weight (Min)	4x 6v MF	lb kg	280	127	
	49	Dattery weight (will)	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

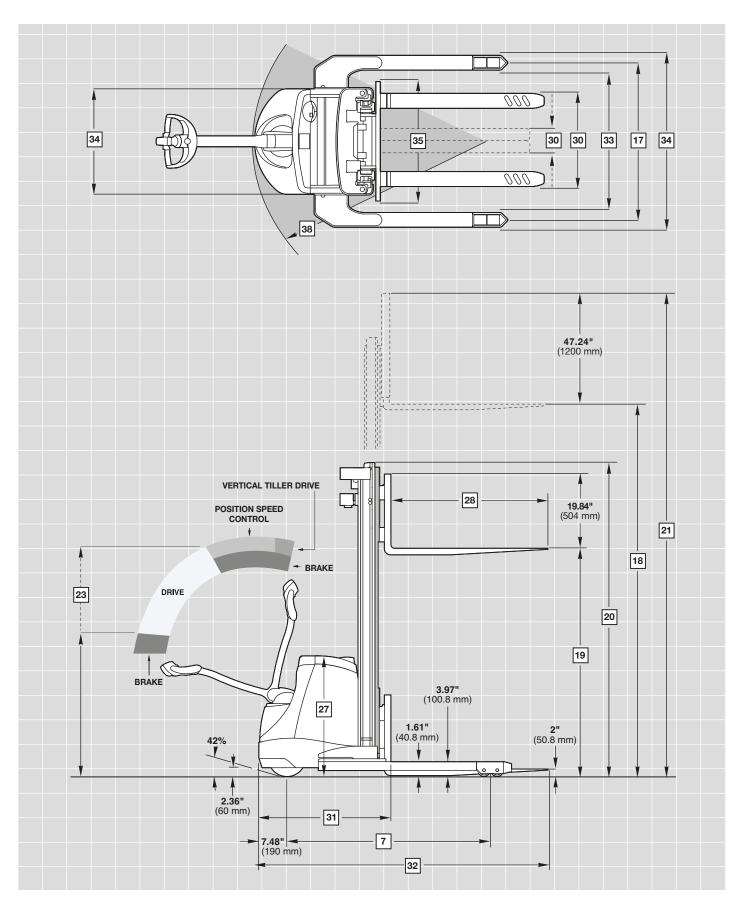
				Г	Imperial	Metric
	1	Manufacturer				ent Corporation
_ c	2	Manufacturer				200-30
<u>E</u> :				in mm	<b>37.3</b> TT-154	TT-3912
na	0	Mast Type Power		in mm		
Ĕ	3					ctric
Ĕ	4	Operator Type				alkie
	5		Max	lb kg	3000	1361
General Information	6			in mm	24	600
Š	7	Wheelbase		in mm	53.6	1362
Ğ	8	Weight 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
s	14	Wheel Size Rear (d x w)	Poly	in mm	4 x 3	102 x 73
Tires	10	Additional Wheels	Dah		0.540	00 50
-	15	Caster Wheel (d x w)	Poly	in mm	3.54 x 2	90 x 50
ĺ	16	Wheels Number (x=driven)	Front/Rear		1:	x/2
ľ	17	Track Width	Rear	in mm	Inside Straddle + 4	Inside Straddle + 102
	18	Lift Height		in mm	154	3912
ŀ	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
ł	19	Free Lift	w/o Load Backrest	in mm	53	1347
ŀ	20	Collapsed Height		in mm	73	1858
ŀ	21		w/o Load Backrest	in mm	Lift Height + 20	Lift Height + 510
	21	Extended Height	w/Load Backrest	in mm	Lift Height + 47.3	Lift Height + 1202
ŀ	22	Load Backrest Size	W/LOAU BACKIESI	in mm	47.3 H x 32.7 W	1202 H x 832 W
ŀ	22		Min/Max			
SC	-		IVIII I/IVIAX	in mm	31.1/47.5	790/1206 100
.ē	24	Outrigger Height		in mm	4	
Su	25	0		in mm	2	50
Dimensions	27	Power Unit Height		in mm	32.28	820
ā		Fork Lengths		in mm	36/42/48	914/1067/1219
	29		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			in mm	34.72*	887*
	32	· · · · · · · · · · · · · · · · · · ·				+ 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
_	40	Travel Speed	w/wo Load	mph km/h	3.42/3.73	5.5/6.0
8	41	Lift Speed	w/wo Load	fpm m/s	31.50/49.21	.16/.25
an	40	Lowering Speed 1	w/wo Load	fpm m/s	51.18/41.34	.26/.21
ΞI	42	Lowering Speed 2	w/wo Load	fpm m/s	11.81/5.91	.06/.03
9	43	Gradeability	w/wo Load, 60 min Rating	%	2.1	/4.7
Performance	-	· · · · ·	w/wo Load, 30 min Rating	%	3.6	6/7.9
-	44	Max Gradeability	w/wo Load, 5 min Rating	%		/17.5
ľ	45	-				ctric
	46		LxWxH	in mm	9.1 x 26.4 x 23.62 (w/No Clearance)	230 x 670 x 600 (w/No Clearance)
2	47	Battery Voltage (Nominal	4x 6v MF	V/Ah	1	/195
Ē	47	Capacity 6 Hour Rating)	300 Industrial	V/An V/Ah		/300
Battery	10			V/AII		
m	48	Type of Controller	Drive	lb las		sistor 107
	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.

				Г	Imperial	Metric
	1	Manufacturer				ient Corporation
ç	2	Model				200-30
fi	2	Mast Type		in mm	TT-168	Π-4267
۳ ا	3	Power				ectric
General Information	4	Operator Type				alkie
Ľ	5	Load Capacity	Мах	lb kg	3000	1361
a		Load Center	Wax	in mm	24	600
ē	7	Wheelbase		in mm	53.6	1362
ě			Auxiliary		2423	1099
0	8	Weight Less Battery	No Auxiliary	lb kg Ib kg	2319	1052
	10		Poly		10 x 3.35	254 x 85
	13	Wheel Size Front (d x w)	Rubber	in mm	10 x 4	254 x 100
ł	- 1 /	Wheel Size Deer (d.y. yr)	Poly	in mm		102 x 73
Tires	14	Wheel Size Rear (d x w) Additional Wheels	Poly	in mm	4 x 3	102 X 73
╞╡	15	Caster Wheel (d x w)	Poly	in mm	3.54 x 2	90 x 50
ł	16	Wheels Number (x=driven)	Front/Rear		4	x/2
ł		Track Width	Rear	in mm	Inside Straddle + 4	Inside Straddle + 102
		Lift Height	Tieal	in mm	168	4267
			24" (610 mm) Load Center	lb kg	2500	1134
	iða	Capacity at Lift Height**	26" (660 mm) Load Center	lb kg	2200	998
			28 (660 mm) Load Center	lb kg	2200	998
			- ( )		1750	795
ł	10	Free Lift	30" (762 mm) Load Center w/o Load Backrest	lb kg	53	1347
ŀ			W/O LOAD BACKIESI	in mm	73	1858
ł	20	Collapsed Height		in mm		
	21	Extended Height	w/o Load Backrest	in mm	Lift Height + 20	Lift Height + 510
ŀ		Lead Dealers at Cine	w/Load Backrest	in mm	Lift Height + 47.3	Lift Height + 1202
ł	22	Load Backrest Size	N A' - /N A -	in mm	47.3 H x 32.7 W	1202 H x 832 W
SC	23	Tiller Arm Ht in Drive Position	Min/Max	in mm	31.1/47.5	790/1206
Dimensions	24	Outrigger Height		in mm	4	100
Su				in mm	2	50
۳ ۳	27	Power Unit Height		in mm	32.28	820
		Fork Lengths		in mm	36/42/48	914/1067/1219
	-	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				+ Fork Length
-	33	Inside Straddle		in mm	38-50	965-1270
	34	Overall Width	Front	in mm	28.03	712
	0.5		Rear	in mm	Inside Straddle + 8	Inside Straddle + 204
	35	Fork Carriage Width		in mm	31.89	810
ŀ	36	Ground Clearance	w/Load below Mast	in mm	1.57	40
	37	Truncing Decline	Center Wheelbase	in mm	1.57	40
	38	Turning Radius		in mm	61.14	1553
ŀ	39	Length with Outriggers		in mm	65	1651
0	40	Travel Speed	w/wo Load	mph km/h	3.42/3.73	5.5/6.0
Performance	41	Lift Speed	w/wo Load	fpm m/s	31.50/49.21	.16/.25
٦a	42	Lowering Speed 1	w/wo Load	fpm m/s	51.18/41.34	.26/.21
5		Lowering Speed 2	w/wo Load	fpm m/s	11.81/5.91	.06/.03
ť.	43	Gradeability	w/wo Load, 60 min Rating	%		/4.7
า้		Marco and a little	w/wo Load, 30 min Rating	%		6/7.9
	44	Max Gradeability	w/wo Load, 5 min Rating	%		/17.5
	45					ctric
	46	Maximum Battery Box	LxWxH	in mm	9.1 x 26.4 x 23.62	230 x 670 x 600
					(w/No Clearance)	(w/No Clearance)
Battery	47	Battery Voltage (Nominal	4x 6v MF	V/Ah		/195
tie		Capacity 6 Hour Rating)	300 Industrial	V/Ah		/300
ñ	48	Type of Controller	Drive			sistor
	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.

# 



					Imperial	Metric	
	1	Manufacturer			Crown Equipment Corporation		
no	2	Model			SX 3200-40		
ati		Mast Type		in mm	TL-129	TL-3279	
E	3	Power			Elec	otric	
Į	4	Operator Type			Wa	lkie	
-	5	Load Capacity	Max	lb kg	4000	1814	
ra	6	Load Center		in mm	24	600	
General Information	7	Wheelbase		in mm	54.45	1383	
Ğ	8	Weight Less Battery*	Auxiliary	lb kg	2494	1131	
			No Auxiliary	lb kg	2368	1074	
	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	
ŝ	14	Wheel Size Rear (d x w)	Poly	in mm	3.35 x 2.9 Tandem	85 x 74 Tandem	
Tires	15	Additional Wheels	Poly	in mm	3.54 x 2	90 x 50	
		Caster Wheel (d x w)	-				
		Wheels Number (x=driven)			1x		
	17	Track Width	Rear	in mm	Inside Straddle + 3.94	Inside Straddle + 100	
		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	
		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	
		Tiller Arm Ht in Drive Pos.	Min/Max	in mm	31.1/47.5	790/1206	
	24	Outrigger Height		in mm	3.97	101	
Dimensions	25	Lowered Fork Height		in mm	2	51	
sic	27	Power Unit Height		in mm	32.28	820	
en		Fork Lengths		in mm	36/42/48	914/1067/1219	
i	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				Headlength +		
	33	Inside Straddle		in mm	38-41.99	965-1066	
				in mm	42-50	1067-1270	
	34	Overall Width	Front	in mm	28.03 Inside Straddle + 7.87	712	
	05		Rear	in mm		Inside Straddle + 200	
	35	Fork Carriage Width		in mm	31.89	810	
	36 37	Ground Clearance	w/Load below Mast	in mm	1.61	41 41	
		Turning Radius		in mm in mm	1.61 61.99	1575	
	30 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	
ð	40	Lift Speed	w/wo Load	fpm m/s	23.62/39.37	0.12/0.20	
JUC		Lowering Speed 1	w/wo Load	fpm m/s	59.06/39.37	0.30/0.20	
Performance	42	Lowering Speed 2	w/wo Load	fpm m/s	13.78/5.91	0.07/0.03	
ē	43	Gradeability	w/wo Load, 60 min Rating	%	2.1/		
er	40	Gradeability	w/wo Load, 30 min Rating	%	3.6/		
ш.	44	Max Gradeability	w/wo Load, 5 min Rating	%	7.8/		
	45	Service Brake	,		Elec		
	46	Maximum Battery Box	L×W×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	4x 6v MF	V/Ah	24/		
ery	- 1	Capacity 6 Hour Rating)	300 Industrial	V/Ah	24/3		
Battery	48		Drive		Trans		
ä	49	Battery Weight	4x 6v MF	lb kg	313	142	
			300 amp hour Industrial	lb kg	360-710	163-322	
		Internal Charger	· ·	V/amp	120		

\* 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

					Imporial	Metric
	1	Manufacturer			Imperial Crown Equipm	ent Corporation
_	2	Model				00-40
ti		Mast Type		in mm		TT-3962
na	3	Power				tric
r	4					lkie
<u>u</u>		Operator Type	N/	lle Liei		
	5	Load Capacity	Max	lb kg	4000	1814
General Information	-			in mm	24	600
	7	Wheelbase		in mm	54.45	1383
0	8	Weight Less Battery*	Auxiliary	lb kg	2767	1255
			No Auxiliary	lb kg	2642	1198
	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
ŝ	14	Wheel Size Rear (d x w)	Poly	in mm	3.35 x 2.9 Tandem	85 x 74 Tandem
Tires	15		Poly	in mm	3.54 x 2	90 x 50
		Caster Wheel (d x w)	,			
		Wheels Number (x=driven)				:/2
	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
		C C	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
S	25	Lowered Fork Height		in mm	2	51
p	27	Power Unit Height		in mm	32.28	820
Dimensions		Fork Lengths		in mm	36/42/48	914/1067/1219
ne	29	Fork Dimensions	Thickness x Width	in mm	1.75 x 4	44.5 x 102
ä	30	Width Across Forks	Adjustable Min/Max	in mm	10-30.93	254-785
_	31	Headlength***		in mm	36.27	921
	32	-			Headlength +	
	33	Inside Straddle		in mm	38-41.99	965-1066
	00			in mm	42-50	1067-1270
	34	Overall Width	Front	in mm	28.03	712
	34		Rear	in mm	Inside Straddle + 7.87	Inside Straddle + 200
	35	Fork Carriage Width	neai	in mm	31.89	810
	36	Fork Carriage Width	w/Load below Mast		1.61	41
	37	Ground Clearance	Center Wheelbase	in mm in mm	1.61	41
		Turning Radius		in mm	61.99	1575
_						
	39	Length with Outriggers Travel Speed	w/wolood	in mm	67.55	1716
e	40		w/wo Load	mph km/h	3.12/3.60	5.02/5.79
2 L	41	Lift Speed	w/wo Load	fpm m/s	23.62/39.37	0.12/0.20
na	42	<b>•</b> •	w/wo Load	fpm m/s	59.06/39.37	0.30/0.20
Lo lo		Lowering Speed 2	w/wo Load	fpm m/s	13.78/5.91	0.07/0.03
Performance	43	Gradeability	w/wo Load, 60 min Rating	%	2.1/	
٩		Mars Original and the	w/wo Load, 30 min Rating	%	3.6/	
	44	Max Gradeability	w/wo Load, 5 min Rating	%	7.8/	
	45	Service Brake				otric
	46	Maximum Battery Box	L×W×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	4x 6v MF	V/Ah	24/	195
E		Capacity 6 Hour Rating)	300 Industrial	V/Ah		300
Battery	48	Type of Controller	Drive		Trans	
ö	49	Battery Weight	4x 6v MF	lb kg	313	142
_	.0					
			300 amp hour Industrial	lb kg	360-710	163-322

\* 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.

				Г	Imperial	Metric	
	1	Manufacturer			•	ent Corporation	
E	2	Model			SX 3200-40		
General Information		Mast Type		in mm	TT-168	TT-4267	
Ë.	3	Power			Elec	otric	
l d	4	Operator Type			Wa	Ikie	
2	5	Load Capacity	Max	lb kg	4000	1814	
ra	6	Load Center		in mm	24	600	
e e	7	Wheelbase		in mm	54.45	1383	
မီ	8	Weight Less Battery*	Auxiliary	lb kg	2816	1277	
		0	No Auxiliary	lb kg	2690	1220	
	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	
ŝ	14	Wheel Size Rear (d x w)	Poly	in mm	3.35 x 2.9 Tandem	85 x 74 Tandem	
Tires	15	Additional Wheels	Poly	in mm	3.54 x 2	90 x 50	
		Caster Wheel (d x w)	,		5.04 × 2	30 × 30	
		Wheels Number (x=driven)	Front/Rear		1x		
	17	Track Width	Rear	in mm	Inside Straddle + 3.94	Inside Straddle + 100	
		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	
		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	
		Tiller Arm Ht in Drive Pos.	Min/Max	in mm	31.1/47.5	790/1206	
	24	Outrigger Height		in mm	3.97	101	
Su	25	Lowered Fork Height		in mm	2	51	
sio	27	Power Unit Height		in mm	32.28	820	
Dimensions		Fork Lengths		in mm	36/42/48	914/1067/1219	
<u> </u>	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	•			Headlength +		
	33	Inside Straddle		in mm	38-41.99	965-1066	
		0	-	in mm	42-50	1067-1270	
	34	Overall Width	Front	in mm	28.03	712	
	0.5		Rear	in mm	Inside Straddle + 7.87	Inside Straddle + 200	
	35	Fork Carriage Width		in mm	31.89	810	
	36 37	Ground Clearance	w/Load below Mast	in mm	1.61	41	
		Turning Dedius	Center Wheelbase	in mm	<u>1.61</u> 61.99	41 1575	
	38 39	Turning Radius		in mm			
	39 40	Length with Outriggers Travel Speed	w/wo Load	mph km/h	67.55 3.12/3.60	1716 5.02/5.79	
ø	41	Lift Speed	w/wo Load	fpm m/s	23.62/39.37	0.12/0.20	
ŭ		Lowering Speed 1	w/wo Load	fpm m/s	59.06/39.37	0.30/0.20	
Performance	42	Lowering Speed 2	w/wo Load	fpm m/s	13.78/5.91	0.07/0.03	
ē	43	Gradeability	w/wo Load, 60 min Rating	ipin 11/5	2.1/		
Per	40	Gradeability	w/wo Load, 30 min Rating	%	3.6/7.9		
-	44	Max Gradeability	w/wo Load, 5 min Rating	%	7.8/		
	45	Service Brake			Elec		
	46	Maximum Battery Box	LxWxH	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	4x 6v MF	V/Ah	(		
Battery	+/	Capacity 6 Hour Rating)	300 Industrial	V/Ah	24/3		
It	48	Type of Controller	Drive	•// ui	Trans		
щ	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		
	00		1	.,	120		

\* 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

3.12/3.60

5.02/5.79

4		[		Imperial	Metric
1	Manufacturer				ent Corporation
2	Model		·		200-40
	Mast Type		in mm	TT-192	TT-4899
3	Power				ctric
4	Operator Type				alkie
5		Max	lb kg	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
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		Poly	in mm	3.35 x 2.9 Tandem	85 x 74 Tandem
15	Additional Wheels	Poly	in mm	3.54 x 2	90 x 50
	Caster Wheel (d x w)	,			
_	Wheels Number (x=driven)	Front/Rear			x/2
17	Track Width	Rear	in mm	Inside Straddle + 3.94	Inside Straddle + 100
18	Lift Height		in mm	192.9	4899
Ba	Capacity at Lift Height**	24" (610 mm) Load Ctr.	lb kg	2000	907
		16" (406 mm) Load Ctr.	lb kg	2000	907
19		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		Min/Max	in mm	31.1/47.5	790/1206
24	Outrigger Height		in mm	3.97	101
	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	¥	w/Load below Mast	in mm	1.61	41
37	Ground Clearance	Center Wheelbase	in mm	1.61	41
38	Turning Radius		in mm	61.99	1575
39			in mm	67.55	1716
40		w/wollood	mph_km/h	2 10/2 60	E 00/E 70

-	40	Iravel Speed	W/WO LOau	тара калл	3.12/3.00	5.02/5.79
e S	41	Lift Speed	w/wo Load	fpm m/s	23.62/39.37	0.12/0.20
an	42	Lowering Speed 1	w/wo Load	fpm m/s	59.06/39.37	0.30/0.20
r T	42	Lowering Speed 2	w/wo Load	fpm m/s	13.78/5.91	0.07/0.03
Performance	43	Gradeability	w/wo Load, 60 min Rating	%	2.1/	/4.7
Pe			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			Elec	otric
	46	Maximum Battery Box	L×W×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	4x 6v MF	V/Ah	24/	195
e.		Capacity 6 Hour Rating)	300 Industrial	V/Ah	24/	300
Battery	48	Type of Controller	Drive		Trans	sistor
8	49	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

mph km/h

40 Travel Speed

General Information

Tires

Dimensions 

\* 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.

w/wo Load

# SX 3200 Series

#### **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
- 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 trayRemote raise/lower
  - 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 down-time.

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.

# SX 3200 Series

#### Mast

High visibility two- and threestage 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.

# crown.com

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