DCG180-330 40,000 - 72,000 lbs capacity.

almar Heavy



A vital part of your logistics.

No chain is stronger than its weakest link, as the saying goes. Nothing could be more true when it comes to managing heavy or bulky components between the key stages of the logistic value chain. On or off ships or trains. Between the foundry and the factory. From assembly to transportation.

This is the domain of the heavy forklift. No other piece of machinery matches a forklift's combination of raw strength, mobility and versatility. But it's a tough job.

The sheer weight of thousands of tons lifted each day wears the mechanics and the materials. Yet the forklift must perform flawlessly every day of the week. Reliably, productively, safely.

Your forklift is a vital part of your logistics or production. In seamless interaction with a skilled operator, the forklift must meet your – and your customer's – demands of product quality and delivery precision, throughout your terminal, factory or assembly line. Looking at your forklifts in this light, the choice of brand will come naturally. Only the best is good enough. Kalmar is equally renowned for its robust and reliable product quality as for its global service network and supreme customer support.

Heavy forklifts are Kalmar territory since 1949 – making your material handling the strongest link in the logistic value chain.

4 good reasons to choose Kalmar

Productivity

Product quality, reliability and maneuvering precision allow operators to work with maximum productivity.

Total cost of ownership

Cost-efficient to own and operate thanks to its adaptability, energy conversion and uptime.

It is no surprise that customer survey results coincide with Kalmar core values. After all, we listen attentively to customers when designing and developing our forklifts. Looking at the big picture, adding up things that truly matter, it will always pay off to choose Kalmar.

Trust and reliability

Kalmar is a trusted partner, present on all continents and with more than 1,500 service and support staff globally.

Ergonomics and safety

Excellent visibility, low noise level, user-friendly adjustments, and more, ensure excellent ergonomics and safety.

Designed for maximum productivity.

KALMAR

Your Kalmar forklift will always deliver what your operations require. With Power mode activated, operators will have the power necessary to go all-in at every instant and work with maximum productivity. Pushing it hard, while ensuring best-in-class fine-maneuvering.

Our Cummins engines are powerful, yet highly fuel efficient. You have a choice of engines which are complaint with EPA Tier 4 Final.

The variable hydraulic pumps automatically sense the load in every operation and adjust the oil flow accordingly, allowing for faster lifting cycles up to 40% while reducing fuel consumption. This will help to improve your productivity as you can do more lifts per hour.



Optional drive modes.

Choose between three different drive modes, each optimized to meet your operational requirements. The forklift can be adapted to every task at hand, shifting many times during the day. The operator easily shifts between modes by using the cabin display screen.



Brings out maximum performance of your machine, allowing you to increase the number of tons moved per hour. Many operators testify to the forklift's improved operational capabilities, especially when fine maneuvering, such as side-shift and fork positioning. Also, the lowering speed has been increased, preparing the machine faster for the next lift.

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Balances power and economy to optimize profitability.

Economy

If total cost of operations outweighs the need for performance, Economy mode reduces fuel consumption by up to 15%.

* DCG180-250, lift/lowering speed compared to DCF180-250.

Reducing lifetime costs.

Purchase price is only one of many factors affecting total cost of ownership. In fact, price is a minor cost factor looking over the lifetime of your forklift. What truly matters in the long run is cost control and operational efficiency – and that will show clearly on your bottom line.

Compared to our previous model, the new DCG180-330 uses up to 15% less fuel* in standard configuration. Add Kalmar's renowned product quality and reliability, increasing efficiency and uptime, and you see the true value of Kalmar.

The forklift's variable hydraulic pumps and fan are automatically adjusted to the precise need. The pumps and the fan are only operated at full speed when necessary, reducing fuel consumption and noise. Another cost saving feature is the optional Economy mode, an engine setting available to the operator from within the cabin, which further lowers fuel consumption.

Thanks to improved and more durable components, service intervals have been extended. The first service is due after 500 hours, compared to 50 hours for our previous model.

The risk of unplanned standstills has been reduced due to intelligent error detection built into the new control system, which accurately pinpoints potential problems in clear text on a display in the cabin.

Cost saving features.



Fuel-efficient engine.

The new Stage V and Tier 4 Final compliant engines reduce fuel consumption by up to 5%*.



Economy drive mode.

Using an optional Economy drive mode, fuel consumption is reduced by up to 15%.



Energy efficient systems.

Optimized variable hydraulic system and variable cooling fan allows for savings up to 10%.



Increased uptime.

Longer service intervals and improved problem detection reduce downtime.

Total lifetime savings.

Adding all energy saving features, savings up to **30%** are possible.

* Compared to Kalmar DCF180-330 with Stage IIIB engine.



Lifetime savings

Purchase price represents only a small part of the total cost of ownership. What matters in the long run is reducing operational and maintenance costs. And that is what Kalmar is all about.

Prioritizing safety and operator ergonomics.

Safety always comes first. Kalmar makes every effort to guarantee that our machines are safe to operate at every worksite around the world. We spend extensive R&D resources to ensure the driver's environment in the cabin is optimal regarding ergonomics, visibility and noise.

Our spacious EGO cabin offers the ultimate in ergonomics and safety. Numerous electronically operated adjustments allow the operator to tailor his workplace. The curved windows, which greatly improve visibility, have already become a classic with Kalmar.

The wheel is tiltable sideways, allowing the operator to temporarily change his visual angle, to see around bulky load in front of him. A new 11.8" lower carriage, available with the DCG180–250 versions, further improves visibility in the forward direction.



The operator console is the operator's extended arm, easy to understand, use and adjust. Designed for maximum ergonomics and flexibility, the console puts controls, switches and indicators within easy reach to the operator, ensuring the most efficient forklift operation possible.

Kalmar Lifetime Services.

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 operator's performance in real time.

When the right part matters.

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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.

24 hrs Most of our parts can be delivered to you within 24 hours.

Financing options for you.

You may choose to buy your new forklift 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 your service and maintenance needs. Kalmar can also look at you trading-in your old equipment.

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



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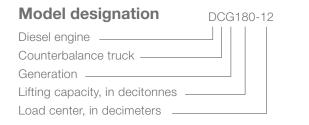
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Kalmar Training Center.

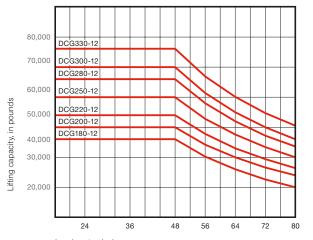
For your team to get the most out of their new forklift the Kalmar Training Center offers a range of courses for both your technicians and operators. Operators will be shown how to optimize their day-to-day operational performance and what needs to be checked daily before operations begin.

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 that can be held at your site.





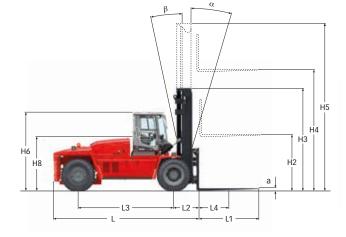
Lifting capacity in pounds



Load center, inch

DCG180-250: Full lifting capacity up to 276 in lift height with duplex/duplex freelift masts, integrated sideshift/fork positioning carriage and forkshaft system.

DCG280-330: Full lifting capacity up to 276 in lift height with duplex/duplex freelift masts, integrated sideshift/fork positioning carriage and forkshaft system.

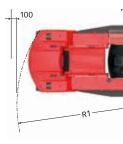


Operating Description DCG220-12 DCG220-12 DCG220-12 Power source Reted capacity / rated load bis Ladd eithines, center distance in L4 48 48 48 Load either distance, center of threate to fork in L3 157 157 157 Able loading, unloaded front bis action to threat the source 02830 65700 68785 Able loading, unloaded front bis 33070 33070 33070 33070 Able loading, loaded front bis 2775 7825 7655 10275 109130 The size, front in in in 14.00-24 14.00-24 14.00-24 14.00-24 Three size, front / rear in in S 877.87 877.87 877.87 877.87 Three size, front / rear in Number of wheels, front / rear in H3 170 170 Three size, front / rear in H3 170 170 170 Three size, front / rear					DCG180-12	DCG200-12	DCG220-12	DCG250-12
Note that the second of the second	ľ	Model designation			DCG180-12	DCG200-12	DCG220-12	DCG250-12
Wheelbase in L3 157 157 157 Service weight bs 62830 65700 68785 Axle loading, loaded front bs 33070 33070 33070 Axle loading, unloaded front bs 39555 102075 109130 Axle loading, loaded rear bs 29760 32630 35715 Axle loading, loaded rear bs 7275 7625 7655 The size, front / rear in 14.00x24 14.00x24 14.00x24 Number of wheels, front / rear (x = driven wheels) in S 777 87.787 The size, rear in S 145 145 145 Mast tilt, α = forward / β = backward α / β 5/10 5/10 5/10 Three resure psi 145 145 145 145 Mast tilt, α = forward / β = backward α / β 5/10 5/10 5/10 Seat height in H8 177 177 177 <t< td=""><td>E F</td><td>Power source</td><td></td><td></td><td>Diesel</td><td>Diesel</td><td>Diesel</td><td>Diesel</td></t<>	E F	Power source			Diesel	Diesel	Diesel	Diesel
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Wheelbase in L3 157 157 157 Service weight bs 62830 66700 68785 Axle loading, unloaded front bs 33070 33070 33070 Axle loading, unloaded rear bs 98555 12075 109100 Axle loading, unloaded rear bs 2760 32630 35715 Axle loading, unloaded rear bs 2775 7625 7655 Tire size, rear in 14.00×24 14.00×24 14.00×24 Number of wheels, front / rear (x = driven wheels) 14.00×24 14.00×24 14.00×24 Tree size, rear in S 7/87 87/87 Tire size, rear in S 145 145 Mast tilt, $\alpha = forward / \beta = backward \alpha / \beta \alpha / \beta 5/10 5/10 6/10 Height of mast extended in H3 170 170 170 Tuck height = EO/ / HG cabin roof in H8 85 85 85 Height of mast $	j L	Load center distance	in	L4	48	48	48	48
Service weight Ibs 62830 65700 68785 Axle loading, unloaded front Ibs 33070 33070 33070 Axle loading, unloaded front Ibs 95555 102075 109130 Axle loading, unloaded rear Ibs 9760 32830 35715 Axle loading, unloaded rear Ibs 7275 7625 7655 Tire size, front in 14.00×24 14.00×24 14.00×24 Number of wheels, front / rear (x = driven wheels) 4'-2 4'-2 4'-2 Trice kindth, front / rear in S 87/87 87/87 Mast tilt, $\alpha = forward / \beta = backward \alpha / \beta 4'15 145 145 Height of mast towered in H3 170 170 170 If height of mast towered in H3 170 170 170 Height of mast towered in H3 170 170 170 Trice keight in H3 170 170 170 Height o$	É L	Load distance, center of drive axle to fork	in	L2	42	42	42	42
Axe loading, unloaded front lbs 33070 33070 33070 Axe loading, unloaded front lbs 985555 102075 109130 Axe loading, unloaded rear lbs 22760 32620 35715 Axe loading, unloaded rear lbs 7275 7625 7655 The size, front in 14.00x24 14.00x24 14.00x24 Number of wheels, front / rear (x = driven wheels) 4'-2 4'-2 4'-2 Track width, front / rear (x = driven wheels) in S 87/87 87/87 The size, rear in S 87/87 87/87 87/87 The pressure psi 145 145 145 Mast tilt, α = forward / β = backward * α / β 5/10 5/10 5/10 Int height in H3 170 170 170 170 Int keight - EGO / OHG cabin roof in H4 197 197 197 Height when tilting EGO cab / OHG in T1 150 150 150 Width when tilting EGO cab / OHG in T2	V	Wheelbase	in	L3	157	157	157	167
Axle loading, loaded rear Ibs 7275 7625 7655 Type, front / rear in 14.00×24 14.00×24 14.00×24 14.00×24 The size, front in 14.00×24 14.00×24 14.00×24 14.00×24 Number of wheels, front / rear (x = driven wheels) in S 87 / 87 87 / 87 87 / 87 The size, rear in S 87 / 87 87 / 87 87 / 87 87 / 87 The pressure psi 145 145 145 145 Mast tilt, $\alpha =$ forward / $\beta =$ backward $^{\circ}$ α / β 5/10 5/10 5/10 Height of mast schended in H3 170 170 170 Lith height of mast schended in H6 130 130 130 Beat height EGO (OHG cabin roof in H6 130 130 130 Height when tilting EGO cab / OHG in T1 150 150 150 Width when tilting EGO cab / OHG in T2 <t< td=""><td>S</td><td>Service weight</td><td>lbs</td><td></td><td>62830</td><td>65700</td><td>68785</td><td>72530</td></t<>	S	Service weight	lbs		62830	65700	68785	72530
Axte loading, loaded rear Ibs 7275 7625 7655 Type, front / rear in 14.00x24 14.00x24 14.00x24 14.00x24 Tire size, rear in 14.00x24 14.00x24 14.00x24 14.00x24 Number of wheels, front / rear (x = driven wheels) in S 87 / 87 87 / 87 87 / 87 Tree kwidth, front / rear in S 87 / 87 87 / 87 87 / 87 Mast tilt, $\alpha =$ forward / $\beta =$ backward α / β 5/10 5/10 5/10 Height of mast stended in H3 170 170 170 Height of mast stended in H4 197 197 197 Feek with when tilting EGO cab / OHG in T1 150 150 150 With when tilting EGO cab / OHG in T1 150 150 150 With when tilting EGO cab / OHG in T1 150 150 150 With when tilting EGO cab / OHG in T1 14.3 4.3	F	Axle loading, unloaded front	lbs		33070	33070	33070	34170
Axte toading, toaded rear Ibs 7275 7625 7655 The size, front in 14.00×24 14.00×24 14.00×24 14.00×24 The size, front in 14.00×24 14.00×24 14.00×24 14.00×24 The size, front in S 87 / 87 87 / 87 87 / 87 The size, front in S 87 / 87 87 / 87 87 / 87 The pressure psi 145 145 145 Mast tilt, $\alpha =$ forward / $\beta =$ backward α / β 5/10 5/10 5/10 Height of mast stended in H3 170 170 170 Lit height - EGO / OHG cabin roof in H6 130 130 130 Seat height in H8 85 85 85 85 Fork dimensions, width in B 120 120 120 Tuck width for fork arms in I 94.5 94.5 94.5 Fork dimensions, width in	F	Axle loading, loaded front	lbs		95555	102075	109130	118610
True kreat True kreat True kreat True kreat Number of wheels, front / rear (x = driven wheels) True kriation of the start in the sta	1	Axle loading, unloaded rear	lbs		29760	32630	35715	38360
The size, front in 14.00x24 14.00x24 14.00x24 14.00x24 The size, rear in 14.00x24 14.00x24 14.00x24 14.00x24 Number of wheels, front / rear (x = driven wheels) Track width, front / rear (x = driven wheels) $4^4 - 2$ $4^4 - 2$ $4^4 - 2$ The pressure psi 145 87/87 87/87 87/87 Mast tilt, $\alpha = forward / \beta = backward$ $\circ \alpha / \beta$ 5/10 5/10 5/10 Mast tilt, $\alpha = forward / \beta = backward$ in H3 170 170 Height of mast lowered in H3 170 170 170 Lift height in H4 197 197 197 Set height for mast extended in H6 130 130 130 Set height in H8 85 85 85 85 Truck height - thore of forks) in I 150 150 150 Width when tilting EGO cab / OHG in T2 146 146	P	Axle loading, loaded rear	lbs		7275	7625	7655	8920
The size, rear in 14.00x24 14.00x24 14.00x24 Number of wheels, front / rear (x = driven wheels) in S $A^2 - 2$ $A^2 - 2$ $A^2 - 2$ $A^2 - 2$ Track width, front / rear (x = driven wheels) in S $B7/87$	7	Type, front / rear						Pneumatic / Pneumat
If Tack width, from Pream in S 67/67 67/67 67/67 67/67 Tire pressure psi 145 145 145 145 Mast tilt, $\alpha = forward / \beta = backward ° \alpha / \beta 57/10 57/10 57/10 Height of mast lowered in H3 170 170 170 170 Lift height fm ast extended in H3 170 170 170 Seat height in H5 269 269 269 269 Truck height - EGO / OHG cabin roof in H6 130 130 130 Seat height in H8 85 85 85 Width when tilting EGO cab / OHG in T1 150 150 Widt when tilting EGO cab / OHG in T2 146 146 Truck length (to face of forks) in L 240 240 240 Fork dimensions, width in b 9.8 9.8 9.8 9.8 $			in		14.00×24	14.00×24	14.00×24	14.00×24
If Tack width, from Pear in S 67/67 67/67 67/67 67/67 Tire pressure psi 145 145 145 145 Mast tilt, $\alpha = forward / \beta = backward ° \alpha / \beta 57/10 57/10 57/10 Height of mast lowered in H3 170 170 170 Lift height in H4 197 197 197 Height of mast extended in H4 197 197 Seat height in H5 269 269 269 Truck height – EGO / OHG cabin roof in H8 85 85 85 Seat height in H8 85 85 85 85 Width when tilting EGO cab / OHG in T2 146 146 146 Truck length (to face of forks) in L 240 240 240 Truck width in B 120 120 120 Fork dimensions, width in b 9.8 9.8 9.8 Fork dimensions, length $	Т	Tire size, rear	in		14.00×24	14.00×24	14.00×24	14.00×24
If Tack width, from Pream in S 67/67 67/67 67/67 67/67 Tire pressure psi 145 145 145 145 Mast tilt, $\alpha = forward / \beta = backward ° \alpha / \beta 57/10 57/10 57/10 Height of mast lowered in H3 170 170 170 Lift height in H4 197 197 197 Height of mast extended in H4 197 197 197 Height of mast extended in H5 269 269 269 Truck height - EGO / OHG cabin roof in H6 130 130 130 Seat height in H8 85 85 85 85 Width when tilting EGO cab / OHG in T1 150 150 150 Width when tilting EGO cab / OHG in T2 146 146 146 Truck length (to face of forks) in L 240 240 240 $	L L	Number of wheels, front / rear (x = driven wheels)			4* - 2	4* - 2	4* - 2	4* - 2
Mast tilt, $\alpha = forward / \beta = backward \alpha / \beta 5/10 5/10 5/10 5/10 Height of mast lowered in H3 170 170 170 Lift height in H4 197 197 197 Height of mast extended in H4 197 197 197 Truck height - EGO / OHG cabin roof in H6 130 130 130 Seat height in H8 85 85 85 Height when tilting EGO cab / OHG in T1 150 150 150 Width when tilting EGO cab / OHG in T2 146 146 146 Truck width in B 120 120 120 120 Fork dimensions, width in b 9.8 9.8 9.8 9.8 Fork dimensions, length of fork arm in I 94.5 94.5 94.5 Width over fork arms, minimum / maximum in V1 V22/ 62.4 22/ 62.4 22$	Т	Track width, front / rear	in	S	87 / 87	87 / 87	87 / 87	87 / 87
Match Hy Construct B (1) B (1) B (1) B (1) Height of mast lowered in H3 170 170 170 Lift height in H4 197 197 197 Height of mast extended in H4 197 197 197 Height - EGO / OHG cabin roof in H6 130 130 130 Seat height EGO (26 / OHG cabin roof in H6 130 130 130 Seat height when tilting EGO cab / OHG in T1 150 150 150 Width when tilting EGO cab / OHG in T1 150 150 150 Width when tilting EGO cab / OHG in T1 150 150 150 Width when tilting EGO cab / OHG in T2 146 146 146 Truck leight (to face of forks) in L 240 240 240 Truck width in b 9.8 9.8 9.8 9.8 For	Т	Tire pressure	psi		145	145	145	145
Height of mast lowered in H3 170 170 170 Lift height in H4 197 197 197 Height of mast extended in H5 269 269 269 Truck height - EGO / OHG cabin roof in H6 130 130 130 Seat height in H6 130 150 150 Width when tilting EGO cab / OHG in T1 150 150 150 Width when tilting EGO cab / OHG in T2 146 146 146 Truck length (to face of forks) in L 240 240 240 Truck width in B 120 120 120 120 Fork dimensions, width in b 9.8 9.8 9.8 9.4.5 Fork dimensions, length of fork arm in I 94.5 94.5 94.5 Fork dimensions, length of fork arms in V1 /V 22 / 62.4 22 / 62.4 22 / 62.4 <	P	Mast tilt, α = forward / β = backward	0	α/β	5/10	5/10	5/10	5/10
Height of mast extended in H5 269 269 269 Truck height – EGO / OHG cabin roof in H6 130 130 130 Seat height in H8 85 85 85 Height when tilting EGO cab / OHG in T1 150 150 150 Width when tilting EGO cab / OHG in T2 146 146 146 Truck length (to face of forks) in L 2400 240 240 Truck width in B 120 120 120 120 Fork dimensions, with in b 9.8 9.8 9.8 9.8 Fork dimensions, length of fork arm in I 94.5 94.5 94.5 Fork dimensions, length of fork arms in V1 /V 22 / 62.4 22 / 62.4 22 / 62.4 Ground clearance, laden, below mast in T1 365 365 365 Turning radius in R1 220 220 220 <td>E.</td> <td>Height of mast lowered</td> <td>in</td> <td>H3</td> <td>170</td> <td>170</td> <td>170</td> <td>170</td>	E.	Height of mast lowered	in	H3	170	170	170	170
Truck height – EGO / OHG cabin roof in H6 130 130 130 Seat height in H8 85 85 85 85 Height when tilting EGO cab / OHG in T1 150 150 150 Width when tilting EGO cab / OHG in T2 146 146 146 Truck length (to face of forks) in L 240 240 240 Truck width in B 120 120 120 Fork dimensions, width in b 9.8 9.8 9.8 Fork dimensions, length of fork arm in I 94.5 94.5 94.5 Fork dimensions, length of fork arm in b3 - - - Width over fork arms, minimum / maximum in V 106/31.5 106/31.5 106/31.5 Sideshift ± @ width over forks in V1 /V 22/62.4 22/62.4 22/62.4 Ground clearance, laden, below mast in A1 365 365	L	Lift height	in	H4	197	197	197	197
Seat height in H8 85 85 85 Height when tilting EGO cab / OHG in T1 150 150 150 Width when tilting EGO cab / OHG in T2 146 146 146 Truck length (to face of forks) in L 240 240 240 Truck width in B 120 120 120 Fork dimensions, width in b 9.8 9.8 9.8 Fork dimensions, length of fork arm in I 94.5 94.5 94.5 Fork carriage width in V 106/31.5 106/31.5 106/31.5 106/31.5 Sideshift ± @ width over forks in V1 / V 22/62.4 22/62.4 22/62.4 22/62.4 Ground clearance, laden, below mast in T1 365 365 365 Turning radius in R1 220 220 220 Internal turning radius in R1 2202 220 220	Ŀ	Height of mast extended	in	H5	269	269	269	269
Height when tilting EGO cab / OHG in T1 150 150 Width when tilting EGO cab / OHG in T2 146 146 146 Truck length (to face of forks) in L 240 240 240 Truck width in B 120 120 120 120 Fork dimensions, width in b 9.8 9.8 9.8 9.8 Fork dimensions, length of fork arm in I 94.5 94.5 94.5 Fork carriage width in b3 - - - Width over fork arms, minimum / maximum in V 106/31.5 106/31.5 106/31.5 Sideshift ± @ width over forks in V1 / V 22/62.4 22/62.4 22/62.4 Ground clearance, laden, below mast in T1 365 365 365 Turning radius in R1 220 220 220 Internal turning radius in R1 220 220 220 </td <td>Т</td> <td>Truck height – EGO / OHG cabin roof</td> <td>in</td> <td>H6</td> <td>130</td> <td>130</td> <td>130</td> <td>130</td>	Т	Truck height – EGO / OHG cabin roof	in	H6	130	130	130	130
Width when tilting EGO cab / OHGinT2146146146Truck length (to face of forks)inL240240240Truck widthinB120120120Fork dimensions, widthinb9.89.89.8Fork dimensions, thicknessina4.34.34.3Fork dimensions, length of fork arminI94.594.594.5Fork carriage widthinb3Width over fork arms, minimum / maximuminV106/31.5106/31.5106/31.5Sideshift ± @ width over forksinA1365365365Ground clearance, laden, below mastinA1365365365Turning radiusinR1220220220220Internal turning radiusinR2771717	S	Seat height	in	H8	85	85	85	85
Truck length (to face of forks)inL240240240Truck widthinB120120120Fork dimensions, widthinb9.89.89.8Fork dimensions, thicknessina4.34.34.3Fork dimensions, thicknessininb9.594.5Fork dimensions, length of fork arminb3Fork carriage widthinb3Width over fork arms, minimum / maximuminV106/31.5106/31.5106/31.5Sideshift ± @ width over forksinV1 / V22/62.422/62.422/62.4Ground clearance, laden, below mastin12121212Min. ailse width for 90° stacking with forksinA1365365365Turning radiusinR1220220220220Internal turning radiusinR217172001	ŀ	Height when tilting EGO cab / OHG	in	T1	150	150	150	150
Truck width in B 120 120 120 Fork dimensions, width in b 9.8 9.8 9.8 Fork dimensions, thickness in a 4.3 4.3 4.3 Fork dimensions, length of fork arm in I 94.5 94.5 94.5 Fork carriage width in b3 - - - Width over fork arms, minimum / maximum in V 106/31.5 106/31.5 106/31.5 Sideshift ± @ width over forks in V1 / V 22/62.4 22/62.4 22/62.4 Ground clearance, laden, below mast in - - - - Min. ailse width for 90° stacking with forks in A1 365 365 365 Turning radius in R1 220 220 220 220 Internal turning radius in R2 17 17 7 7	V	Width when tilting EGO cab / OHG	in	T2	146	146	146	146
Fork carriage width in b o	т	Truck length (to face of forks)	in	L	240	240	240	250
Fork carriage width in b o	іт	Truck width	in	В	120	120	120	120
Fork carriage width in b o	F	Fork dimensions, width	in	b	9.8	9.8	9.8	9.8
Fork carriage width in b b b b b b b b b b b b b b b b b b c	F	Fork dimensions, thickness	in	а	4.3	4.3	4.3	4.3
Width over fork arms, minimum / maximum in V 106/31.5 106/31.5 106/31.5 Sideshift ± @ width over forks in V1 / V 22/62.4 22/62.4 22/62.4 22/62.4 Ground clearance, laden, below mast in - - - - Ground clearance, machine in A1 365 365 365 Min. ailse width for 90° stacking with forks in R1 220 220 220 Internal turning radius in R2 17 17 17	F	Fork dimensions, length of fork arm	in	1	94.5	94.5	94.5	94.5
Sideshift ± @ width over forks in V1 / V 22 / 62.4 22 / 62.4 22 / 62.4 Ground clearance, laden, below mast in - - - - Ground clearance, machine in A1 365 365 365 Min. ailse width for 90° stacking with forks in R1 220 220 220 Internal turning radius in R2 17 17 7	F	Fork carriage width	in	b3	-	-	-	-
Ground clearance, laden, below mast in - - - Ground clearance, machine in 12 12 12 Min. ailse width for 90° stacking with forks in A1 365 365 Turning radius in R1 220 220 220 Internal turning radius in R2 17 17 201	V	Width over fork arms, minimum / maximum	in	V	106 / 31.5	106 / 31.5	106 / 31.5	106 / 31.5
Ground clearance, machine in 12 12 12 Min. ailse width for 90° stacking with forks in A1 365 365 365 Turning radius in R1 220 220 220 Internal turning radius in R2 17 17 17	5	Sideshift ± @ width over forks	in	V1 / V	22 / 62.4	22 / 62.4	22 / 62.4	22 / 62.4
Min. ailse width for 90° stacking with forks in A1 365 365 365 Turning radius in R1 220 220 220 Internal turning radius in R2 17 17 17	C	Ground clearance, laden, below mast	in		-	-	-	-
Turning radius in R1 220 220 Internal turning radius in R2 17 17	C	Ground clearance, machine	in		12	12	12	12
Internal turning radius in R2 17 17 17 17	P	Min. ailse width for 90° stacking with forks	in	A1	365	365	365	376
Operating pressure for hydraulies pei 2202 2611 2001	Т	Turning radius	in	R1	220	220	220	231
Operating pressure for hydraulicspsi239326112901Hydraulic oil tank, capacitygal9595	- P	Internal turning radius	in	R2	17	17	17	22
Hydraulic oil tank, capacity gal 95 95 95		Operating pressure for hydraulics	psi		2393	2611	2901	3191
	ŀ							95
EFuel tank, capacitygal797979	F	Fuel tank, capacity			79	79	79	99
Diesel exhaust fluid (DEF) tank, capacity gal 9 9 9	í r		-		9	9	9	9

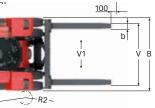


DCG200-12

DCG180-12



DCG220-12



DCG250-12	DCG280-12	DCG300-12	DCG330-12
DCG250-12	DCG280-12	DCG300-12	DCG330-12
Diesel	Diesel	Diesel	Diesel
55000	60500	66000	72000
48	48	48	48
42	45	45	45
167	187	187	187
72530	84435	87085	91490
34170	45195	45195	45195
118610	136025	143605	152910
38360	39240	41890	46295
8920	8910	9480	10580
Pneumatic / Pneumatic			
14.00×24	16.00×25	16.00×25	16.00×25
14.00×24	16.00×25	16.00×25	16.00×25
4* - 2	4* - 2	4* - 2	4* - 2
87 / 87	94 / 100	94 / 100	94 / 100
145	145	145	145
5/10	5/10	5/10	5/10
170	178	178	178
197	197	197	197
269	276	276	276
130	136	136	136
85	91	91	91
150	150	150	150
146	150	150	150
250	273	273	273
120	135	135	135
9.8	11.8	11.8	11.8
4.3	4.3	4.3	4.3
94.5	94.5	94.5	94.5
-	-	-	-
106 / 31.5	124 / 33.5	124 / 33.5	124 / 33.5
22 / 62.4	24.6 / 74.8	24.6 / 74.8	24.6 / 74.8
-	-	-	-
12	12	12	12
376	406	406	406
231	262	262	262
22	37	37	37
3191	2828	2973	3191
95	95	95	95
99	119	119	119
9	9	9	9

Drivetrain.

			DCG180-250	DCG280-330
	Manufacturer's type designation		Cummins B6,7 (Turbo-Intercooler)	Cummins B6,7 (Turbo-Intercooler)
	Fuel, type of engine		Diesel, 4-stroke	Diesel, 4-stroke
	Rating ISO 3046 / at revs	hp / rpm	225 / 2200	225 / 2200
Щ	Max rpm in machine		2000	2150
ENGINE	Peak Power / at revs	hp / rpm	252 / 1900	252 / 1900
EN	Peak torque ISO 3046 / at revs	lbf-ft / rpm	700 / 1500	700 / 1500
	Number of cylinders / displacement	ber of cylinders / displacement in ³		6 / 409
	Fuel consumption, normal driving gal/hr		2.4 - 2.9	3.4 - 4.0
	DEF consumption, normal driving	% of diesel	4-6	4-6
	Emission standard		Stage V / Tier 4 final	Stage V / Tier 4 final
	Manufacturer's type designation		Dana TE17000	Dana TE17000
MISC	Clutch, type		Torque converter	Torque converter
Σ	Gearbox, type		Hydrodynamic Powershift	Hydrodynamic Powershift
X 8	Numbers of gears, forward / reverse		3/3	3/3
BO	Alternator, type / power	W	AC / 1960	AC / 1960
GEARBOX &	Starting battery, voltage / capacity	V / Ah	2×12 / 145	2×12 / 145
U	Driving axle, manufacturer / type		Kessler D91 / Differential and hub reduction	AxleTech / Differential and hub reduction

Performance.

Cu	mmins engines		DCG180-12	DCG200-12	DCG220-12	DCG250-12	DCG280-12	DCG300-12	DCG330-12
	Lifting speed	Unloaded (ft/s)	1.28	1.28	1.28	1.28	1.21	1.21	1.21
		At 80% rated load (ft/s)	1.21	1.21	1.21	1.21	1.15	1.15	1.15
final	Lowering speed	Unloaded (ft/s)	1.12	1.12	1.12	1.12	1.05	1.05	1.05
er 4		At rated load (ft/s)	1.31	1.31	1.31	1.31	1.31	1.31	1.31
/ Tie	Traveling speed, F / R	Unloaded (mph)	17 / 17	17 / 17	17 / 17	17 / 17	17 / 17	17 / 17	17 / 17
>		At rated load (mph)	14 / 14	14/14	14 / 14	14/14	15 / 15	15/15	15 / 15
Stage	Gradeability, max.	Unloaded (%)	91	84	78	72	61	59	55
7 Si		At rated load (%)	45	41	38	35	31	30	27
B6,7	Gradeability, at 2 km/h	Unloaded (%)	60	56	53	49	43	41	39
		At rated load (%)	33	30	28	26	23	22	20
UMMINS	Drawbar pull	Max. (lbf)	40464	40464	40464	40464	44286	44286	44286
NU	Noise level, inside	LpAZ*, EGO cabin (dB(A))	75	75	75	75	75	75	75
0		LpAZ*, EGO cabin OHG (dB(A))	-	-	-	-	-	-	-
	Noise level, outside	LWA** (dB(A))	110	110	110	110	110	110	110

* Noise level according to EN12053 ** Noise level according to 2000/14/EC FIGEE



Lifting equipment.

We offer a full range of duplex, triplex and free-lift equipment. Based on our long tradition as a supplier of heavy forklifts, our lifting equipment is robust and of the highest quality.

		Mas		ight Free lift		Mast height		
	Lift height H4	H3 min	H5 max	H2	H3 min	H5 max	H2	
		DCG180-250				DCG280-330		
	118	131	190	-	139	198		
	138	141	209	-	148	217	-	
0	157	150	229	-	158	237	-	
STD	177	160	249	-	168	257	-	
DUPLEX	197	170	269	-	178	276	-	
Idn	217	180	288	-	188	296	-	
Ω	236	190	308	-	198	316	-	
	256	200	328	-	207	335	-	
	276	209	347	-	217	355	-	

		Mast height		Free lift	Mast height		Free lift
	Lift height H4	H3 min	H5 max	H2	H3 min	H5 max	H2
			DCG180-250			DCG280-330	
	118	135	194	59	139	198	59
	138	144	213	69	148	217	69
	157	154	233	79	158	237	79
DUPLEX FFL	177	164	253	89	168	257	89
Ĕ	197	174	272	98	178	276	98
DUP	217	184	292	108	188	296	108
	236	194	312	118	198	316	118
	256	204	331	128	207	335	128
	276	213	351	138	217	355	138



Carriage sideshift / fork positioning

Carriage with kissing forks for steel handling





Duplex standard

Duplex free lift

		Mast h	Mast height			
	Lift height H4	H3 min	H5 max	Free lift H2		
	179	138	250	67		
	182	-	-	-		
TRI.	203	146	274	75		
μ.	236	-	-	-		
	256	163	327	93		
	274	169	344	98		



Free lift H2

64

83

* Might be slightly reduced if smallest available tires are chosen.

24

All and a second second





Fork shaft system (Hook on type or roller type)

Coil ram



Triplex full free lift



Standard equipment.

Chassis/Body

- Tow pin
- Steps with anti slip protection
- Rear view mirror left and right side mounted on front fenders
- Tiltable cabin (manual tilt)

Cabin

- EGO Cabin
- Clear and tempered panes of safety glass, thickness 6 mm
- 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 features electric adjustable right-hand console including standard display (electric adjustable)
- Multi function left side lever includes horn, direction, and turn signal
- Brake system with pedal left and right side
- Internal comfort including mirror, handles, interior lighting etc.
- Wiper and washers front/rear and roof window
- Hydraulic steering system including steering wheel with features, electrically adjustable height and manual lateral/longitudinal adjustment
- External reverse lights
- Cab tilting
- Instep handle, left side
- Automatic heat and ventilation (ECH) with fresh air inlet filter
- Speed control pedal right side
- Kalmar std Key system
- Cup holder
- Coat hook
- Color display:
- Fuel level indicator
- Engine and transmission oil temperature
- Oil pressure engine
- Battery voltage
- Clock and date
- Hour meter
- Service time indicator
- Speed
- Engine speed (RPM)
- Various information via pop-up
- DEF indicator

Steering system

 Kalmar steering axle, including double acting steering cylinder

Drivetrain

- Driveaxle DCG180-250: Kessler DCG280-330: Axletech
- Vertical exhaust

Hydraulics

- Electrical servo
- Level sight glass on hydraulic oil tank
- Variable pumps
- High pressure filter
- Automatic raised engine rpm when load handling function is used
- Tilt angles standard 5°F/10°B

Electric system

- Electrical system 24 V
- Rear lights and brake lights, LED
- Working light front fenders 2 pieces, LED
- Working light mast 2 pieces, LED
- Indicator lamps including hazard lights, LED
- Main power switch

Wheels

 Continental DCG180-250 14.00x24 DCG280-330 16.00x25

Fleet management

• Equipped with telemetric hardware for Kalmar Insight

Color

- Cab: frame RAL 7011/70, covers RAL 7021/10
- Chassis: Kalmar Red 2012 (Base ref.RAL 3000/75)
- Lifting equipment: Kalmar Black (Base ref.RAL 7021/30)

Documentation & decals

- Operators manual
- Maintenance manual
- Parts catalog
- Load diagram in cab
- Warning decals
- Information decals
- Fuse diagram



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