



STACKERS

MANUAL, SEMI-ELECTRIC & FULLY ELECTRIC
2200-3500LB | 1.0-1.8 TON



ES30CAX



ES30STX



EMS A3300

A PERFECT FIT FOR ANY APPLICATION

Designed for Exceptional Maneuverability, Ergonomic Operation, and Ease of Service

Stärke LiftMaxx industrial quality stackers are manufactured in an ISO9002 and CE accredited facility to ANSI B56.1 and CSA B335 specifications. All units are designed with the safety, ergonomics, and ease of service in mind - at the best possible value.

Every unit is backed by a 1 year limited warranty and a network of knowledgeable authorized dealers throughout North America.



MSA 3300



ES30CAX

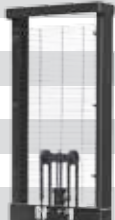


EMS A3300

MANUAL STACKERS							MSA-2200	MSA-3300
Capacity		lb					2200	3300
Lifting Height		inch					118	118
Load Center		inch					24	24
Overall Height	Fork Height-Raised	inch					115	115
	Fork Height-Lowered	inch					79	79
Lifting Speed	Standard	pumps					95-105/150-160	95-105/150-160
	Double Pump	pumps					60-65/100-110	60-65/100-110
		Quick Lift Pump					55-60	55-60
Fork Width		inch					4	4
Service Weight		lbs					850	880
Wheel Dimensions	Steer Wheel	inch					5.9	5.9
	Front Wheel	inch					3.15	3.15
Straddle Legs Width		inch					42.5/48/53.5	42.5/48/53.5
Straddle Legs Length		inch					37.6	37.6
Fork Distance Variation		inch					8.3-31.5	8.3-31.5

SEMI-ELECTRIC STACKERS							EMS-A2200	EMS-A3300
Capacity		lb					2200	3300
Lifting Height		inch					118.0	118.0
Load Center		inch					24	24
Overall Height	Fork Height-Raised	inch					117.0	117.0
	Fork Height-Lowered	inch					79.1	79.1
Lifting Speed	Unladen	inch/s					3.4-4.7	3.4-4.7
	Laden	inch/s					3.4-4.7	3.4-4.7
Lowering Speed		inch/s					Controllable	Controllable
Fork Width		inch					6.3	6.3
Fork Length		inch					45.3	45.3
Overall Length		inch					63	63
Service Weight		lbs					1035	1080
Wheel Dimensions	Steer Wheel	inch					7.9 x 7.1	7.9 x 7.1
	Front Wheel	inch					3.15	3.15
Fork Distance Variation		inch					8.3-31.5	8.3-31.5
Battery							12V-120Ah	12V-120Ah
Charger - On Board							110V / 12A	110V / 12A

ES35A/ST-EPS

FULLY ELECTRIC STACKERS									
			ES30STX	ES30STX-FFL	ES35A-EPS	ES35E-EPS	ES35ST-EPS	ES22C-EPS	ES30CAX
GENERAL	Capacity	lb	3000	3000	3500	3500	3500	2200	3000
	Load Center	inch	24		24				24
	Operator Type		Walkie		Walkie				Walkie
	Electric Power Steering		-		Standard Equipped				-
	Tire Type	Front/Rear	Poly/Poly		Poly/Poly				Poly/Poly
	Wheel Base	inch	57.5	54.4	51.4	51.4	53.4	46.4	54.3
	Service Weight Without Battery	lb	1826/1870	2816/2860/2904	1860	2960	3070	2970	3564
	Service Weight With Battery	lb	2266/2310	3476/3520/3564	2540	3315	3425	3564	4444
SPECIFICATIONS	Maximum Lift Height ^a	inch	98/130	177/197/220-FFL	120/132	131/177	177/197	118/130	157/177/197
	Mast Height - Lowered	inch	78.5/98.2	83.5/89.8/97.6	81.3/86.5	79.0/82.1	82.1/88.0	79.9/83.9	99.0/79.1/85.7
	Standard Fork Length	inch	42		42				42
	Fork Width	inch	4		4				4
	Outside Dimensions of Forks	inch	35.4-51.2 ^b	7.9-31.5 ^b	7.9-31.9 ^b	21.7-23.7 ^b	7.9-31.9 ^b	7.9-26.0 ^b	7.9-26.8 ^b
	Minimum Turning Radius	inch	64.6	53.2	58.0	58.0	59.5	79.9	61.8
	Minimum Aisle Width	inch	98.2	97.6	89.8	89.8	91.0	113.4	113.8
	Minimum Ground Clearance	inch	1.1	1.4	1.0	1.0	1.0	1.9	3.2
PERFORMANCE	Maximum Travel Speed	Laden	mph	3.6	3.6	3.0			3.6
		Unladen	mph	3.73	3.73	3.5			3.73
	Maximum Lifting Speed	Laden	inch/s	2.36	4.72	5.12			4.72
		Unladen	inch/s	5.12	7.48	9.05			7.48
	Maximum Lowering Speed	Laden	inch/s	5.12	13.78	5.12			16.53
		Unladen	inch/s	3.93	4.72	9.05			16.14
	Gradeability	Laden	%	8	8	5			6
		Unladen	%	15	15	7			8
CHASSIS	Overall Length	inch	77	77	74	74	75	108	104
	Length	inch	64	64	62	75	64	64	67
	Straddle	Outside Dimensions	inch	Adjustable	Adjustable	58/52/46 ^c	-	58 ^c	-
		Inside Dimensions	inch	Adjustable	Adjustable	50/44/38 ^c	-	50 ^c	-
	Mast Extended Height	inch	132/171	200/220/243	167/179	167/179	224/244	150/162	197/217/236
DRIVE SYSTEM	Brake		Regenerative		Electromagnetic				Regenerative
	Travelling Motor		AC; 1.6 HP	AC; 1.6 HP	AC; 1.5 HP			AC; 2.0 HP	
	Lifting Motor		3.0 HP	4.1 HP	24V; 1.5 HP			4.5 HP	
	Battery Voltage		24V	24V	24V			24V	
	Battery Capacity		200Ah	300Ah	280Ah			400Ah	
	Control System		Curtis 1230	Curtis 1230	Curtis 1230-2402				Curtis 1232
	Charger		110v Plug-In Off Board						

ES30STX

^a Custom Mast Configurations Available
^b Adjustable Fork Widths
^c Option of Various Fixed Dimensions, Indicate Selection at Time of Order
All factory specifications are subject to change without notice.

Stärke Material Handling Group is committed to providing a broad selection of the toughest trucks for even the most challenging applications. Each model is designed to deliver optimal efficiency, comprehensive operator ergonomics and safety, and unsurpassed reliability at an unbeatable value for your dollar.

Our family of products provides a solution for every material handling situation. From manual and electric pallet trucks and stackers, three and four wheel electric forklifts, and up to 22,000 lb internal combustion engine forklifts - every piece of equipment we sell is backed by a first class warranty, fully stocked parts department, and a dealer network with factory trained technicians.

Stärke is German for 'strong' and it perfectly describes how we deliver in design, customer service and value. It describes our commitment to worker safety and to our products themselves, each built for years of trouble free service.

CONTROL HANDLE

- Extra large push buttons for raise, lower and horn operation are easily accessible, even with gloved hands
- Large safety button moves truck away if the unit makes contact with the operator in reverse mode
- Dual forward/reverse grip controls for easy thumb operation with either hand
- Automatic 'dead man' braking cuts off the power when brake is applied

MAST AND CHASSIS

- Laterally mounted lift cylinder for optimum visibility
- Safety screen protects operator during lift operations
- Mast is constructed of cold drawn steel for greater rigidity and strength
- High quality ball bearing rollers
- Battery is easily changed

HYDRAULIC UNIT

- Heavy duty motor, gear pump and relief valve
- Overload pressure relief valve bypasses oil to the reservoir when system reaches maximum pressure

ELECTRIC SYSTEM AND CONTROLLER

- Key switch
- Emergency power disconnect button
- Battery indicator meter
- Advanced Curtis PMC drive controller gives smooth acceleration and infinitely variable speed control
- Anti-rollback system delivers maximum power when required for uphill or downhill gradients
- Programmable electronics allow custom settings

DRIVE UNIT

- Durable long lift gearbox with plenty of ventilation
- Powerful motor with high overload capacity
- High precision gear box for low noise

BRAKE

- Electromagnetic disk brake connected to drive shaft
- Curtis PMC has adjustable neutral braking, plugging and regenerative braking

New! EPS Electric Power Steering for ease of operation & reduction of operator fatigue.



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