

Specifications

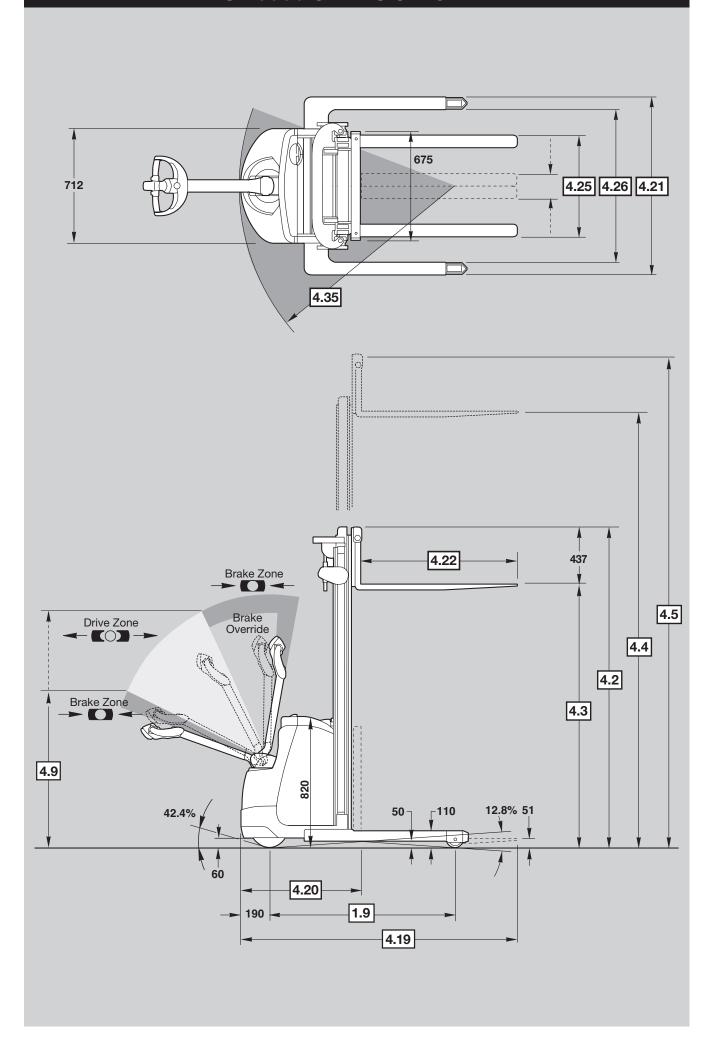
ST/SX 3000 Series

Pedestrian Powered Stacker

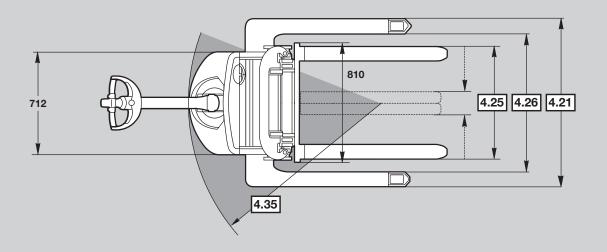
ST 3000 SX 3000

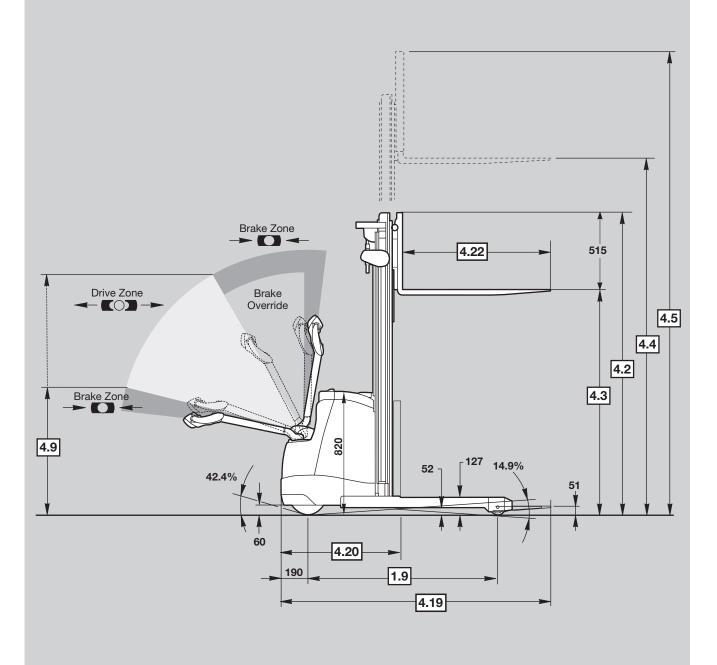


ST 3000 SERIES STACKER



SX 3000 SERIES STACKER





		ST	'SX 3000	SERI	ES :	SPE	CIFICATI	ONS		
z	1.1	Manufacturer			Crown Equipment					
GENERAL INFORMATION	1.2	Model					ST 3000 1.0	ST 3000	SX 3000 1.5	
Ž		Mast Type				mm	1.0	see Table	1.5	
Ö	1.3	Power						Electric		
Ž	1.4	Operator Type								
A F		Load Capacity	Max		Q	kg	1000	Walkie 1200	1500	
E S	1.6	Load Centre								
	1.9	Wheelbase					1255 136			
ত	2.1	Weight Less Battery					see Table			
	3.2	Wheel Size	Front STD		mm	Ø 254 x 85				
TYRES	3.2	Wileel Size	Front OPT Rubber			mm				
Ϋ́	3.3	Wheel Size	Rear (load) Vulkollan			mm	Ø 102	Ø 127 x 50		
-	3.4	Additional Wheels	Castor Wheels	,		mm		Ø 90 x 50†		
	3.5	Wheels	Number (x=driv		h	mm		1x, 2†/2		
	4.2	Mast Free Lift	Collapsed Heig		h ₁	mm		see Table		
	4.4	Lift Height	W/O LOAU DACK	1001	h ₃	mm		see Table		
	4.5	Mast	Extended heigh	nt w o lbr	h ₄	mm		see Table		
	4.9	Tiller Arm Height	In drive position		h ₁₄	mm		785 / 1197		
	_	-	in ante pesition	,	h ₈	mm	1.	12	127	
		Lowered Fork Height			h ₁₃	mm	-			
2		Overall Length			I ₁	mm	51 Head Length + Fork Length			
ō		Head Length			l ₂	mm	see Table			
			Front		b ₁	mm				
DIMENSIONS	4.21	Overall Width	Rear		b ₁	mm	Inside Straddle		Inside Straddle + 150	
□	4.22	Fork Dimensions					38 :	x 76	38 x 102	
		Carda Larrando								
		Fork Length						915 / 1067 / 1219	1 010	
		Fork Carriage Width			l b ₃	mm		75	810	
	4.25	Fork Carriage Width Width Across Forks	Infinite adjustm	ont	b ₃	mm	170	75 - 627	250 / 785	
	4.25 4.26	Fork Carriage Width Width Across Forks	Infinite adjustm		b ₃ b ₄	mm mm	170	75 - 627 · 1270		
	4.25 4.26 4.31	Fork Carriage Width Width Across Forks	w/Load below I	Mast	b ₃ b ₄ m ₁	mm mm	170 965 -	75 - 627 - 1270 - 40	250 / 785 965 - 1270††	
	4.25 4.26 4.31 4.32	Fork Carriage Width Width Across Forks Inside Straddle Ground Clearance	w/Load below N	Mast ase	b ₃ b ₄ m ₁ m ₂	mm mm mm	170 965 -	75 - 627 - 1270 - 40	250 / 785 965 - 1270†† 52	
	4.25 4.26 4.31 4.32 4.33	Fork Carriage Width Width Across Forks Inside Straddle Ground Clearance Working Aisle Width	w/Load below I Centre Wheelba Intersect at aisle	Mast ase e w. std	b ₃ b ₄ m ₁	mm mm	170 965 - 5	75 - 627 - 1270 - 40 50 ee aisle planning gui	250 / 785 965 - 1270†† 52 de	
	4.25 4.26 4.31 4.32 4.33 4.34	Fork Carriage Width Width Across Forks Inside Straddle Ground Clearance Working Aisle Width Working Aisle Width	w/Load below N	Mast ase e w. std	b ₃ b ₄ m ₁ m ₂ Ast	mm mm mm mm	170 965 - 5 Se	75 - 627 - 1270 - 40	250 / 785 965 - 1270†† 52 de	
ш	4.25 4.26 4.31 4.32 4.33 4.34 4.35	Fork Carriage Width Width Across Forks Inside Straddle Ground Clearance Working Aisle Width	w/Load below I Centre Wheelba Intersect at aisle	Mast ase e w. std	b ₃ b ₄ m ₁ m ₂ Ast Ast	mm mm mm mm mm	170 965 - 5 Se Se	75 - 627 - 1270 - 40 - 60 - ee aisle planning gui	250 / 785 965 - 1270†† 52 de	
NCE	4.25 4.26 4.31 4.32 4.33 4.34 4.35 5.1	Fork Carriage Width Width Across Forks Inside Straddle Ground Clearance Working Aisle Width Working Aisle Width Turning Radius	w/Load below N Centre Wheelba Intersect at aisl Stacking w. std	Mast ase e w. std	b ₃ b ₄ m ₁ m ₂ Ast Ast	mm mm mm mm mm mm	170 965 - 5 Se Se	75 - 627 - 1270 40 - 60 - 60 - 60 - 60 - 60 - 60 - 60 - 6	250 / 785 965 - 1270†† 52 de de 1553	
MANCE	4.25 4.26 4.31 4.32 4.33 4.34 4.35 5.1 5.2	Fork Carriage Width Width Across Forks Inside Straddle Ground Clearance Working Aisle Width Working Aisle Width Turning Radius Travel Speed	w/Load below N Centre Wheelba Intersect at aisl Stacking w. std w/wo Load w/wo Load w/wo Load	Mast ase e w. std pallet	b ₃ b ₄ m ₁ m ₂ Ast Ast	mm mm mm mm mm mm mm	170 965 - 5 \$6 \$6 14 5.3 0.13 / 0.20	75 - 627 - 1270 40 60 see aisle planning gui ee aisle planning gui 46 / 5.5	250 / 785 965 - 1270†† 52 de de 1553 5.5 / 6.0	
DRMANCE	4.25 4.26 4.31 4.32 4.33 4.34 4.35 5.1 5.2 5.3	Fork Carriage Width Width Across Forks Inside Straddle Ground Clearance Working Aisle Width Working Aisle Width Turning Radius Travel Speed Lift Speed Lowering Speed	w/Load below for Centre Wheelba Intersect at aisl Stacking w. std w/wo Load w/wo Load w/wo Load w/wo Load w/wo Load w/wo Load w/wo Load, 60r	Mast ase e w. std pallet min Rating	b ₃ b ₄ m ₁ m ₂ Ast Ast	mm mm mm mm mm mm mm km/h m/s	170 965 - 5 \$6 \$6 14 5.3 0.13 / 0.20 0.25 2.4	75 - 627 - 1270 - 40 - 60 - ee aisle planning gui - ee aisle planning gui - 64 - 75.5 - 0.11 / 0.17 - 7 / 0.25 - 7 / 4.5	250 / 785 965 - 1270†† 52 de de 1553 5.5 / 6.0 0.16 / 0.25 0.26 / 0.21 2.6 / 5.2	
FORMANCE	4.25 4.26 4.31 4.32 4.33 4.34 4.35 5.1 5.2 5.3	Fork Carriage Width Width Across Forks Inside Straddle Ground Clearance Working Aisle Width Working Aisle Width Turning Radius Travel Speed Lift Speed Lowering Speed Gradeability	w/Load below for Centre Wheelba Intersect at aisl Stacking w. std w/wo Load w/wo Load w/wo Load w/wo Load, 60r w/wo Load, 30r	Mast ase e w. std pallet min Rating min Rating	b ₃ b ₄ m ₁ m ₂ Ast Ast	mm mm mm mm mm mm km/h m/s m/s	170 965 - 5 \$6 \$6 14 5.3 0.13 / 0.20 0.25 2.4 4.9	75 - 627 - 1270 - 40 - 60 - ee aisle planning gui - ee aisle planning gui - 46 - / 5.5 - 0.11 / 0.17 - / 0.25 - / 4.5 - / 9.1	250 / 785 965 - 1270†† 52 de de 1553 5.5 / 6.0 0.16 / 0.25 0.26 / 0.21 2.6 / 5.2 4.4 / 8.7	
PERFORMANCE	4.25 4.26 4.31 4.32 4.33 4.34 4.35 5.1 5.2 5.3 5.7	Fork Carriage Width Width Across Forks Inside Straddle Ground Clearance Working Aisle Width Working Aisle Width Turning Radius Travel Speed Lift Speed Lowering Speed Gradeability Max Gradeability	w/Load below for Centre Wheelba Intersect at aisl Stacking w. std w/wo Load w/wo Load w/wo Load w/wo Load w/wo Load w/wo Load w/wo Load, 60r	Mast ase e w. std pallet min Rating min Rating	b ₃ b ₄ m ₁ m ₂ Ast Ast	mm mm mm mm mm mm mm km/h m/s	170 965 - 5 \$6 \$6 14 5.3 0.13 / 0.20 0.25 2.4 4.9	75 - 627 - 1270 - 40 - 60 - 60 - ee aisle planning gui - 46 - 75.5 - 0.11 / 0.17 - 7 0.25 - 7 4.5 - 7 9.1 - 15.7	250 / 785 965 - 1270†† 52 de de 1553 5.5 / 6.0 0.16 / 0.25 0.26 / 0.21 2.6 / 5.2	
PERFORMANCE	4.25 4.26 4.31 4.32 4.33 4.34 4.35 5.1 5.2 5.3 5.7 5.8 5.10	Fork Carriage Width Width Across Forks Inside Straddle Ground Clearance Working Aisle Width Working Aisle Width Turning Radius Travel Speed Lift Speed Lowering Speed Gradeability Max Gradeability Service Brake	w/Load below for Centre Wheelba Intersect at aisl Stacking w. std w/wo Load w/wo Load w/wo Load w/wo Load, 60 w/wo Load, 30 w/wo Load, 5 m/wo Load,	Mast ase e w. std pallet min Rating min Rating	b ₃ b ₄ m ₁ m ₂ Ast Ast	mm mm mm mm mm mm km/h m/s % %	170 965 - 5 \$6 \$6 14 5.3 0.13 / 0.20 0.25 2.4 4.9	75 - 627 - 1270 - 40 - 60 - ee aisle planning gui - ee aisle planning gui - 646 - 75.5 - 0.11 / 0.17 - 7 0.25 - 7 4.5 - 7 9.1 - 15.7 - Electric	250 / 785 965 - 1270†† 52 de de 1553 5.5 / 6.0 0.16 / 0.25 0.26 / 0.21 2.6 / 5.2 4.4 / 8.7	
PERFORMANCE	4.25 4.26 4.31 4.32 4.33 4.34 4.35 5.1 5.2 5.3 5.7 5.8 6.10 6.1	Fork Carriage Width Width Across Forks Inside Straddle Ground Clearance Working Aisle Width Working Aisle Width Turning Radius Travel Speed Lift Speed Lowering Speed Gradeability Max Gradeability Service Brake Traction Motor	w/Load below for Centre Wheelba Intersect at aisl Stacking w. std w/wo Load w/wo Load w/wo Load w/wo Load, 60r w/wo Load, 30r	Mast ase e w. std pallet min Rating min Rating	b ₃ b ₄ m ₁ m ₂ Ast Ast	mm mm mm mm mm mm km/h m/s % %	170 965 -	75 - 627 - 1270 - 40 - 60 - ee aisle planning gui - ee aisle planning gui - 646 - 75.5 - 0.11 / 0.17 - 70.25 - 74.5 - 79.1 - 115.7 - Electric - 1.4	250 / 785 965 - 1270†† 52 de de 1553 5.5 / 6.0 0.16 / 0.25 0.26 / 0.21 2.6 / 5.2 4.4 / 8.7 9.5 / 19.4	
PERFORMANCE	4.25 4.26 4.31 4.32 4.33 4.34 5.1 5.2 5.3 5.7 5.8 5.10 6.1 6.2	Fork Carriage Width Width Across Forks Inside Straddle Ground Clearance Working Aisle Width Working Aisle Width Turning Radius Travel Speed Lift Speed Lowering Speed Gradeability Max Gradeability Service Brake Traction Motor Lift Motor	w/Load below for Centre Wheelba Intersect at aisl Stacking w. std w/wo Load w/wo Load w/wo Load w/wo Load, 60 w/wo Load, 30 w/wo Load, 5 m/wo Load,	Mast ase e w. std pallet min Rating min Rating	b ₃ b ₄ m ₁ m ₂ Ast Ast	mm mm mm mm mm mm km/h m/s % %	170 965 -	75 - 627 - 1270 - 40 - 60 - ee aisle planning gui - ee aisle planning gui - 46 - 75.5 - 0.11 / 0.17 - 7 0.25 - 7 4.5 - 7 9.1 - 15.7 - Electric - 1.4 - 3.0	250 / 785 965 - 1270†† 52 de de 1553 5.5 / 6.0 0.16 / 0.25 0.26 / 0.21 2.6 / 5.2 4.4 / 8.7 9.5 / 19.4	
PERFORMANCE	4.25 4.26 4.31 4.32 4.33 4.34 4.35 5.1 5.2 5.3 5.7 5.8 6.10 6.1	Fork Carriage Width Width Across Forks Inside Straddle Ground Clearance Working Aisle Width Working Aisle Width Turning Radius Travel Speed Lift Speed Lowering Speed Gradeability Max Gradeability Service Brake Traction Motor	w/Load below for Centre Wheelba Intersect at aisl Stacking w. std w/wo Load w/wo Load w/wo Load, 60r w/wo Load, 30r w/wo Load, 5m 60min Rating	Mast ase e w. std pallet min Rating min Rating nin Rating	b ₃ b ₄ m ₁ m ₂ Ast Ast Wa	mm mm mm mm mm mm km/h m/s m/s % % %	170 965 - 5 56 56 56 14 5.3 0.13 / 0.20 0.25 2.4 4.9 8.4 /	75 - 627 - 1270 - 40 - 60 - e aisle planning gui - e aisle planning gui - 646 - 75.5 - 0.11 / 0.17 - 70.25 - 74.5 - 79.1 - 115.7 - Electric - 1.4 - 3.0 - 49 x 613 - Elecarance)	250 / 785 965 - 1270†† 52 de de 1553 5.5 / 6.0 0.16 / 0.25 0.26 / 0.21 2.6 / 5.2 4.4 / 8.7 9.5 / 19.4 3.0 230 x 670 x 600 (w / No clearance)	
PERFORMAN	4.25 4.26 4.31 4.32 4.33 4.34 4.35 5.1 5.2 5.3 5.7 5.8 5.10 6.1 6.2 6.3	Fork Carriage Width Width Across Forks Inside Straddle Ground Clearance Working Aisle Width Working Aisle Width Turning Radius Travel Speed Lift Speed Lowering Speed Gradeability Max Gradeability Service Brake Traction Motor Lift Motor Maximum Battery Box	w/Load below Note that the control of the control o	Mast ase e w. std pallet min Rating min Rating in Rating	b ₃ b ₄ m ₁ m ₂ Ast Ast Wa	mm mm mm mm mm mm km/h m/s % % % % kW kW kW	170 965 - 5 56 56 14 5.3 0.13 / 0.20 0.25 2.4 4.9 8.4 /	75 - 627 - 1270 - 40 - 60 - eaisle planning gui - eaisle planning gui - 646 - 75.5 - 0.11 / 0.17 - 70.25 - 74.5 - 79.1 - 15.7 - Electric - 1.4 - 3.0 - 49 x 613 - elearance)	250 / 785 965 - 1270†† 52 de de 1553 5.5 / 6.0 0.16 / 0.25 0.26 / 0.21 2.6 / 5.2 4.4 / 8.7 9.5 / 19.4 3.0 230 x 670 x 600 (w / No clearance)	
PERFORMAN	4.25 4.26 4.31 4.32 4.33 4.34 4.35 5.1 5.2 5.3 5.7 5.8 5.10 6.1 6.2 6.3	Fork Carriage Width Width Across Forks Inside Straddle Ground Clearance Working Aisle Width Working Aisle Width Turning Radius Travel Speed Lift Speed Lowering Speed Gradeability Max Gradeability Service Brake Traction Motor Lift Motor	w/Load below Note that the control of the control o	Mast ase e w. std pallet min Rating min Rating alled aled	b ₃ b ₄ m ₁ m ₂ Ast Ast Wa Ixwxh 6h 6h	mm mm mm mm mm mm km/h m/s % % % % kW kW kW mm	170 965 - 5 56 56 14 5.3 0.13 / 0.20 0.25 2.4 4.9 8.4 / 2.2 185 x 6 (w / No c 24 / 95 24 / 200	75 - 627 - 1270 - 40 - 60 - eaisle planning gui - eaisle planning gui - 646 - 75.5 - 0.11 / 0.17 - 70.25 - 74.5 - 79.1 - 15.7 - Electric - 1.4 - 3.0 - 49 x 613 - eaisle planning gui	250 / 785 965 - 1270†† 52 de de 1553 5.5 / 6.0 0.16 / 0.25 0.26 / 0.21 2.6 / 5.2 4.4 / 8.7 9.5 / 19.4 3.0 230 x 670 x 600 (w / No clearance) 24 / 200	
PERFORMAN	4.25 4.26 4.31 4.32 4.33 4.34 4.35 5.1 5.2 5.3 5.7 5.8 5.10 6.1 6.2 6.3	Fork Carriage Width Width Across Forks Inside Straddle Ground Clearance Working Aisle Width Working Aisle Width Turning Radius Travel Speed Lift Speed Lowering Speed Gradeability Max Gradeability Service Brake Traction Motor Lift Motor Maximum Battery Box	w/Load below Note that the control of the control o	Mast ase e w. std pallet min Rating min Rating alled ed ry	b ₃ b ₄ m ₁ m ₂ Ast Ast Wa	mm mm mm mm mm mm km/h m/s m/s % % kW kW kW mm V/Ah V/Ah	170 965 - 5 56 14 5.3 0.13 / 0.20 0.25 2.4 4.9 8.4 / 2.2 185 x 6- (w / No c 24 / 95 24 / 200	75 - 627 - 1270 40 - 60 - 60 - 60 - 60 - 60 - 60 - 60 - 6	250 / 785 965 - 1270†† 52 de de 1553 5.5 / 6.0 0.16 / 0.25 0.26 / 0.21 2.6 / 5.2 4.4 / 8.7 9.5 / 19.4 3.0 230 x 670 x 600 (w / No clearance) 24 / 200 24 / 300	
BATTERY PERFORMANCE	4.25 4.26 4.31 4.32 4.33 4.34 4.35 5.1 5.2 5.3 5.7 5.8 6.10 6.2 6.3	Fork Carriage Width Width Across Forks Inside Straddle Ground Clearance Working Aisle Width Working Aisle Width Turning Radius Travel Speed Lift Speed Lowering Speed Gradeability Max Gradeability Service Brake Traction Motor Lift Motor Maximum Battery Box Battery Voltage	w/Load below N Centre Wheelba Intersect at aisl Stacking w. std w/wo Load w/wo Load w/wo Load, 60r w/wo Load, 5m 60min Rating 2 x 12v MF Seal Industrial Batte 2 x 12v MF Sea	Mast ase e w. std pallet min Rating min Rating alled ed ry	b ₃ b ₄ m ₁ m ₂ Ast Ast Wa Ixwxh 6h 6h	mm mm mm mm mm mm km/h m/s m/s % % kW kW kW mm V/Ah V/Ah	170 965 - 56 56 56 14 5.3 0.13 / 0.20 0.25 2.4 4.9 8.4 / 2.2 185 x 6 (w / No c 24 / 95 24 / 200 58	75 - 627 - 1270 40 - 60 - 60 - 60 - 60 - 60 - 60 - 60 - 6	250 / 785 965 - 1270†† 52 de de 1553 5.5 / 6.0 0.16 / 0.25 0.26 / 0.21 2.6 / 5.2 4.4 / 8.7 9.5 / 19.4 3.0 230 x 670 x 600 (w / No clearance) 24 / 200 24 / 300	
PERFORMAN	4.25 4.26 4.31 4.32 4.33 4.34 4.35 5.1 5.2 5.3 5.7 5.8 6.10 6.2 6.3	Fork Carriage Width Width Across Forks Inside Straddle Ground Clearance Working Aisle Width Working Aisle Width Turning Radius Travel Speed Lift Speed Lowering Speed Gradeability Max Gradeability Service Brake Traction Motor Lift Motor Maximum Battery Box	w/Load below N Centre Wheelba Intersect at aisl Stacking w. std w/wo Load w/wo Load w/wo Load, 60r w/wo Load, 5m 60min Rating 2 x 12v MF Seal Industrial Batte 2 x 12v MF Seal 4 x 6v MF Seal	Mast ase e w. std pallet min Rating min Rating alled ed rry alled ed	b ₃ b ₄ m ₁ m ₂ Ast Ast Wa Ixwxh 6h 6h	mm mm mm mm mm mm km/h m/s m/s % % kW kW kW wm V/Ah V/Ah kg kg	170 965 - 5 \$6 \$6 14 5.3 0.13 / 0.20 0.25 2.4 4.9 8.4 / 2.2 185 x 6 (w / No constant) 24 / 95 24 / 200 58 136	75 - 627 - 1270 40 - 60 - 60 - 60 - 60 - 60 - 60 - 60 - 6	250 / 785 965 - 1270†† 52 de de 1553 5.5 / 6.0 0.16 / 0.25 0.26 / 0.21 2.6 / 5.2 4.4 / 8.7 9.5 / 19.4 3.0 230 x 670 x 600 (w / No clearance) 24 / 200 24 / 300 136	
PERFORMAN	4.25 4.26 4.31 4.32 4.33 4.34 4.35 5.1 5.2 5.3 5.7 5.8 6.10 6.2 6.3	Fork Carriage Width Width Across Forks Inside Straddle Ground Clearance Working Aisle Width Working Aisle Width Turning Radius Travel Speed Lift Speed Lowering Speed Gradeability Max Gradeability Service Brake Traction Motor Lift Motor Maximum Battery Box Battery Voltage	w/Load below N Centre Wheelba Intersect at aisl Stacking w. std w/wo Load w/wo Load w/wo Load, 60r w/wo Load, 5m 60min Rating 2 x 12v MF Seal Industrial Batte 2 x 12v MF Sea	Mast ase e w. std pallet min Rating min Rating alled ed rry alled ed	b ₃ b ₄ m ₁ m ₂ Ast Ast Wa Ixwxh 6h 6h	mm mm mm mm mm mm km/h m/s m/s % % kW kW kW mm V/Ah V/Ah	170 965 - 56 56 56 14 5.3 0.13 / 0.20 0.25 2.4 4.9 8.4 / 2.2 185 x 6 (w / No c 24 / 95 24 / 200 58	75 - 627 - 1270 40 - 60 - 60 - 60 - 60 - 60 - 60 - 60 - 6	250 / 785 965 - 1270†† 52 de de 1553 5.5 / 6.0 0.16 / 0.25 0.26 / 0.21 2.6 / 5.2 4.4 / 8.7 9.5 / 19.4 3.0 230 x 670 x 600 (w / No clearance) 24 / 200 24 / 300	

[†] Castor wheel option on ST3000

TABLE

		ST 3000 1.0 (1.2)			SX 3000						
	MAST TYPE			TL	Т	Т	TL	TT			
4.4	Lift Height		mm	3220	3900	4250	3220	3900	4250	4860	5500
4.4a	Capacity at Lift Height**		kg	1000 (1200)		1500	1350 / 1200**	1000 / 800**	1000	650	
4.2	Mast	Collapsed height	mm	2110	1858	1858	2110	1858	1858	2070	2280
4.3	Free Lift		mm	150	1422	1422	150	1348	1348	1530	1740
4.5	Extended Height		mm	3655	4335	4685	3730	4410	4760	5370	6010
4.20	Head Length		mm	819	837	837	869*	887*	887*	887	887
2.1	Weight	Less Battery	kg	824	911	911	986	1076	1110	1138	1163

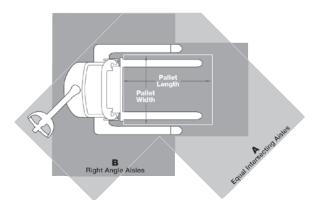
^{*}Add 57mm for sideshift option.

^{††} Min. outrigger width 1220mm on SX3000TT4860 and SX3000TT5500

TECHNICAL INFORMATION

Standard Equipment

- 1. 24 volt fused electrical system
- 2. MOSFET transistorised traction control system
- 3. Separately excited drive motor (SEM)
- Maintenance-free battery pack, four 6-volt batteries with 190 amp hour capacity (ST 1.0)
- 5. Industrial battery 24 volt 150 amp hour capacity (ST 1.2) 24 volt 290 amp hour capacity (SX)
- 6. A built-in 30-amp charger is standard with the ST 1.0 truck. 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 maintenance free, wet cell or industrial batteries. An extension cord is included with any truck equipped with the built-in battery charger
- 7. Electric brake
- 8. Brake override
- 9. Anti-roll down
- 10. Regenerative motor braking
- 11. Heavy-duty drive unit
- 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. Colour-coded wiring



- 17. High speed cut-out at high lift heights
- 18. Two pre-programmed performance levels
- 19. 254mm x 85mm wide Vulkollan drive tyre
- 20. Spring loaded poly casters (SX)
- 21. Vulkollan load wheels 102mm x 50mm wide (ST) 127mm x 50mm wide (SX)
- 22. Min. outrigger width 1220mm on 4860mm and 5500mm lift heights.
- 23. Battery compartment storage tray
- 24. Plexiglas mast guard
- 25. One-speed lift, two speed lower soft start hydraulics (SX only)
- 26. Horn
- 27. Key switch
- 28. Discharge indicator with hour meter and lift lockout
- 29. Hydraulic thermal protection switch (SX only)

Optional Equipment

- 1. Rubber Drive tyre
- 2. Non-marking rubber drive tyre
- 3. Diamond sipped rubber drive tyre
- 4. Spring loaded poly casters (ST)
- 5. Handset analyser for calibration or fault analysing
- 6. 914mm high load backrest (ST) 1219mm high load backrest (SX)
- 7. Freezer/corrosion conditioning (SX only)
- 8. Steel load wheels (ST only)
- 9. Wire mesh mast guard
- 10. Side shift (SX only)
- 11. Soft start hydraulic control (ST only)
- 12. Work Assist Accessories:
 - Clip pad and hook
 - Operator fan
 - Storage pocket
- 13. Built-in 30-amp charger (ST 1.2)

AISLE PLANNING GUIDE

ST 3000 - Right Angle and Intersecting Aisle

Palle		Pallet Length										
Widtl	1	914		1016		1067		1165		1219		
			В	Α	В	Α	В	Α	В	Α	В	
914	mm	1463	1599	1463	1599	1463	1599	1463	1599	1463	1738	
1016	mm	1546	1625	1546	1625	1546	1625	1546	1625	1546	1625	
1067	mm	1588	1638	1588	1638	1588	1638	1588	1638	1588	1746	
1165	mm	1707	1751	1707	1751	1707	1751	1707	1751	1707	1751	
1219	mm	1715	1752	1715	1752	1715	1752	1715	1752	1715	1829	

Add 152 to all aisle dimensions for maximum maneuverability.

SX 3000 - Right Angle and Intersecting Aisle

Pallet	Pallet Width		Pallet Length											
Width			914		1016		1067		1165		1219			
			В	Α	В	Α	В	Α	В	Α	В			
914	mm	1554	1704	1554	1704	1554	1704	1554	1704	1554	1722			
1016	mm	1638	1730	1638	1730	1638	1730	1638	1730	1638	1730			
1067	mm	1680	1743	1680	1743	1680	1743	1680	1743	1680	1743			
1165	mm	1767	1811	1767	1811	1767	1811	1767	1811	1767	1811			
1219	mm	1807	1851	1807	1851	1807	1851	1807	1851	1807	1851			

Add 152 to all aisle dimensions for maximum maneuverability. Add 50 if sideshift option is used.

Operator controls

The control hand grips are urethane covered for insulation from cold and vibration. Full function control handle includes travel direction, raise, lower and reversing switch.

The physical efforts to hold the handle at a comfortable height is minimised to reduce fatigue. The operator is positioned to maximise 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.

Exclusive brake override allows slow speed travel with the handle near vertical. The feature improves manoeuvrability in tight areas.

Performance

The ST/SX 3000 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 Systems

A heavy-duty 24-volt fused electrical system provides fast, safe travel and lift speeds.

Separately excited motor control eliminates directional contactors 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.

Hydraulic System

Heavy-duty hydraulic motor with integral pump and a reservoir for maximum efficiency and durability.

Single-speed lift and two-speed 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 spur gears for low noise emission.

Drive unit is equipped with an electromagnetic 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

ST 3000 Series feature a 675mm wide pin-type fork carriage. SX 3000 Series features a 810mm wide Class II fork carriage. Forks are adjustable on both models. Standard fork lengths are 915mm, 1067mm and 1219mm.

Serviceability

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

Drive motor brush access is excellent.

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

Control handle switch cap is easily removed to expose components.

Other Options

- 1. Audible travel alarm
- 2. Flashing lights

Safety considerations and dangers associated with audible travel alarms and flashing 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 operator and pedestrians.

Other Options Available

Contact you local Crown branch. 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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Because Crown is continually improving its products, specifications are subject to change without notice.

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