Big challenges made easy.

C

Kalmar Heavy Forklifts. DCG380-540



Make light work of heavy loads.

Our new range of heavy forklifts can handle loads of 38 to 54 tonnes with ease.

They have been built to deliver on power and performance - yet designed to feel as agile and smooth to operate as a much smaller machine. No matter what you are lifting in your foundry, factory, terminal or assembly line, the new Kalmar Heavy Forklift will do it efficiently, effectively and safely.

Easier to specify the solution you need.

We understand that your heavy lifting needs are unique to your business, which is why we offer a range of three different wheelbases with two width options so you can choose the combination that works best for your business. There are also a range of masts and attachments to choose from, a simplex mast when you need to operate with restricted head height and duplex and triplex masts when you need to lift your load higher.

Easier to maintain.

With a tiltable cabin, engine hatches instead of a hood, and easily accessible service points, your new heavy forklift will be quicker and easier to maintain. Saving you time and money.

There is also a range of Kalmar Care Service and Maintenance packages that can be tailored to your specific needs to help keep your forklift operating at its best.

Improved lifting.

With a wider carriage with full side shift and fork positioning, you will be able to handle a broader variety of loads a lot easier.



Steel Industry.

Our heavy forklift is able to lift heavy metal coils easily when fitted with a coil ram, allowing you to move coils quicker and more efficiently around the foundry. It is also able to handle a range of heavy steel slabs and pipes.

Wind Industry.

Our new heavy forklifts, when working in tandem, will be able to lift, shift and load wind tower sections that weight in up to 100 tonnes. To lift sections in excess of 100 tonnes you may want to consider our Super Heavy Forklift, when working in tandem it can lift loads in excess of 100 tonnes.

Heavy Industry.

Flat, round or bulky - our new heavy forklift, with a wide range of lifting attachments, will be able to handle all of your heavy lifting needs up to 54 tons.



to adats

Shorter wheelbase models are available for operating in limited space.

用的资源。

A common platform to make things easier.

Built on our proven G-Generation platform you can expect your new heavy forklift to be easier to operate, handle heavy loads and with common diagnostics you can identify and solve issues quickly.

Easier to operate.

Our G-Generation of forklifts all benefit from the same operating environment and controls, making it easier for your drivers to switch between Kalmar machines.

Easier to lift heavy loads.

All of our heavy forklifts come fitted with a variable hydraulic lifting system, which applies exactly the right amount of power to handle your load based on its weight.

Easier to solve issues.

With common control and electrical systems you will be able to identify and trouble shoot any issues easily. Getting the issues solved quicker, means you will achieve a much higher utilisation rate with your new machine.

Improved lifting and lowering rates.

The speed at which you can move materials around your yard impacts your entire business, which is why we have improved the lifting and lowering rates of our heavy forklift over the previous generation.

		DCG380-450	DCG480-540
Lifting	Unloaded (m/s)	0.34	0.28
Speed	At 80% rated load (m/s)	0.32	0.26
Lowering	Unloaded (m/s)	0.42	0.35
Speed	At rated load (m/s)	0.50	0.40
Travelling	Unloaded (km/h)	27/20	27/20
Speed F/R	At 80% rated load (km/h)	27/18	25/18
Drawbar pull	Max. (kN)	350	310
A COMPANY THE COLO		Carl Martin and	

Enhanced cooling system.

Our heavy forklifts now come fitted with a reversible cooling fan that can help keep your radiator clean and operating effectively in dirty or dusty environments.

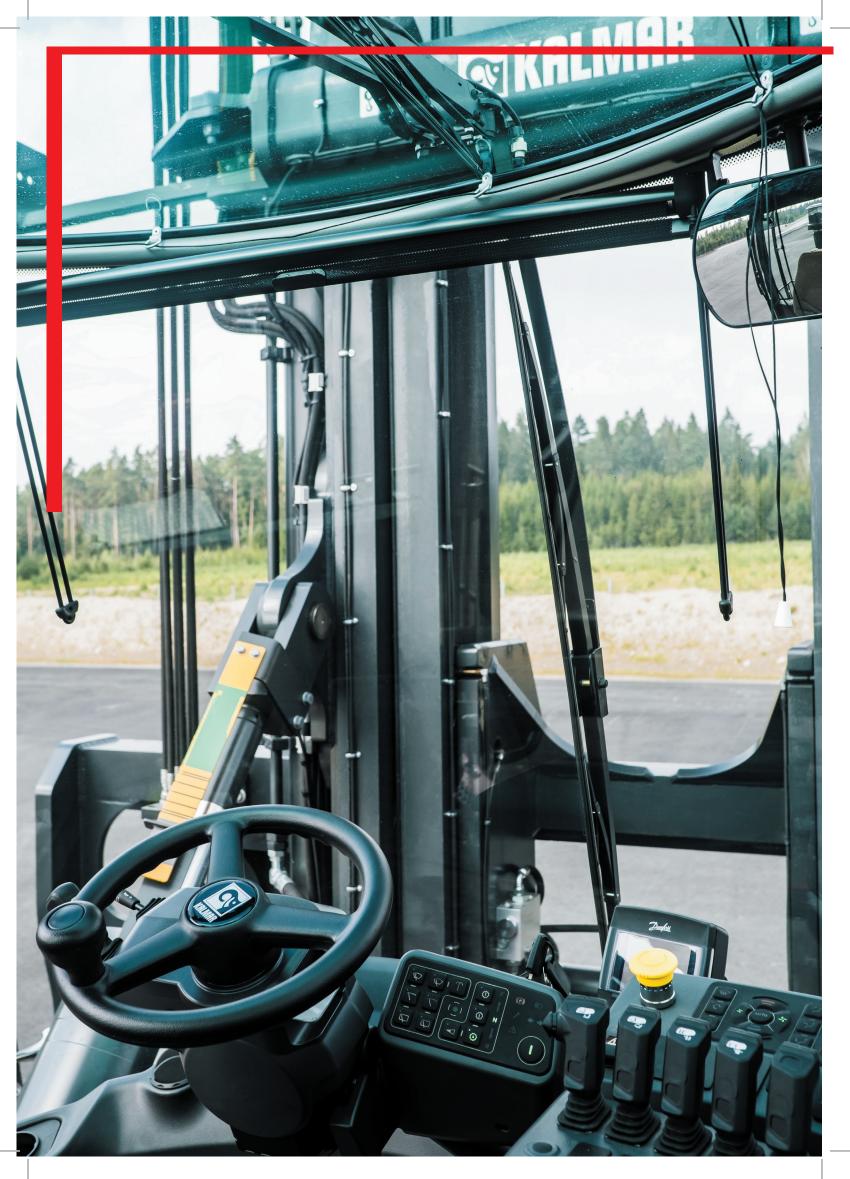




A focus on safety.

To keep your drivers and colleagues safe we have introduced a number of new safety features.

Your drivers will now be safer entering or exiting their forklift, as there are more handrails and bars, plus all the climbing surfaces are non-slip. There are also steps on the right-hand side that can be used to enter or exit the cabin in emergencies. Our EGO cabin provides improved visibility both forwards and backwards and there are a number of additional safety options to make your machine even safer.



Easy to operate.

Our new heavy forklift comes fitted with our ergonomically designed EGO cabin, which provides a superior operating experience for your drivers. With its smart functions and a more intuitive workspace, your drivers will be able to operate at their most productive every day, with ease.

Easier to see.

A-posts have been replaced with slim B-posts, to provide greater visibility in all directions: forwards, backwards, to the side and upwards. Our combined roof/front wiper system cleans a bigger area of the front windscreen and the transparent roof than before, making sure your forward and upwards view stays extra clean and clear at all times.

Easier to operate.

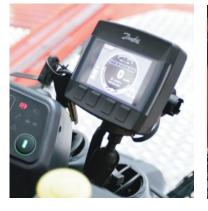
With levers or a new joystick, electronically adjustable work console and side tilt steering wheel, the controls are all designed to minimise driver fatigue and maximise operational efficiency.

Easy on your drivers.

With an adjustable driver's seat, a new fault safe pedal system and climate control system with smarter controls, your operator will benefit from improved ventilation, heating and cooling, plus a cabin with superior interior comfort.

Easily smarter by far.

Our user interface combines sight, sound and touch to create a perfectly balanced operating environment with a new colour display at its heart. Advanced diagnostics allows for greater operational control and safety.









Easy on your pocket.

The initial price of your new forklift is only part of the total running cost of your machine. What really matters is being able to reduce these costs without compromising on the productivity of your new machine, which is why our heavy forklift comes with numerous costs saving features.

Up to 5% reduction in fuel costs from our range of highly efficient up to 0% engines, which are EU Stage 4 or Stage 5 emissions standards compliant.

Save L in fuel costs

Up to 10% reduction in fuel costs from our variable hydraulic systems and cooling fans which adjust their effort to the load being moved.



Up to 25% reduction in fuel with economy drive mode when using ECO-Drive.

Save (up to 🖌 in fuel costs

Save up to 10% in fuel costs.



Up to 10% reduction in fuel costs with a HTE lock-up gearbox as standard, which uses the power your engine produces more effectively.

Choose your own upgrade options.



Reverse Warning System (RWS).

Knowing what's going on behind you is critical when other personnel are present. Four rear sensors and a reversing camera relay real-time information to an in-cabin display, alerting the driver to any dangers, increasing personnel and driver safety.



Heat Protection Package. To protect your machine and operator from extreme heat generated in foundries, where molten metal can reach 2000°C. All hoses in the mast and carriage are heat protected and an extra windshield is fitted to protect the cabin from splashes from the vat.



Alco-Lock. To ensure your driver is at their best when operating your equipment you can install an Alco-Lock system. This system makes sure that the driver meets alcohol blood level standards before being able to start the machine, much like a breathalyser.



Reversible Engine Fan. If your forklift needs to operate in a dirty and dusty environment then a reversible fan can help keep your driveline cleaner and operating optimally.



Reverse Beeper System. When your staff are working side-by-side with moving vehicles there is always a safety risk. Installing a reverse beeper system provides a clear acoustic alert when the machine is reversing so personnel can make sure they stay out of harm's way at all times.

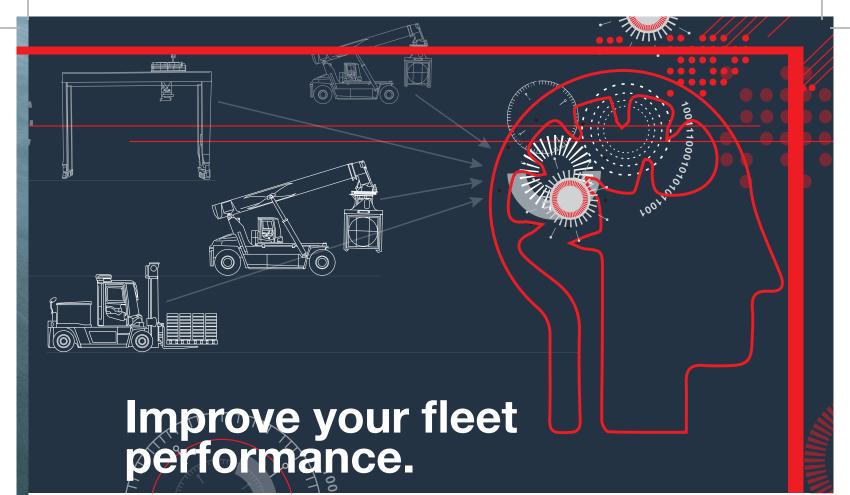
1	70	
	(0)	

Tyre Pressure Monitoring System. Helps to reduce wear and tear on

tyres which results in reduced fuel consumption. Bluetooth sensors keep the driver advised of the condition of the tyres at all times. Active care of your tyres can result in a 10-40% increase in tyre life and up to a 10% decrease in fuel consumption.



Additional lighting. If you have to operate your machine at night, extra lighting can bring greater operational visibility and safety for personnel. You can choose additional LED working lamps on your cabin roof, on the mast or placed at the front or rear of your forklift.



Optimise your forklift 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.

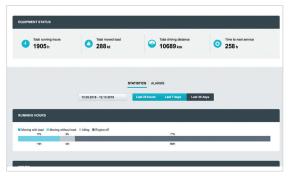
Kalmar Insight* comes fitted in all new Kalmar machines and can be retrofitted to existing Kalmar machines or those built by other manufacturers.



Access on mobile, tablet or traditional screen.











View each operator's performance in real time.

All the support you need.

LIN THEFT LEADERS

Our job doesn't stop once we deliver your new forklift truck. We also offer a range of support services that help to keep your new equipment running at its optimal best. With a global network of over 1500 service and support staff in 120 countries, we will always have someone nearby to give you the support you need.

Making sure your business never stops.

We can offer you four different types of service and maintenance contracts, for any brand of equipment. Each is designed to help you improve your operational efficiency, drive productivity and secure financial predictability. Each contract type includes a set of standardised service modules that you can tailor to meet your business needs. Here is an overview of the four different levels:

The four flexible types of service contracts.

Kalmar Support Care

- We support your maintenance processes on demand.
- Availability of competent people with the right tools
 and parts
- Additional of skills to existing maintenance organisation.

Kalmar Essential Care

- We perform your agreed maintenance tasks proactively.
- Availability of competent people with the right tools and parts
- Higher degree of financial predictability
- Reduced operational risk to customer
- Improved availability of machines.

Kalmar Complete Care

- We meet your complete maintenance requirements.
- PrImproved predictive maintenance
- Low operational risk to customer
- Reduced equipment downtime
- Reduced total cost of operation
- Increased operational predictability.
- Kalmar Optimal Care

We optimise your business performance.

- Guaranteed availability
- Reduced tied-in capital
- Improved business performance
- Increased peace of mind.

Kalmar Genuine Parts.

When the right part matters.

When something needs to be replaced you need a spare part that meets your exact needs – urgently. Kalmar offers a rapid delivery service for over 50,000 premium-quality genuine parts to anywhere in the world, with installation support if needed. You may also want to consider outsourcing all or part of your spare parts management and inventory control. Kalmar Parts Care makes sure critical spare parts are always on hand so your equipment downtime is kept to a minimum. Each Kalmar Parts Care plan is based on your individual needs, so talk to us today and see how we can lift your parts availability, while reducing your inventory costs.

Financing options for you.

Lease or rent.

You may choose to buy your new forklift truck outright or consider leasing or renting your equipment. Kalmar offers a range of leasing and renting options that give you the financial predictability you need and the option to upgrade your equipment after a fixed period. With our leasing packages you can focus on your core operations, while we perform all the service and maintenance needs required by your equipment. Kalmar can also assist you in trading in or re-selling your old equipment. No matter what your service and support needs are, make sure that you speak to your local Kalmar team first.

Kalmar Training Centre.

Our training centre offers a range of courses for both your technicians and operators. Technicians will be given the knowledge that they need to maintain your new equipment in top condition. Operators will be shown how to get more from their equipment. They will learn how to improve the efficiency of their driving and what needs to be checked daily before operating. Courses are a mix of theory and hands-on experience and can be held at Kalmar or at your site.

Performance.

			DCG380-12S	DCG380-12	DCG420-12S
	Lifting speed	Unloaded (m/s)	0.34	0.34	0.34
		At 80 % of rated load (m/s)	0.32	0.32	0.32
	Lowering speed	Unloaded (m/s)	0.42	0.42	0.42
1 VE		At rated load (m/s)	0.50	0.50	0.50
PERFORMANCE, VOLVO TAD1181 VE	Travelling speed,	Unloaded (km/h)	27 / 20	27 / 20	27 / 20
0 TAI		At rated load (km/h)	27 / 18	27 / 18	20 / 18
OLVI	Gradeability, max.	Unloaded (%)	96	104	88
CE, V		At rated load (%)	43	44	40
MAN	Gradeability, at 2 km/h	Unloaded (%)	58	61	54
FORI		At rated load (%)	30	31	28
PER	Drawbar pull	Max. (kN)	350	350	350
	Noise level, inside	LpAZ*, Essential cabin (dB(A))	75	75	75
		LpAZ*, Essential cabin OHG (dB(A))	-	-	-
	Noise level, outside	LWA** (dB(A))	112	112	112

Drivetrains.

			DCG380-540	DCG380-540	DCG380-540				
	Manufacturer's type designation		Volvo TAD 1181VE (Turbo-Intercooler)	Volvo TAD 1171VE (Turbo-Intercooler)	Volvo TAD 1151VE (Turbo-Intercooler)				
	Fuel, type of engine			Diesel, 4-stroke					
	Rating ISO 3046 / at revs	kW / rpm		265 / 1448-2100					
ENGINE	Peak torque ISO 3046 / at revs	Nm / rpm	1785 / 1400	1785 / 1260	1785 / 1260				
ENC	Number of cylinders / displacement	CM ³		6 / 10800					
	Fuel consumption, normal driving	l/h		17-20					
	AdBlue consumption, normal driving	% of diesel	4-6	3-5	N/A				
	Emission standard		Stage V	EU Stage IV/ US EPA Tier 4f	EU Stage IIIA/ US EPA Tier 3				
	Manufacturer's type designation			Dana TE30500					
SC	Clutch, type		Т	orque converter with lock-u	р				
& MI	Gearbox, type		Hydrodynamic Powershift						
Xo	Numbers of gears, forward / reverse		5/3						
GEARBOX & MISC	Alternator, type / power	W		AC / 3080					
GE	Starting battery, voltage / capacity	V / Ah		2×12 / 145					
	Driving axle, manufacturer / type		Kessler D102 / Differential and hub reduction						

Driving axle, manufacturer / type

DCG420-12	DCG450-12S	DCG450-12	DCG480-12S	DCG480-12	DCG520-12	DCG540-12
0.34	0.34	0.34	0.28	0.28	0.28	0.28
0.32	0.32	0.32	0.26	0.26	0.26	0.26
0.42	0.42	0.42	0.35	0.35	0.35	0.35
0.50	0.50	0.50	0.4	0.4	0.4	0.40
27 / 20	27 / 20	27 / 20	27 / 20	27 / 20	27 / 20	27 / 20
22 / 18	15 / 15	17 / 17	25 / 18	25 / 18	25 / 18	25 / 18
95	83	89	59	62	59	58
41	37	38	30	30	29	28
57	52	55	40	41	40	39
28	26	27	21	21	20	20
350	350	350	312	312	312	312
75	75	75	75	75	75	75
-	-	-	-	-	-	-
112	112	112	112	112	112	112

Lifting equipment.

	Lift height	Mast h	neight	Free lift	Mast h	eight	Free lift
	H4	H3 min	H5 max	H2	H3 min	H5 max	H2
			DCG380-450)		DCG480-54	0
	3500			-			
æ	4000	4550	6550	-	5100	7100	-
DUPLEX STANDARD	4500	4800	7050	-	5350	7600	-
TAN	5000	5050	7550	-	5600	8100	-
S X S	5500	5300	8050	-	5850	8600	-
JPLE	6000	5550	8550	-	6100	9100	-
Ы	6500	5800	9050	-	6350	9600	-
	7000	6050	9550	-	6600	10100	-
	3500			Available o	n request		
1	4000						
DUPLEX FFL	4500						
JPLE	5000						
D	5500						
	6000						
TRI.			Av	vailable on request			
	;						
SIMP.			Av	vailable on request			

Dimensions.

Model designation DCG380-123 DCG380-123 DCG380-123 DCG420-123 Power source Densit Densit <tddensit< td=""> Densit Dens</tddensit<>					DCG380-12S	DCG380-12	DCG420-12S
Rated capacity / rated load kg 38000 48000 48000 Total center of draw acle to fork mm 1.4 1030 1000 Service weight mm 1.2 1000 5500 5500 Service weight kg 5400 26700 26400 65000 Ade loading, loaded front kg 65400 26700 26400 26700 26400 Ade loading, loaded front kg 65400 26700 26400 26700 26400 26700 26400 26700 <td></td> <td>Model designation</td> <td></td> <td></td> <td>DCG380-12S</td> <td>DCG380-12</td> <td>DCG420-12S</td>		Model designation			DCG380-12S	DCG380-12	DCG420-12S
Number Open state to fork mm 1.2 1325 Wheelbase mm 1.3 5000 5000 Service weight kg 51400 6900 52000 Ade loading, unloaded front kg 25000 22700 22700 29400 Ade loading, unloaded front kg 25000 22700 27500 25000 Type size, front inch 100000 5000 5000 5000 Type size, front inch 1800-25 27500 27500 Type size, front inch 1800-25 100 5000 Type size, front inch 1800-25 100 100 Type size, front inch 100000 27500 100 Type size, front inch 1000000 100000 100000 Type size, front inch 1000000 100000 1000000 Type size, front inch 50000 1000000 1000000 10000000 Type size, front inch	-	Power source			Diesel	Diesel	Diesel
Number Open state to fork mm 1.2 1325 Wheelbase mm 1.3 5000 5000 Service weight kg 51400 6900 52000 Ade loading, unloaded front kg 25000 22700 22700 29400 Ade loading, unloaded front kg 25000 22700 27500 25000 Type size, front inch 100000 5000 5000 5000 Type size, front inch 1800-25 27500 27500 Type size, front inch 1800-25 100 5000 Type size, front inch 1800-25 100 100 Type size, front inch 100000 27500 100 Type size, front inch 1000000 100000 100000 Type size, front inch 1000000 100000 1000000 Type size, front inch 50000 1000000 1000000 10000000 Type size, front inch	DAT	Rated capacity / rated load	kg		38000	38000	42000
Number Open state to fork mm 1.2 1325 Wheelbase mm 1.3 5000 5000 Service weight kg 51400 6900 52000 Ade loading, unloaded front kg 25000 22700 22700 29400 Ade loading, unloaded front kg 25000 22700 27500 25000 Type size, front inch 100000 5000 5000 5000 Type size, front inch 1800-25 27500 27500 Type size, front inch 1800-25 100 5000 Type size, front inch 1800-25 100 100 Type size, front inch 100000 27500 100 Type size, front inch 1000000 100000 100000 Type size, front inch 1000000 100000 1000000 Type size, front inch 50000 1000000 1000000 10000000 Type size, front inch	AIN	Load center distance	mm	L4		1200	
Number Service weight kg 51400 42400 53800 Ake loading, unloaded front kg 28400 28400 28400 28400 Ake loading, unloaded front kg 8010 82400 22700 27500 Ake loading, unloaded rear kg 6000 22700 27500 Type, front / rear kg 6000 5000 6500 Type, front / rear inch 18.00-25 777 Type size, rear inch 18.00-25 777 Track width, front / rear (x = driven wheels) 4" - 2 77 77 Track width, front / rear (x = driven wheels) 1.0 1.0 1.0 Height of mast civered mm H6 5/10 1.0 Height of mast civered mm H6 5/50 1.0 Truck height for face of forks) mm H6 7550 1.0 Height wheelsting EGO cab / OHG mm T1 4000 1.0 Height wheelsting EGO cab / OHG mm T2 4200	Σ	Load distance, center of drive axle to fork	mm	L2		1305	
Make loading, unloaded front kg 28400 28700 28400 88400 88000 88400 88000 88400 88000 88400 88000 88400 88000 88400 88000 88400 88000 88400 88000 88400 88000 88400 88000 88400 88000 88400 88000 8		Wheelbase	mm	L3	5000	5500	5000
Make loading, unloaded front kg 28400 28700 28400 88400 88000 88400 88000 88400 88000 88400 88000 88400 88000 88400 88000 88400 88000 88400 88000 88400 88000 88400 88000 88400 88000 88400 88000 8							
Mate loading, loaded front kg 83400 822000 884400 Ade loading, unloaded rear kg 26000 22700 22700 Type, front / rear kg 6000 6400 6400 6400 Type, front / rear inch 18.00×25 18.00×25 18.00×25 18.00×25 Type size, rear inch 18.00×25 19.00×25 19.00×25 19.00×25 Number of wheels, front / rear (x = driven wheels) mm 5.000/2825 10.0 10.0 Track width, front / rear mm N 5.000 5.100 10.0 Mast tilt, ∂ = forward / 𝔅 = backward nm H43 5050 10.0 10.0 Truck width, front / rear (x = driven wheels) mm H43 5050 10.0		Service weight	kg		51400	49400	53900
Market Ray Lancet and the regiment of	HTS	Axle loading, unloaded front	kg		26400	26700	26400
Market Ray Lancet and the regiment of	EIGH	Axle loading, loaded front	kg		83400	82000	89400
Mast Uit, ∂ = forward / β = backward P / Pisue Pise / Pise / Pise/Pise/Pise/Pise/Pise/Pise/Pise/Pise/	3	Axle loading, unloaded rear	-				
Type size, front inch 18.00×25 Type size, rear inch 18.00×25 Number of wheels, front / rear (x = driven wheels) 4*-2 Track width, front / rear mm S 3030 / 2825 Track width, front / rear mm S 3030 / 2825 Wast lift, ∂ = forward / 8 = backward ° ∂ /8 5 / 10 Mast lift, ∂ = forward / 8 = backward ° ∂ /8 5 / 10 Height of mast lowered mm H3 5050 Lift height mm H4 5000 Truck height _ EGO / OHG cabin roof mm H8 2500 Seet height mm H8 2500		Axle loading, loaded rear	kg		6000	5400	6500
Type size, front inch 18.00×25 Type size, rear inch 18.00×25 Number of wheels, front / rear (x = driven wheels) 4*-2 Track width, front / rear mm S 3030 / 2825 Track width, front / rear mm S 3030 / 2825 Wast lift, ∂ = forward / 8 = backward ° ∂ /8 5 / 10 Mast lift, ∂ = forward / 8 = backward ° ∂ /8 5 / 10 Height of mast lowered mm H3 5050 Lift height mm H4 5000 Truck height _ EGO / OHG cabin roof mm H8 2500 Seet height mm H8 2500							
Sign Pro Inch 18.00×25 Yro size, rear inch 4'-2 Track width, front / rear mm S 3030 / 2825 Track width, front / rear mm S 3030 / 2825 Track width, front / rear mm S 3030 / 2825 We width, front / rear MPa 1.0 1.0 We width, front / rear MPa 5.050 1.0 We width, front / rear MPa 5.050 1.0 We width, front / rear MPa 5.050 1.0 We width, front / rear mm H4 5000 Lift height of mast lowered mm H4 5000 Lift height of mast oxtended mm H4 5000 Seat height mm H6 3550 1.0 Seat height mm H8 2500 1.0 Width when tilling EGO cab / OHG mm Truck height for face of forks) 7300 7300 Truck height (to face of forks) mm B 4150 1.0 1							
Track width, front / rear mm S 3030 / 2825 Tyre pressure MPa 1.0 Image: Second S	လု						
Track width, front / rear mm S 3030 / 2825 Tyre pressure MPa 1.0 Image: Second S	Ξ	•	inch				
Tyre pressure MPa 1.0 Mast tilt, ∂ = forward / ß = backward ° ∂ /ß 5 / 10 Height of mast lowered mm H3 5050 Lift height of mast lowered mm H4 5000 Lift height of mast extended mm H4 5000 Height of mast extended mm H4 5000 Seat height EGO / OHG cabin roof mf H6 5500 Seat height mm H8 2500	×		mm	e			
Mast tilt, ð = forward / 8 = backward ⁰ / /8 ⁵ / 10 Height of mast lowered mm H3 ⁵ / 10 Lift height mm H4 ⁵ / 10 Height of mast extended mm H4 ⁵ / 10 Fruck height - EGO / OHG cabin roof mm H6 ³⁵⁵⁰ Seat height mm H8 ²⁵⁰⁰ Seat height when tilting EGO cab / OHG mm T1 ⁴⁰⁰⁰ With when tilting EGO cab / OHG mm T1 ⁴⁰⁰⁰ Vitth when tilting EGO cab / OHG mm T1 ⁴⁰⁰⁰ Fork dimensions, width mm R ⁷³⁰⁰ ⁷³⁰⁰ Fork dimensions, length of fork arm mm mm ³⁰⁰⁰ ⁷⁰⁰ Sideshift ± @ width over forks mm V1 /V ⁷⁰⁰ ⁷⁰⁰ Sideshift ± @ width for 90* stacking with forks mm A1 ¹⁰⁰⁰ Min. ailse width for 90* stac				0			
Mask Lin, or 1 ownerd mm H3 50% Height of mast lowered mm H3 5050 Lift height mm H4 5000 Height of mast extended mm H4 5000 Truck height - EGO / OHG cabin roof mm H6 3550 Seat height mm H8 2600 Height when tilting EGO cab / OHG mm T1 4000 Width when tilting EGO cab / OHG mm T2 4200 Truck length (to face of forks) mm B 4150 Truck width mm B 300 7300 Fork dimensions, width mm b 300 7300 Fork dimensions, length of fork arm mm a 135 700 Kith over fork arms, minimum / maximum mm V 3350 / 950 700 Sideshift ± @ width over forks mm A1 10805 10805 Min. ailse width for 90° stacking with forks mm A1 10805 10805 Min. ai		ijie pressure	IVII CL			1.0	
Height of mast lowered mm H3 5050 Lift height mm H4 5000 Height of mast extended mm H5 7550 Truck height - EGO / OHG cabin roof mm H6 3550 Seat height mm H8 2500 Kidth when tilting EGO cab / OHG mm T1 4000 Width when tilting EGO cab / OHG mm T2 4200 Truck length (to face of forks) mm L 7300 7800 7300 Truck width mm B 4150		Mast tilt. ∂ = forward / β = backward	0	д /В		5/10	
Lift height mm H4 5000 Height of mast extended mm H5 7550 Truck height - EGO / OHG cabin roof mm H6 3550 Seat height mm H8 2500 Height when tilting EGO cab / OHG mm T1 4000 Width when tilting EGO cab / OHG mm T2 4200 Truck length (to face of forks) mm L 7300 7800 7300 Truck width mm B 4150			mm				
Truck height - EGO / OHG cabin roofmmH63550Seat heightmmH82500Height when tilting EGO cab / OHGmmT14000Width when tilting EGO cab / OHGmmT24200Truck length (to face of forks)mmL730078007300Truck widthmmB4150		-	mm	H4		5000	
Seat heightmmHB2500Height when tilting EGO cab / OHGmmT14000Width when tilting EGO cab / OHGmmT24200Truck length (to face of forks)mmL730078007300Truck widthmmB4150		Height of mast extended	mm	H5		7550	
NoteHeight when tilting EGO cab / OHGmmT14000Width when tilting EGO cab / OHGmmT24200Truck length (to face of forks)mmL73007300Truck widthmmB4150Fork dimensions, widthmmb300Fork dimensions, thicknessmma135Fork dimensions, thicknessmm12400Fork carriage widthmmb33700Width over fork arms, minimum / maximummmV3350/950Sideshift ± @ width over forksmmV1/V700/1950Ground clearance, laden, below mastmmA11080511305Min, ailse width for 90° stacking with forksmmA169007400Iturning radiusmmR1690011001000Internal turning radiusmmR2100011001000		Truck height – EGO / OHG cabin roof	mm	H6		3550	
Width when tilting EGO cab / OHGmmT24200Truck length (to face of forks)mmL730078007300Truck widthmmB41150700700Fork dimensions, widthmmb300300Fork dimensions, thicknessmma102400Fork dimensions, length of fork armmmb33700Fork carriage widthmmb33700Width over forks arms, minimum / maximummmV3350 / 950Sideshift ± @ width over forksmmV1/V700 / 1950Ground clearance, laden, below mastmmA11080511305Min. ailse width for 90° stacking with forksmmA11080511305Iturning radiusmmR2100011001000		Seat height	mm	H8		2500	
Truck length (to face of forks)mmL730078007300Truck widthmmB4150 <td></td> <td>Height when tilting EGO cab / OHG</td> <td>mm</td> <td>T1</td> <td></td> <td>4000</td> <td></td>		Height when tilting EGO cab / OHG	mm	T1		4000	
Truck widthmmB4150Fork dimensions, widthmmb300Fork dimensions, thicknessmma135Fork dimensions, length of fork armmmI2400Fork carriage widthmmb33700Width over fork arms, minimum / maximummmV3350 / 950Sideshift ± @ width over forksmmV1 / V700 / 1950Ground clearance, laden, below mastmm270Ground clearance, machinemmA11080511305Min. ailse width for 90° stacking with forksmmA1690074006900Internal turning radiusmmR1690011001000		Width when tilting EGO cab / OHG	mm	T2		4200	
Fork dimensions, widthmmb300Fork dimensions, thicknessmma135Fork dimensions, length of fork armmml2400Fork carriage widthmmb33700Width over fork arms, minimum / maximummmV3350 / 950Vidth over fork arms, minimum / maximummmV700 / 1950Sideshift ± @ width over forksmmV1 / V700 / 1950Ground clearance, laden, below mastmmA11080511305Min. ailse width for 90° stacking with forksmmA11080510805Turning radiusmmR1690074006900Internal turning radiusmmR2100011001000	NS	Truck length (to face of forks)	mm	L	7300	7800	7300
Fork dimensions, length of fork armmmI2400Fork carriage widthmmb33700Width over fork arms, minimum / maximummmV3350 / 950Sideshift ± @ width over forksmmV1 / V700 / 1950Ground clearance, laden, below mastmmV1 / V240Min. ailse width for 90° stacking with forksmmA11080511305Turning radiusmmR1690074006900Internal turning radiusmmR2100011001000	NSIO	Truck width	mm			4150	
Fork dimensions, length of fork armmmI2400Fork carriage widthmmb33700Width over fork arms, minimum / maximummmV3350 / 950Sideshift ± @ width over forksmmV1 / V700 / 1950Ground clearance, laden, below mastmmV1 / V240Min. ailse width for 90° stacking with forksmmA11080511305Turning radiusmmR1690074006900Internal turning radiusmmR2100011001000	IMEI		mm				
Fork carriage widthmmb33700Width over fork arms, minimum / maximummmV3350 / 950Sideshift ± @ width over forksmmV1 / V700 / 1950Ground clearance, laden, below mastmm270Ground clearance, machinemmA110805Min. ailse width for 90° stacking with forksmmA110805Turning radiusmmR1690074006900Internal turning radiusmmR2100011001000							
Width over fork arms, minimum / maximummmV3350 / 950Sideshift ± @ width over forksmmV1 / V700 / 1950Ground clearance, laden, below mastmm270Ground clearance, machinemm240Min. ailse width for 90° stacking with forksmmA1108051130510805Turning radiusmmR1690074006900Internal turning radiusmmR2100011001000		-					
Sideshift ± @ width over forksmmV1 / V700 / 1950Ground clearance, laden, below mastmm270Ground clearance, machinemmA110805Min. ailse width for 90° stacking with forksmmA110805Turning radiusmmR1690074006900Internal turning radiusmmR2100011001000		-					
Ground clearance, laden, below mastmm270Ground clearance, machinemmA1240Min. ailse width for 90° stacking with forksmmA1108051130510805Turning radiusmmR1690074006900Internal turning radiusmmR2100011001000							
Ground clearance, machinemm240Min. ailse width for 90° stacking with forksmmA1108051130510805Turning radiusmmR1690074006900Internal turning radiusmmR2100011001000				V1 / V			
Min. ailse width for 90° stacking with forks mm A1 10805 11305 10805 Turning radius mm R1 6900 7400 6900 Internal turning radius mm R2 1000 1100 1000							
Turning radius mm R1 6900 7400 6900 Internal turning radius mm R2 1000 1100 1000		·		A1	10805		10805
Internal turning radius mm R2 1000 1100 1000		-					
		-					
Operating pressure for hydraulicsMPa19.519.521		Operating pressure for hydraulics	MPa		19.5	19.5	21
Hydraulic oil tank, capacity 600	ERS	Hydraulic oil tank, capacity	1			600	
Fuel tank, capacity 450	OTHERS	Fuel tank, capacity	I			450	
AdBlue tank, capacity 35		AdBlue tank, capacity	I			35	

4 + 2 pneumatic / diagonal tyres
 Depending on ECO Drive Mode setting

DCG420-12	DCG450-12S	DCG450-12	DCG480-12S	DCG480-12	DCG520-12	DCG540-12
DCG420-12	DCG450-12S	DCG450-12	DCG480-12S	DCG480-12	DCG520-12	DCG540-12
Diesel						
42000	45000	45000	48000	48000	52000	54000
			1200			
1305	1305	1305	1430	1430	1430	1430
5500	5000	5500	5500	6000	6000	6000
51700	55800	53500	61900	59700	62000	63100
26700	26400	26700	32000	32300	32300	32300
87800	93900	92200	103000	101300	107100	110000
25000	29400	26800	29900	27400	29700	30800
5900	6900	6300	6900	6400	6900	7100
18.00×25	18.00×25	18.00×25	18.00×33	18.00×33	18.00×33	18.00×33
18.00×25	18.00×25	18.00×25	18.00×33	18.00×33	18.00×33	18.00×33
4* - 2	4* - 2	4* - 2	4* - 2			
3030 / 2625	3030 / 2625	3030 / 2625	3030 / 2815	3030 / 2815	3030 / 2815	3030 / 2815
			1.0			
			5 / 10			
5050	5050	5050	5600	5600	5600	5600
			5000			
7550	7550	7550	8100	8100	8100	8100
3550	3550	3550	3650	3650	3650	3650
2500	2500	2500	2600	2600	2600	2600
4000	4000	4000	4100	4100	4100	4100
			4200			
7800	7300	7800	8025	8525	8525	8525
			4150			
			300			
135	135	135	145	145	145	145
			2400			
			3700			
3350 / 950	3350 / 950	3350 / 950	3310 / 990	3310 / 990	3310 / 990	3310 / 990
700 / 1950	700 / 1950	700 / 1950	700 / 1910	700 / 1910	700 / 1910	700 / 1910
			270			
240	240	240	300	300	300	300
11305	10805	11305	12180	12680	12680	12680
7400	6900	7400	8150	8650	8650	8650
1100	1000	1100	1100	1200	1200	1200
21	22	22	22	19.5	21	21.5
			600			
			450			
			35			



Published by Kalmar, part of Cargotec. Copyright © Cargotec 2018. All rights reserved. No part of this publication may be copied or reproduced without permission of the copyright owner. The content of this document is provided "as is", without warranties of any kind with regards to its accuracy or reliability and excluding all implied warranties. We reserve the rights to make changes to any of the items described in this document without prior notice. The content of each service and availability of particular services may vary.

www.kalmarglobal.com