

A close-up, low-angle shot of a large red Kalmar forklift. The focus is on a massive black Yokohama tire with deep, aggressive treads. The tire's sidewall features the 'YOKOHAMA' brand name and 'R-302' model designation. The forklift's red body and black chassis are visible, with a large black hydraulic cylinder on the left. The background is a plain, light-colored sky.

Kalmar Big Wheel.

DCG100-12BW

DCG140-6BW

10–14 tonne capacity.



KALMAR

A red forklift is shown from a low angle, carrying a large, flat load of lumber. The forklift is on a dirt road. In the background, there is a massive stack of logs, and further back, a forested hillside under a clear sky.

A smoother ride.

The job must be done even on a bumpy road. But it can be hard with a regular forklift. It takes big wheels to level out the bumps, it takes the Kalmar Big Wheel forklift.

Anyone who has used a forklift at a saw mill or lumberyard knows how difficult it is to work on uneven surfaces, especially in winter. Achieving the required precision in lifting and driving, while trying to cope with the uncomfortable shaking, is truly challenging.

We developed the Kalmar Big Wheel to give you a smoother ride. Equipped with oversized front wheels, this forklift allows

you to work efficiently and comfortably, even when surface conditions are poor.

You get superb traction and can work productively in rough conditions where high ground clearance is required. The big tyres also provide a smoother ride when driving over uneven surfaces.

The Big Wheel forklift is available in two models, with lifting capacities of 10 or 14 metric tonnes. As part of the Kalmar G-Generation, the Kalmar Big Wheel forklift offers a range of benefits including the highest operator safety and ergonomics.

G-Generation excellence.

The Big Wheel is part of Kalmar's G-Generation of forklift trucks, first introduced in 2011. Every G-Generation forklift comes equipped with a set of technically advanced features that add to the driver's operating experience and performance.

The G-Generation marked the introduction of Kalmar's ergonomically designed EGO Cabin, which truly puts the operator in the driver's seat. The idea behind the cabin change was to give operators the best possible working environment, while allowing them to pay full attention to the work at hand.

With its excellent 360-degree view, ergonomically designed controls, tiltable steering wheel and rotatable seat, the EGO cabin since its introduction has become the preferred choice among health and safety aware customers around the world.

Other features that make these forklifts stand out from the competition include an extra heavy-duty mast, a new intelligent electrical system, and a variable hydraulic system that improves manoeuvrability and saves fuel.

Big is beautiful.

Superb manoeuvrability in rough terrain. 400 mm ground clearance under the mast. Excellent suspension thanks to the large front wheels - 23.5R25/24PR. That's the Big Wheel in a nutshell.



Clever radiator cleaning.

Reverse the cooling fan and you can use it to blow the radiator clean from potentially harmful dirt, dust or particles. Perfect when you Big Wheel is operating in sawmills and other dusty environments.



A forklift with a view.

The EGO Cabin gives the operator a 360-degree view, making it safer and easier to operate. The work console is easy understand and to use, with all the necessary controls, switches, levers and indicators being easily accessible.



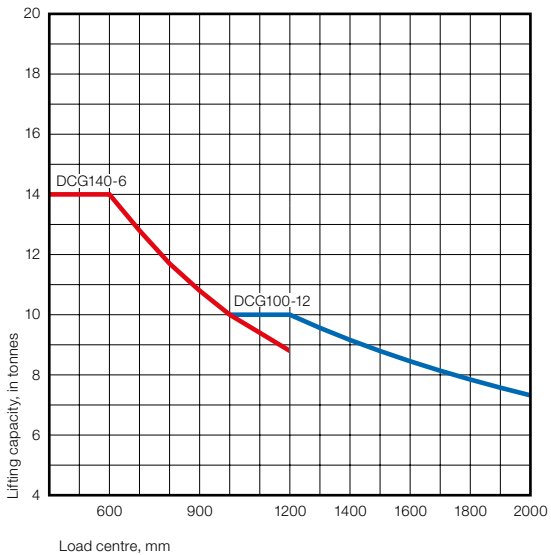
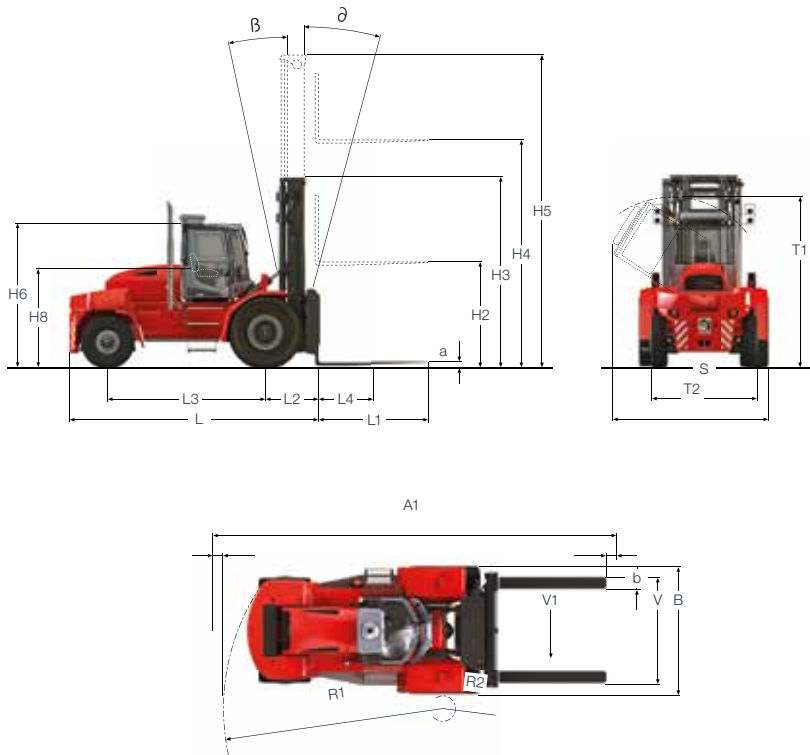
Designed specially for the lumber industry: a reversible cooling fan helps clear the cooler from harmful dust. The rotatable driver's seat lets the driver go "forward in reverse" with an unobstructed view even when fully loaded.

Drivetrains and Performance

ENGINE	Cummins QSB6,7 (129 kW) with ZF 3WG171	
	Manufacturer's type designation	Cummins QSB6,7 (Turbo-Intercooler)
	Fuel, type of engine	Diesel, 4-stroke
	Rating ISO 3046 / at revs	kW / rpm 129(176) / 2200
	Peak torque ISO 3046 / at revs	Nm / rpm 800 / 1400
	Number of cylinders / displacement	cm³ 6 / 5900
	Fuel consumption, normal driving	l/h 8-10
GEARBOX & MISC	AdBlue consumption, normal driving	l/h 2-4%
	Emission standard	EU Stage IIIA & Stage IV
	Manufacturer's type designation	ZF 3WG171
	Clutch, type	Torque converter
	Gearbox, type	Hydrodynamic Powershift
	Numbers of gears, forward / reverse	3 / 3
	Alternator, type / power	W AC / 1960
	Starting battery, voltage / capacity	V / Ah 2×12 / 145
	Driving axle, manufacturer / type	Kessler D81 / Differential and hub reduction

PERFORMANCE	Lifting speed	Unloaded (m/s)	DCG140-6BW	DCG100-12BW
		At rated load (m/s)	0,40	38,75 mm
	Lowering speed	Unloaded (m/s)	0,30	0,30
		At rated load (m/s)	0,30	0,30
	Travelling speed, F/R	Unloaded (km/h)	0,40	0,40
		At rated load (km/h)	25	25
	Gradeability, max.	Unloaded (%)	22	22
		At rated load (%)	91	91
	Gradeability, at 2 km/h	Unloaded (%)	44	51
		At rated load (%)	58	58
	Drawbar pull	Unloaded (%)	31	36
		At rated load (%)	139	139
	Noise level, inside	Max. (kN)	LpAZ*, EGO cabin (dB(A))	73
	Noise level, outside	LpAZ*, EGO cabin OHG (dB(A))	85	85
		LWA** (dB(A))	108	108

* LpAZ according to EN12053 ** LWA according to 2000/14/EC



DCG90-6 to DCG180-6 models:
Full lifting capacity up to 5000 mm lift height with duplex/duplex
freelift/triplex masts and integrated sideshift/fork positioning carriage.

MAIN DATA	Model designation		DCG140-6BW	DCG100-12BW
	Power source		Diesel	Diesel
	Rated capacity / rated load		kg	kg
	Load center distance		mm	L4
	Load distance, center of drive axle to fork		mm	L2
WEIGHTS	Wheelbase		mm	L3
	Service weight		kg	kg
	Axle loading, loaded front		kg	kg
	Axle loading, loaded rear		kg	kg
	Axle loading, unloaded front		kg	kg
WHEELS	Axle loading, unloaded rear		kg	kg
	Type, front / rear		Pneumatic / Pneumatic	Pneumatic / Pneumatic
	Tyre size, front		inch	inch
	Tyre size, rear		inch	inch
	Number of wheels, front / rear (x = driven wheels)		2* / 2	2* / 2
DIMENSIONS	Track width, front / rear		mm	S
	Tyre pressure, front / rear		MPa	MPa
	Mast tilt, ∂ = forward / β = backward		°	∂ / β
	Height of mast lowered		mm	H3
	Lift height		mm	H4
	Height of mast extended		mm	H5
	Truck height – EGO / OHG cabin roof		mm	H6
	Seat height		mm	H8
	Height when tilting EGO cab / OHG		mm	T1
	Width when tilting EGO cab / OHG		mm	T2
	Truck length (to face of forks)		mm	L
	Truck width		mm	B
	Fork dimensions, width		mm	b
	Fork dimensions, thickness		mm	a
OTHERS	Fork dimensions, length of fork arm		mm	l
	Fork carriage width		mm	b3
	Width over fork arms, minimum / maximum		mm	V
	Sideshift \pm @ width over forks		mm	V1 / V
	Ground clearance, laden, below mast		mm	mm
	Ground clearance, machine		mm	mm
	Min. aisle width for 90° stacking with forks		mm	A1
	Turning radius		mm	R1
	Internal turning radius		mm	R2
	Operating pressure for hydraulics		MPa	MPa
	Hydraulic oil tank, capacity		l	l
	Fuel tank, capacity		l	l
	AdBlue tank, capacity		l	l



Making your every move count