



The power of experience.

With over 100,000 machines built since the 1940's, our range of electric eco-efficient forklifts will deliver on your expectations, without compromise. They are built on our proven G-Generation platform with an electric driveline and rigorously tested electric and hydraulic systems. They perform as well as diesel models, both indoors and out.



### The power of choice.

The Kalmar Electric Forklift range is available with lifting capacities from 20,000 to 40,000 lbs, three different lifting masts and a range of battery solutions to suit the lifting capacity, work cycle and size of the machine. Kalmar Lifetime Services offers a comprehensive range of service, maintenance and spare parts packages, so you can keep your new forklift working at its operational best.

Kalmar's electric forklifts all offer highly responsive handling and superior visibility from the cabin,

helping to keep your driver safe and in complete

control at all times. There are a range of

options available, including Blue Safety Lights, Reverse Warning System,

ECO-drive mode, Adjustment of

The power of safety.

Brake Power, Speed Adjustment and additional lighting to help keep your operator and by-standers secure.

# The power of eco-efficiency.

Our range of zero-emission electric forklifts are ISO050001 compliant, which means they meet the highest emissions standards. They are extremely quiet and vibrate much less than a standard diesel-powered forklift, making them not only great to operate, but also invaluable for your reputation and environmental credentials

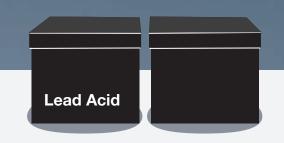
Ready for heavy loads.

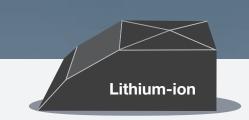
With our electric forklifts being able to lift up to 40,000 lbs they can handle the heavy loads, making them ideal for industrial applications. Coupled with a short wheelbase where space is limited, they are built to handle heavy loads indoors or out.

# Lead Acid vs Li-ion.

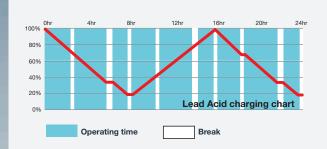
Kalmar offers two types of battery technology to power its forklifts, Lead Acid and Lithium-ion. Here is a chart that demonstrates the difference between the two battery types so you can decide which is the right solution for

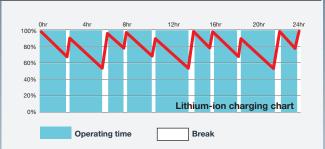
The Lead Acid battery is generally removed after a shift and then fully charged prior to being refitted onto the forklift, or it can be charged directly in a safe location. The Lithium-ion battery can be continuously recharged during operational downtime or breaks.





#### **CHARGING PATTERN**





## **FEATURES**

- Lasts for up to **1,200 to 1,400** cycles
- Battery efficiency up to 70%
- Generally removed to be fully charged
- Requires a ventilated charging space
- Requires regular maintenance/watering
- Additional batteries required for multi-shift operation.

- Lasts for up to 4,000 cycles
- Battery efficiency up to 95%
- Is charged in place
- Does not require ventilated charging space
- Requires minimal maintenance
- Can be opportunity charged for multi-shift operation.

## YOUR OPERATIONS

What is your operational cycle?

What is your operational cycle?

2-3hr 2-3hr 2-3hr 2-3hr 2-3hr







Are you operating more than one shift?





Are you operating more than one shift?



**Charging time** 



**Charging time** 

Fully charged in less than 2 hours

# Good for business, great for the environment.

Reducing your emissions shouldn't come at a cost, it should be beneficial to both the environment and your bottom line.

Kalmar's eco-efficient forklifts deliver on both accounts. They are just as powerful and efficient as diesel models without producing any harmful emissions. In fact, they produce zero emissions at source, which will help you substantially cut your fuel bills, while improving your environment credentials.

#### It pays to go green.

and longer service intervals, both helping to

A two year payback period. Using a Kalmar Electric Forklift truck pays off in the long run. In as little as 2 years time, Kalmar's Electric Forklift truck will break, even compared to the equivalent diesel truck.

# Eco-efficiency at work.

Reducing the fuel consumption of your equipment also reduces your emissions, which will enhance your environmental reputation and help you meet current and future emissions standards. Together we can shape the future of cargo handling, with safe and eco-efficient solutions that improve your every move.

# D ECO-EFFICIENCY AT WORK

# A healthier working environment.

Electric forklifts have always been seen as specialist machines for handling sensitive goods, in fact they deliver many additional benefits:



Less vibrations make handling sensitive goods safer and reduce stress and strain on your operator's body.



Electric forklifts are extremely quiet, making working indoors less disruptive for both operators and by-standers.



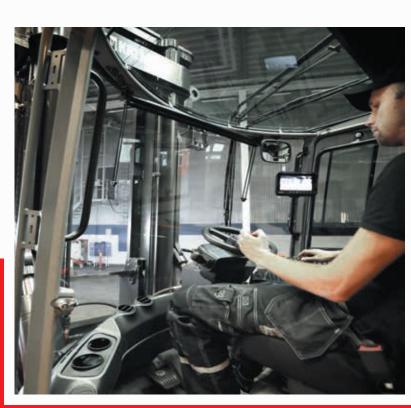
As electric forklifts produce no exhaust fumes they are suited to operate inside and where other staff are working or sensitive goods are stored.

# A better driving experience.

All our electric forklifts feature our ergonomically designed EGO cabin fitted as standard. This cabin is built to provide a superior driving experience. With adjustable control, steering wheel and seat, your driver will be happier and more comfortable. The slim line cabin pillars provide an exceptional level of visibility, making the machine safer to operate, especially in busy environments.



With all of our electric forklifts you will be able have greater control over your machine with the speed pedal. Not only will you benefit from instant acceleration, you will also be able to slow down simply by taking your foot off the speed pedal.





Buying an electric forklift doesn't mean compromising on power, as electric drivelines provide full torque immediately and are smoother to operate, making operating cycles shorter, driving up your operational productivity. With extended servicing cycles and improved diagnostic tools your machine will benefit from higher availability rates than the diesel alternatives.

#### A simpler design.

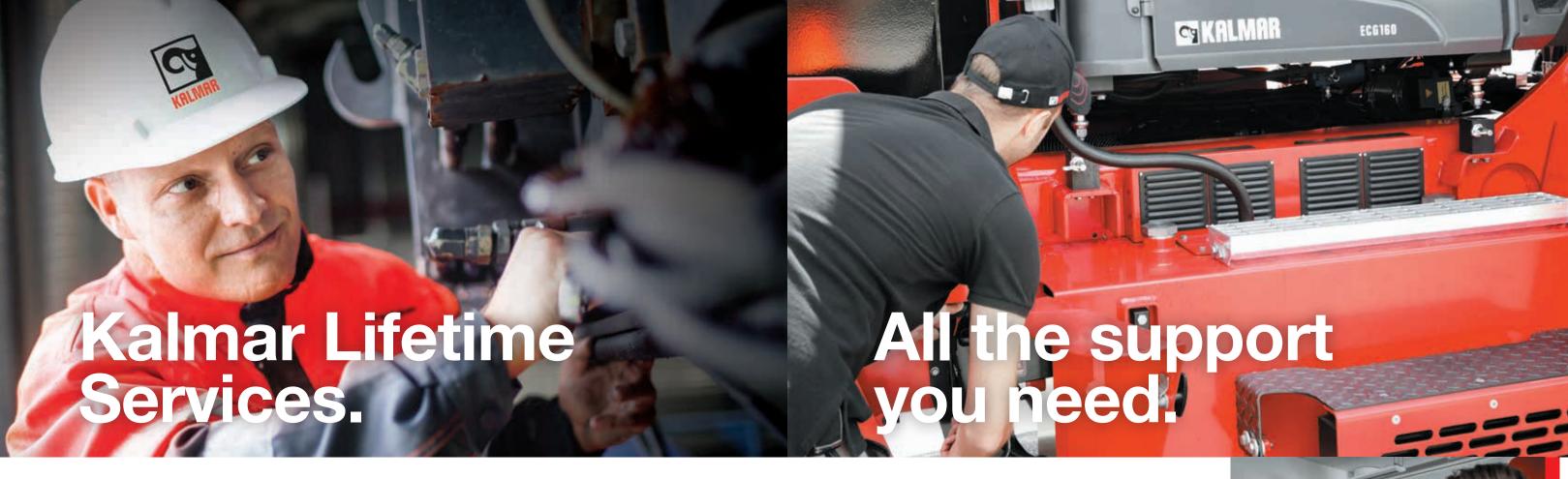
Electric forklifts have less moving parts than diesel models. Without the need to change the starter motor, turbo or fuel filters, servicing and maintenance on the machine will take less time and cost up to 50% less. As less parts are required, your parts replacement costs and stock levels will also be substantially reduced.

Kalmar's ECO Drive mode option allows you to optimize your truck's performance with three different modes:

**Power Mode:** when speed is of the essence. With full engine power, you will be able to move quickly about, lift and lower at full speed, without compromising on safety.

**Normal Mode:** when you need to retain some speed. With a slightly reduced acceleration you can expect 5-15% lower running and energy costs.

**Economy Mode:** when you need the lowest running costs. With acceleration reduced even further you can expect 10-20% lower running and energy costs.



# Kalmar Care, making sure your business never stops.

We offer four different types of service and maintenance contracts. Each is designed to help you improve your operational efficiency, drive productivity and secure financial predictability. Each contract type includes a set of standardized service modules to meet your business needs.

# Specialist support.

Kalmar can also offer specialist support for your new electric forklift as working with battery powered drivelines is different from diesel units. We can offer additional batteries if you are working more than one shift, pockets for your batteries so they can easily be removed with a forklift and recommend what sort of charging technology you should consider.

# When the right part matters.

When something needs to be replaced you need a quality part that meets your exact needs – urgently. Kalmar Genuine Parts offers a rapid delivery service for over 50,000 premium-quality genuine parts to anywhere in the world, with installation support if needed.

# Optimize your fleet with Kalmar Insight.

Kalmar Insight is a performance management tool for cargo and material handling, which gives you a valuable and easy to use overview of your daily operations based on equipment status and performance, making it quicker for you to take action on relevant information that will help you improve your operations, your equipment's performance and your business.

Kalmar Insight\* comes fitted in all new Kalmar machines and can be retrofitted to existing Kalmar machines or those built by other manufacturers.



Kalmar Insight: view each machine's movements as they occur.



Plan your maintenance and spare parts needs.



Kalmar Insight: view each operator's performance in real time.

# Kalmar Training Academy.

For your team to get the most out of their new forklift the Kalmar Training Academy offers a range of courses for both your technicians and operators. Operators will be shown how to optimize their day-to-day operational performance and what needs to be checked daily before operations begin.

Technicians will be given the knowledge needed to keep your new truck in top condition. Courses are a mix of theory and hands-on experience and can be held at Kalmar or at your site.

\*Installation costs and/or an annual subscription fee may apply.

# **Technical information.**

					90-6	100-6	120-6	127-6	140-6S	140-6	100-12S	100-12	120-12S	120-12	150-6S	150-6	150-12	160-6S	160-6	160-9S	160-9	160-12	180-6S	180-6	70-35E3	70-35E4
LIFTING		Rated		lbs	20,000	22,000	26,000	28,000	31,000	31,000	22,000	22,000	26,000	26,000	33,000	33,000	33,000	36,000	36,000	36,000	36,000	36,000	40,000	40,000	15,400	15,400
CAPACITY		Load center	L4	in	24	24	24	24	24	24	48	48	48	48	24	24	48	24	24	36	36	48	24	24	48	48
		Truck length	L	in	182	182	182	182	183	191	186	194	194	204	186	193	214	193	203	204	213	214	204	213	234	234
		Truck width	В	in	98	98	98	98	98	98	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	115
		Height, base machine, EGO	H6	in	114	114	114	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
		Seat height, EGO	H8	in	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71
		Distance between center of front axle – front face fork arm	L2	in	36	36	36	36	36	36	39	39	39	39	39	39	39	39	39	39	39	39	39	39	50	50
		Wheelbase	L3	in	111	111	111	111	111	119	111	119	119	128	111	119	138	119	128	128	138	138	128	138	138	138
		Track (c-c), front – rear	S	in	72 / 77	72 / 77	72 / 77	73 / 77	73 / 77	73 / 77	73 / 77	73 / 77	73 / 77	73 / 77	73 / 77	73 / 77	73 / 77	73 / 77	73 / 77	73 / 77	73 / 77	73 / 77	73 / 77	73 / 77	73 / 77	87 / 77
		Turning radius, outer	R1	in	165	165	165	165	165	172	165	172	172	189	165	172	204	172	189	189	189	204	189	189	189	189
		Turning radius, inner	R2	in	3	3	3	3	3	5	3	5	5	17	3	5	24	5	17	17	17	24	17	17	17	17
<u> </u>		Ground clearance, min.		in	12	12	12	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
SION		Height when tilting cab, max. EGO	T1	in	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134
Ž Ž Ž		Width when tilting cab, max EGO	T2	in	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134
		Min. aisle width for 90° stacking	A1	in	249	249	249	249	249	256	300	307	307	324	252	259	339	259	276	300	300	339	276	276	366 / 551	366 / 551
TRUCK DIMENSIONS	Standard	with forks  Lifting height	H4	in	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197	275	393
F	duplex mast	Mast height, min	НЗ	in	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	220	279
		Mast height, max	H5	in	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	358	476
		Mast tilting, forward – reverse	a – ß	0	14 / 10	14 / 10	14 / 10	14 / 10	14 / 10	14 / 10	14 / 10	14 / 10	14 / 10	14 / 10	14 / 10	14 / 10	14 / 10	14 / 10	14 / 10	14 / 10	14 / 10	14 / 10	14 / 10	14 / 10	3/5	3/5
		Ground clearance, min.		in	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
	Forks	Width	b	in	7.9	7.9	7.9	7.9	7.9	7.9	9.8	9.8	9.8	9.8	7.9	7.9	9.8	7.9	7.9	9.8	9.8	9.8	9.8	9.8	N/A	N/A
		Thickness	а	in	2.8	2.8	2.8	2.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	N/A	N/A
		Length of fork arm	1	in	48	48	48	48	48	48	96	96	96	96	48	48	96	48	48	72	72	96	48	48	N/A	N/A
		Width across fork arms, max.	V	in	92	92	92	92	92	92	93	93	93	93	93	93	93	93	93	93	93	93	93	93	N/A	N/A
		Width across fork arms, min.	V	in	23	23	23	23	23	23	28	28	28	28	24	24	28	24	24	28	28	28	28	28	N/A	N/A
		Sideshift. ± at width across fork arms	V1 – V	in	17 / 57	17 / 57	17 / 57	17 / 57	17 / 57	17 / 57	16 / 60	16 / 60	16 / 60	16 / 60	17 / 58	17 / 58	16 / 60	17 / 58	17 / 58	16 / 60	16 / 60	16 / 60	16 / 60	16 / 60	5.5	5.5
	Weight	With battery		lbs	41,200	41,200	41,400	41,400	41,700	45,000	44,800	47,600	48,900	50,700	46,100	47,400	53,800	47,800	50,300	51,800	53,400	55,100	50,500	52,900	61,100	65,500
	Axle load front	Unloaded		lbs	18,700	18,700	18,900	18,900	19,200	20,700	22,500	24,000	24,000	25,300	22,100	23,600	26,700	23,500	24,700	25,100	26,100	26,700	24,900	25,600	35,700	39,300
WEIGHT		At rated load		lbs	49,200	52,500	59,500	61,900	66,800	67,200	61,700	62,200	69,900	69,700	73,900	74,100	80,500	77,400	77,200	80,900	80,500	84,000	84,000	83,300	62,200	65,500
	Axle load rear	Unloaded		lbs	22,500	22,500	22,500	22,500	22,500	24,300	22,300	23,600	24,900	25,400	24,000	23,800	27,100	24,300	25,600	26,700	27,300	28,400	25,600	27,300	25,400	26,200
		At rated load		lbs	12,000	10,700	7,900	7,500	5,900	8,800	5,100	7,400	5,000	7,000	5,200	6,300	6,300	6,400	9,100	6,900	8,900	7,100	6,500	9,600	14,300	15,400
	Wheels/tires	Type, front – rear						Pneu	ımatic										Pr	neumatic						
WHEELS		Dimensions, front – rear						12.00x	20/20PR								12.00x2	0/20PR					12.00x20/	20PR HD	12.00x2	0/20PR
WHEELS		Number of wheels, front – rear (*driven)			4* - 2	4* - 2	4* - 2	4* - 2	4* - 2	4* - 2	4* - 2	4* - 2	4* - 2	4* - 2	4* - 2	4* - 2	4* - 2	4* - 2	4* - 2	4* - 2	4* - 2	4* - 2	4* - 2	4* - 2	4* - 2	4* - 2
		Pressure		psi	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	145	145	145	145
STEERING	Steering system	Type – maneuvering					Нус	draulic Servo	<ul> <li>Steering when the steering is a second control of the</li></ul>	neel									Hydraulic Ser	vo – Steering	wheel					
BRAKES	Service brake system	Type – affected wheels					Oil co	oled disc bra	akes – Drive w	heels								C	Dil cooled disc	brakes – Drive	e wheels					
BRAKES	Parking brake system	Type – affected wheels					Dry, spring	activated dis	sc brakes – D	rive wheels								Dry, sp	oring activated	disc brakes -	Drive wheels					
	Hydraulic Pressure			psi	2320	2465	2538	2610	2755	2755	1813	1813	2175	2175	2393	2393	2465	2465	2465	2538	2538	2610	2755	2755	2900	2900
MISC.	Hydraulic fluid volume			gal	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48

Ωr	$\Gamma \cap$	rm	12	n	ce.

				90-6	100-6	120-6	127-6	140-6S	140-6	100-12S
	Lifting speed @ 70%	Unloaded	fps	1.15	1.15	1.15	1.15	1.15	1.15	1.15
		At rated load	fps	1.15	1.15	1.15	1.15	1.15	1.15	1.15
ш	Lowering speed	Unloaded	fps	1.48	1.48	1.48	1.48	1.48	1.48	1.48
		At rated load	fps	1.63	1.63	1.63	1.63	1.63	1.63	1.63
ANC	Traveling speed, F/R	Unloaded	mph	12	12	12	12	12	12	12
PERFORMANCE		At rated load	mph	11	11	11	11	11	11	11
ËRF	Gradeability, max	Unloaded	%	32	32	32	30	30	27	28
<u>.</u>		At rated load	%	21	20	19	17	17	16	18
	Gradeability, at 3mph	Unloaded	%	28	28	28	26	26	24	24
		At rated load	%	18	18	17	15	15	14	16
	Drawbar pull		kN	56	56	56	53	53	53	53
Noise level,		LpAZ, EGO Cabin	dB(A)	69	69	69	69	69	69	69
inside*		LpAZ, EGO Cabin OHG	dB(A)	-	-	-	-	-	-	-
Noise level, outside**		LwAZ	dB(A)	104	104	104	104	104	104	104

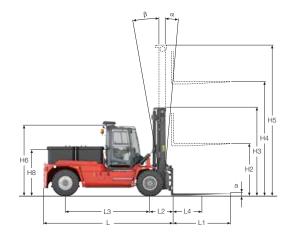
ECG 100-12	ECG 120-12S	ECG 120-12	ECG 150-6S	ECG 150-6	ECG 150-12	ECG 160-6S	ECG 160-6	ECG 160-9S	ECG 160-9	ECG 160-12	ECG 180-6S	ECG 180-6	ECG 70-35E3	ECG 70-35E4
1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.63	1.63
1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.63	1.63
1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48
1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
26	25	24	27	26	23	26	24	24	23	22	24	23	20	19
17	16	16	15	15	14	14	14	14	14	13	13	13	16	15
23	22	21	24	23	20	23	21	21	20	20	21	20	18	16
15	14	14	13	13	12	13	12	12	12	12	12	11	14	13
53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
104	104	104	104	104	104	104	104	104	104	104	104	104	104	104

\* According to EN12053 \*\* According to 2000/14/EG

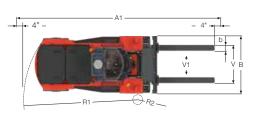
# **Driveline.**

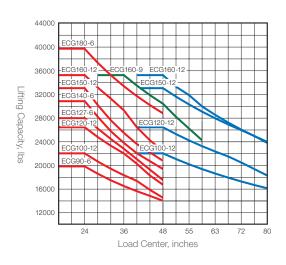
			90-6	100-6	120-6	127-6	140-6S	140-6	100-12S			
	Drive axle - type		Differential and hub reduction									
	Drive motor, hourly capacity		49.6 hp (37 kW)									
DRIVELINE	Speed control, principle - number of steps		High frequency MOSFET, AC - Stepless									
DRIVELINE	Pump motor hydraulics, intermittent capacity - duty factor		2 x 67 hp (50 kW) - S3 15%									
	Pump motor brakes, intermittent capacity – duty factor				1 x 6.8 h	p (5.1 kW) -	- S3 15%					
	Pump control, principle - number of steps  High frequency MOSF							T, AC - Stepless				
	Number of batteries		2	2	2	2	2	2	2			
DATTEDY	Dimensions, 'X'x'Y'x'Z' (WxLxH)	in	1638x 718x780	1638x 718x780	1638x 718x780	1638x 718x780	1638x 718x780	1638x 862x780	1638x 718x780			
BATTERY LEAD ACID	Capacity at 5h discharging - voltage	Ah - V	2x 620 - 120	2x 620 - 120	2x 620 - 120	2x 620 - 120	2x 620 - 120	2x 775 - 120	2x 620 - 120			
	Max charging current	A - V	125 - 120	125 - 120	125 - 120	125 - 120	125 - 120	150 - 120	125 - 120			
	Battery weight (1 battery)	lbs	5315	5315	5315	5315	5315	6330	5315			
BATTERY	Number of batteries		N/A	N/A	N/A	N/A	N/A	N/A	N/A			
LI-ION	Battery Capacity	Ah - V	N/A	N/A	N/A	N/A	N/A	N/A	N/A			

ECG 100-12	ECG 120-12S	ECG 120-12	ECG 150-6S	ECG 150-6	ECG 150-12	ECG 160-6S	ECG 160-6	ECG 160-9S	ECG 160-9	ECG 160-12	ECG 180-6S	ECG 180-6	ECG 70-35E3	ECG 70-35E4
						Differenti	ial and hub r	eduction						
						49	9.6 hp (37 k)	<b>/</b> /)						
					Hi	gh frequenc	y MOSFET,	AC - Steple	SS					
						2 x 67 h	p (50 kW) -	S3 15%						
						1 x 6.8 h	p (5.1 kW)	- S3 15%						
					Hi	gh frequenc	y MOSFET,	AC - Steple	SS					
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1638x 862x780	1638x 862x780	1638x 998x780	1638x 718x780	1638x 862x780	1638x 1150x780	1638x 862x780	1638x 998x780	1638x 998x780	1638x 1150x780	1638x 1150x780	1638x 998x780	1638x 1150x780	1638x 1150x780	1638x 1150x780
2x 775 - 120	2x 775 - 120	2x 930 - 120	2x 620 - 120	2x 775 - 120	2x 1085 - 120	2x 775 - 120	2x 930 - 120	2x 930 - 120	2x 1085 - 120	2x 1085 - 120	2x 930 - 120	2x 1085 - 120	2x 1085 - 120	2x 1085 - 120
150 - 120	150 - 120	185 - 120	125 - 120	150 - 120	215 - 120	150 - 120	185 - 120	185 - 120	215 - 120	215 - 120	185 - 120	215 - 120	215 - 120	215 - 120
6330	6330	7475	5315	6330	8645	6330	7475	7475	8645	8645	7475	8645	8645	8645
N/A	N/A	N/A	N/A	N/A	1	N/A	N/A	N/A	1	1	N/A	1	1	1
N/A	N/A	N/A	N/A	N/A	1296-128	N/A	N/A	N/A	1296-128	1296-128	N/A	1296-128	1296-128	1296-128









# Lifting data.

	Lift height	Mast	height	Free lift
	H4	H3 min	H5 max	H2
			ECG90-180	
	118	126	185	-
M	128	131	195	-
DUPLEX STANDARD, CLEAR VIEW	138	136	205	-
LEA	148	141	214	-
O, C	157	145	224	-
ARI	177	155	244	-
ANG	197	165	264	-
XST	217	175	283	_
PLE	236	185	303	-
<u>D</u>	256	195	323	-
	276	205	342	-

	Lift height	Mast	height	Free lift
	H4	H3 min	H5 max	H2
			ECG90-180	
	118	126	185	59
/EV	128	131	195	64
AB	138	136	205	69
CLE	148	141	214	74
Ħ,	157	145	224	79
	177	155	244	89
H.	197	165	264	98
F.	217	175	283	108
Ä	236	185	303	118
DUPLEX FULL FREE LIFT, CLEAR VIEW	256	195	323	128
_	276	205	342	138

	Lift height	Mast	height	Free lift			
	H4	H3 min	H5 max	H2			
			ECG90-180				
>	177	123	244	59			
TRIPLEX FFL, CW	197	130	263	66			
臣	217	136	283	72			
Ĕ	236	143	303	79			
A P	256	149	322	85			
-	276	156	342	92			

# Mast options.

**Duplex mast:** 118"-276"







# in. EGO

Standard.

## Cabin, EGO

- ANSI/ITSDF B56.1 Safety Standards for High Lift Powered Industrial Trucks
- Standard full suspension seat including 2-point orange seatbelt
- Clear windows including sliding windows in left and right doors
- Complete doors with locks left and right side
- Complete maneuver system rfeatures electric adjustable right-hand console including standard display (electric adjustable)
- Multi function left side lever including horn, direction indicator, high and low beam.
- Brake system with pedal left and right side
- Internal comfort including mirrors, handles, interior lighting etc.
- Wiper and washers front/rear and roof window
- Hydraulic steering system including steering wheel with steering wheel knob
- External reverse lights
- Heat and ventilation climate control with fresh air inlet filter
- Speed control pedal right side.
- Kalmar standard key system
- Reverse camera with monitor in cab.

#### **Driveline**

- Steering axle: Kalmar
- Drive axle: Kessler hub end with wet disc brakes
- Motor: Drive motors, 2 x 49.6 hp (37 kW)
- Hydraulics pump motors, 2 x 67 hp (50 kW)
- Accumulator pump motor, 6.8 hp (5.1 kW)
- Power electrics: 120V AC-technology.

#### Hydraulics

- Electric servo
- 2 functions
- Environment-friendly breather filter, hydraulic tank.

#### Body

- Tiltable cab
- Steps with anti-slip protection
- Standard mast tilt angles 14F/10B
- Lifting eyes in mast.

## **Electrical system**

- Electrical system, 24 V
- Rear lights and brake lights, LED
- Working light front fenders 2 pieces, LED
- Working light mast 2 pieces, LED
- Flashing brake lights when reversingIndicator lamps including hazard lights, LED
- Main power switch
- Battery for 8 hours normal intensity operating time and central water topping system option (lead-acid battery).

#### Wheels

- ECG90-160: 12.00×20/20PR
- ECG180: 12.00×20/20PR HD.

## Fleet management

• Equipped with telemetric hardware for Kalmar Insight.

#### Colour

- Cabin: Kalmar Grey (Base ref RAL 7037/75)
- Chassis: Kalmar Red 2012 (Base ref RAL 3000/75)
- Lifting equipment: Kalmar Black (Base ref RAL 7021/30).

### **Documentation and decals**

- Operators manual (printed)
- Maintenance manual (electronic)
- Parts catalogue (electronic)
- Load diagram in cabin
- Warning decals
- Information decals
- Diagram, fuses.





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