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Yale
People. Products. Productivity.

Veracitor VX SERIES

GDP/GLP20-35VX | 2,000 - 3,500 kg

Pneumatic Tyres Counterbalanced Forklift

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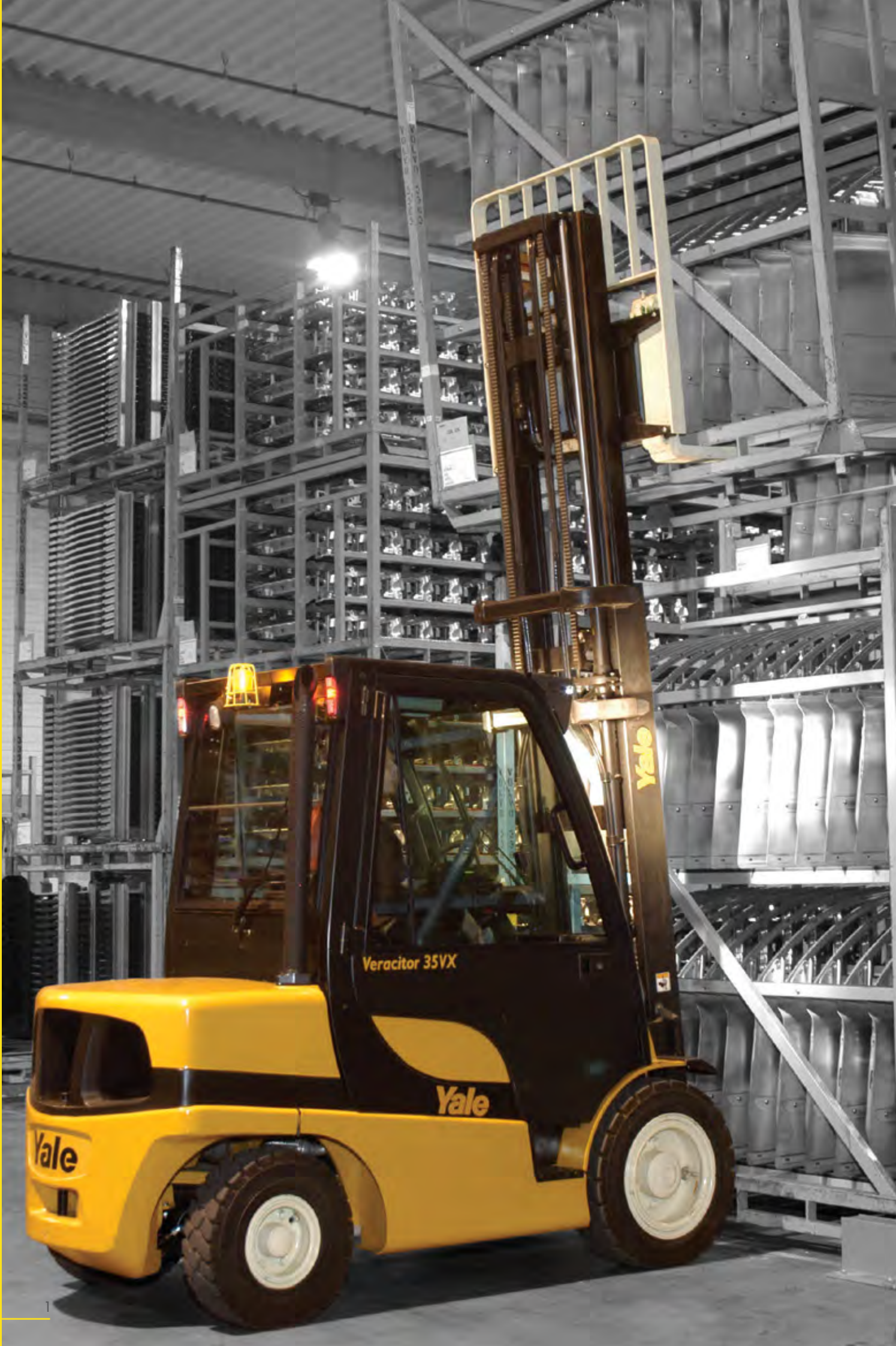

Veracitor 35VX
Yale
Yale
Yale

All your material handling needs Under Control

The Veracitor VX Series is a perfect illustration of the ongoing Yale commitment to innovative design, exceptional quality and industry leading performance.

The result of extensive research among customers, operators and leading experts in ergonomics and biometrics, this internal combustion engine lift truck takes productivity, operator comfort, serviceability and dependability to a new high, and cost of ownership to a new low.

Whether it's pioneering new features designed to provide more efficient handling than ever before or ingenious improvements to help optimise lift truck reliability, trust the Veracitor VX to deliver an unprecedented level of control over all your material handling operations.

Setting the Standard for Operational Efficiency

Innovative Cooling System

The cooling system operates at lower temperatures. This offers significant improvement when it comes to cooling air flow, increasing component life and minimising the risk of overheating in heavy-duty applications. Optimised ducting and high volume tunnels allow Veracitor VX lift trucks to run longer in a cooler state. Radiators are 100% shockproof mounted for long life.

O-ring face seals on all high pressure hydraulic connections eliminate the need for thread sealants creating leak-free joints. A superior filtration system increases the life span of all hydraulic components.

Intellix Vehicle System Manager (VSM)

This innovative, highly advanced on-board computer is, essentially, the sort of electronic management system that is extensively used in the automotive industry. It controls the engine and transmission by monitoring and protecting the lift truck.

A sensitive computer like this needs protection, so it is environmentally sealed to keep out water and debris. Furthermore, CANbus electronics reduce the complexity of the wiring, which have been routed well away from all heat sources.

With more features and options than ever before, the Veracitor VX Series not only meets but exceeds your specific application requirements.

There are no less than thirty-four different trucks, ranging from 2,000kg to 3,500kg, as well as five engine and four transmission options. So, whatever your specification, rest assured there's a VX configuration that can be tailored to your most precise needs.

There's also an array of features incorporated to deliver optimum performance, boost productivity levels and generate cost savings. The optional Autospeed Hydraulics with automatic inching control to automatically increase engine speed when hydraulics are actuated, at the same time as maintaining control over vehicle travel speed.

Selectable performance settings within the eLo energy saving and HiP performance mode to provide precise application matched operation. Continuous Stability Enhancement (CSE) to automatically maintain the truck's stability during uneven surface travel.

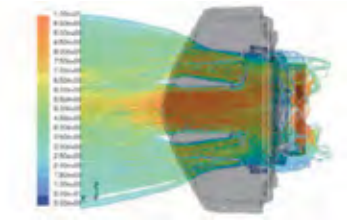
Whether it's the ingenious controlled ramp descent or the traction speed limiter, the return to set tilt or the premium electronic monitoring, very last aspect of the VX has been designed to help you increase productivity and take control of your bottom line.

Three Transmission Options

Three Yale transmissions are available:

1,600kg - 2,000kg: Standard Electronic Techtronix 100

2,000kg - 3,500kg: Standard Electronic Techtronix 100
Techtronix 200



Maximised airflow for enhanced cooling

Serpentine or square wave radiator - all models

O-ring face seals on all high pressure hydraulic connections

Continuous Stability Enhancement (CSE)

- Improves lateral stability and boosts driver confidence

Innovative Cooling System

- Dramatically lower operating temperatures and much longer running times

Comfortably more Productive

Yale has always prided itself on the intelligent ergonomics of its forklift trucks and the Veracitor VX Series, like many a Yale truck before it, sets the standards for comfort and control.

Yale two-way directional pedal

Take the AccuTouchTM mini lever hydraulic control module with shorter reach and throw levers requiring less effort to operate. Or the exceptional user visibility afforded by the Yale Hi-VisTM mast. In fact, wherever you look in the cabin, there's a feature designed to add to the comfort of the operator, from the low step height to the fully adjustable contoured armrest, from the interactive dash display to the rear drive handle with horn.

Add other operator friendly features such as the low noise hydraulic pump and cabin together with the seamless forward and reverse directional changes, controlled through a number of optional methods, including foot pedals or joystick control, and it's easy to see why drivers love the Veracitor VX – and employers love the way it increases their productivity.

Ergonomically designed joystick to control all of the lift truck's functions

Auto Deceleration System

(ADS) reduces brake usage, leading to fewer brake shoe replacements and lower service costs.

Operators prefer Veracitor VX Lift Trucks

The truth of the matter is that operators prefer Veracitor VX lift trucks. Results from an independent survey of a representative sample of lift truck operators confirm this. Comfort is enhanced due to the innovative design of the operator's compartment.

Best in class, full suspension seat

Isolated powertrain and low vibration seat

The isolated powertrain and Full Suspension Seats provide best in class Whole-Body Vibration levels of 0.6m/s2, helping to ensure that the operator remains comfortable and productive throughout the shift, while operator visibility is considerably improved through the Yale Hi-VisTM mast. Other key features include: the optimised step height, increased shoulder clearance, easy right-sided access and ergonomically designed controls.

From features designed to minimise whole-body vibration, helping reduce fatigue and aches and pains, to the infinitely adjustable steering column to accommodate all sizes, the Veracitor VX is all about making life easier for the operator – helping them stay in complete control.

Ergonomically designed cab controls

Driving Comfort

Rear driving comfort has been improved with a convenient, rear drive handle complete with horn button, optimally placed on the rear overhead guard leg.
The rear drive handle, in conjunction with an optional swivel seat, creates a comfortable and secure working environment. A smaller steering wheel and the infinitely adjustable steer column accommodate operators of all sizes.

EZ™ - Swing out, drop down LPG bracket

EZ™ – LP Gas Tank Bracket

The optional EZ-Tank™ Bracket is an added feature on the standard swing-out bracket. The LP tank swings out and drops down approximately 60 degrees for effortless removal and installation.

Cutting Down Downtime

The Veracitor VX Series doesn't just make it easier to carry out vital servicing tasks. It's a truck that has been designed to actually require less maintenance.

Veracitor VX lift trucks offer best in class service access with a one-piece, rear-opening hood providing cowl-to-counterweight access. An easy to remove floor plate requires no tools and offers complete access to the powertrain.

Equipped with Intellix Vehicle Systems Manager (VSM), the VX's truck functions are continuously monitored and keeps the operator fully informed of service needs. There's also state of the art on-board diagnostics on the advanced dash display to communicate service codes, enabling quick and accurate repairs. While ingenious features such as automatic electronic inching and Auto Deceleration System reduce wear and tear, in turn reducing your service costs and adding to your bottom line.

What's more, when maintenance does need to take place, the VX Veracitor is designed to make servicing as fast, convenient and simple as possible. It's extremely easy to perform engine compartment daily checks, check and replenish coolant levels and remove the radiator filler cap.

All backed up by the most dependable and most comprehensive parts availability in the industry, the Yale Veracitor VX gives you a greater degree of control over the efficiency and uptime of your operation than ever before.

Total Truck Reliability

With the Veracitor VX Series from Yale, total reliability comes built in. Put simply, every last component has been designed to provide long-lasting performance day in, day out, year after year.

Rugged durability is at the heart of the Veracitor VX. Robust clutch packs, stronger gears and shafts, computer controlled engine and transmissions, powertrain protection systems, enhanced monitoring – they all help to boost reliability, maximise uptime and keep your truck performing at its best. There's also a cooling system creating airflow through optimised ducting and high volume tunnels, helping to dramatically increase component life and minimise the risk of overheating in heavy duty applications.

From 100% shock-proof mounted radiators to the check valves incorporated into the cushioned lift cylinders of the world-renowned Yale mast design, from the sealed connectors that enable the entire truck to be pressure washed to the O-ring face seals that create leak-free joints, the Veracitor VX delivers world-class reliability.

By utilising cutting edge technology and superior manufacturing facilities, Yale engineers have delivered the highest serviceability ratings in the industry.

Low Cost of Ownership Built in

The purchase price of materials handling equipment is only one small part of the overall cost of running a fleet of equipment. There is a host of other factors to take into account including periodic maintenance, unscheduled repairs, the cost of replacement tyres, brakes and fuel. Only then can you arrive at a true lifetime cost of ownership.

The Veracitor VX Series has been designed to minimise overall operating costs throughout the life of the truck.

Take the VX brakes, for instance. The VX's Auto Deceleration System (ADS) significantly prolongs brake and tyre life, automatically slowing down the truck upon release of the throttle, reducing wear and tear.

This action minimises brake usage requirement, operator fatigue and reduces associated brake costs.

There's also the fully sealed oil immersed brakes, providing a distinct advantage in harsh and heavy duty environments.

The Veracitor VX helps you take control of fuel costs, too. In fact, with the VX at the heart of your materials handling operation, you can rest easy knowing you're utilising one of the most fuel efficient trucks in its class, offering an unrivalled 3 litres per hour fuel consumption (2,500kg diesel). Load sending hydraulics and the password protected ECO-eLo mode all help to deliver greatly increased operational efficiency, while the five engines combine a superb performance with truly outstanding fuel economy.

Last but not least, with its uncluttered layout and ease of access, plus simplified daily checks and reduced service requirements, not to mention its world-class reliability, the Veracitor VX substantially lowers both labour costs and maintenance costs.

Knowing when to replace industrial tyres is critical – replace them too early and you risk spending too much, replace them too late and you risk machine and operator safety. Trelleborg Wheel Systems have developed Pit Stop Line tyres that let operators and fleet managers know with 100% accuracy when their tyres need replacing.

As the tyres wear down a highly visible orange band appears on the surface, a tyre will have approximately 100 hours of life remaining and that replacement tyres should be ordered and service fitting scheduled.

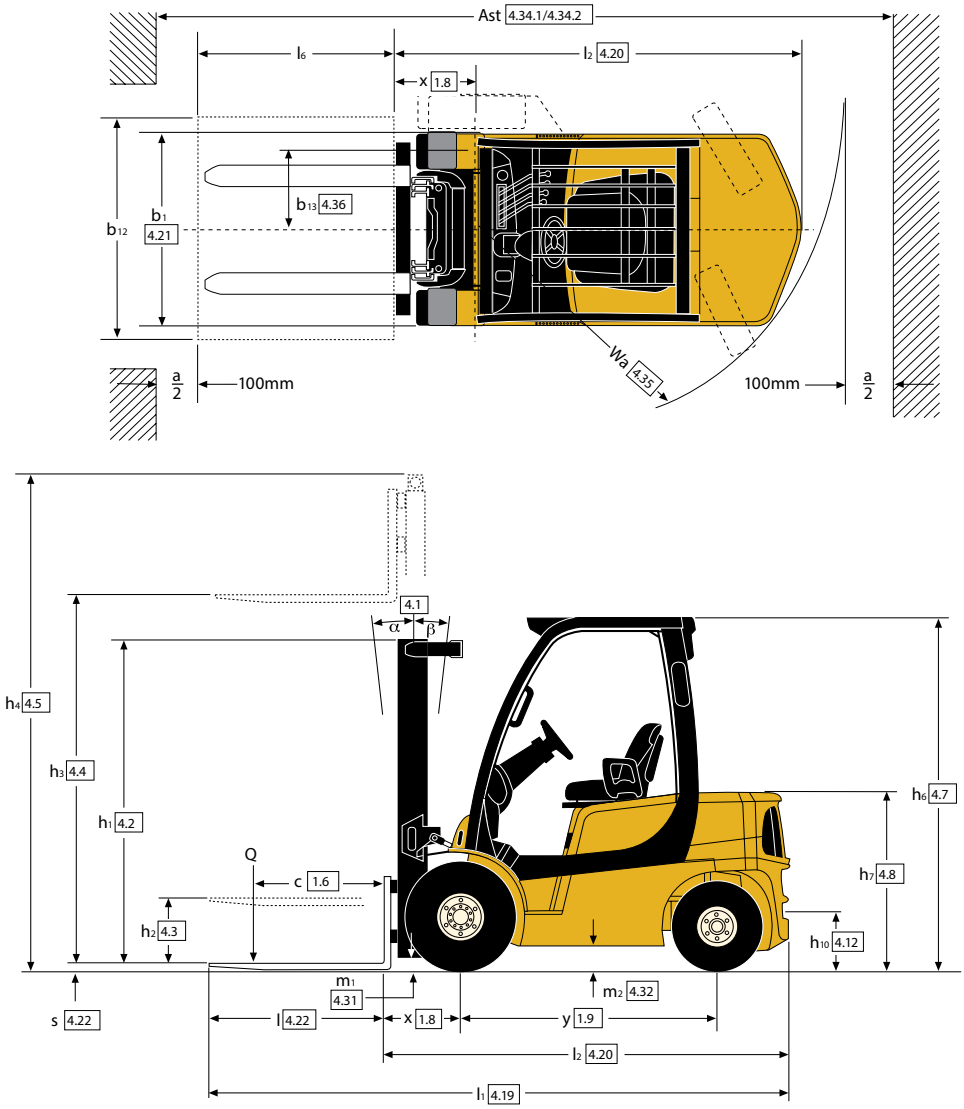
Typically industrial solid tyres are replaced with 25% of life still remaining as guidelines on industrial tyre safety are not well known. Choosing Pit Stop Line tyres means that by never replacing tyres too early, spend can be reduced by up to 20% over a typical 5 year lease*.

Replacing tyres early also means needlessly taking forklifts out of service, resulting in potentially large productivity costs; Pit Stop Line tyres eliminate this downtime and keeps critical machines working.

**based on 2 tyres per year*

Dimensions (Diesel)

Truck Dimensions



Engine Specifications

YanmarTNE series, Diesel	
Base, Value	
4 Cylinder	Overhead valve
Displacement	2.6 litre
Torque	138 Nm @ 1,500rpm
Power	33.9 kW @ 2,700rpm
Air filtration	Two stage, dry type
VDI 2198	3.0L
IDI fuel injection system	

YanmarTNE series, Diesel	
Value	
4 Cylinder	Overhead valve
Displacement	3.0 litre
Torque	162 Nm @ 1,500rpm
Power	34.2 kW @ 2,400rpm
VDI 2198	3.1L
Air filtration	Two stage, dry type
IDI fuel injection system	

Kubota 2.4L, Diesel	
Productivity	
4 Cylinder	Overhead valve
Displacement	2.4 litre
Torque	196 Nm @ 1,500rpm
Power	43.2 kW @ 2,400rpm
Air filtration	Two stage, dry type
VDI 2198	2.5L
IDI fuel injection system	

Options

- Powertrain protection system
- Premium monitoring package
- High air intake with pre-cleaner
- Accumulator
- Keyless start (with auxiliary key switch)
- Traction speed limiter
- Heavy-duty “Combi Cooler” radiator
- Return-to-set tilt
- Swivel full suspension seat
- Foot directional control
- Autospeed Hydraulics
- Operator password
- Alarm-reverse
- Amber strobe light - continuous activated
- Impact monitor
- Load weight indicator

Masts

A full range ofYale 2-stage LFL and 2-stage and 3-stage FFL masts are available.

The newYale masts are designed for maximum visibility, with widely spaced channels; lift chains and main lift cylinders.

Specifications (Diesel)

GDP 20VX, GDP 25VX Mast details and capacity ratings (kg) - Superelastic tyres

Model							GDP 20 VX						GDP 25 VX					
Tyre size, front							7.00 x 12						7.00 x 12					
Overall width, front							1157mm						1157mm					
Mast	h_1 (mm)	h_2+s (mm)	h_3+s (mm)	h_4 (mm)	Tilt		Forks			Integral Sideshift			Forks			Integral Sideshift		
							Load centre (kg)			Load centre (kg)			Load centre (kg)			Load centre (kg)		
					F	B	500	600	700	500	600	700	500	600	700	500	600	700
2 Stage LFL	2170	140	3290	3904	6	5	2000	1920	1750	2000	1840	1680	2500	2370	2170	2500	2280	2090
	2420	140	3790	4404	6	5	2000	1910	1740	2000	1830	1680	2500	2360	2160	2500	2270	2080
	2770	140	4330	4944	6	5	2000	1890	1730	1990	1810	1660	2500	2350	2150	2480	2250	2070
	3020	140	4830	5444	6	5	1910	1800	1640	1890	1720	1580	2400	2240	2040	2370	2150	1960
2 Stage FFL	2170	1558	3300	3914	6	5	2000	1920	1750	2000	1840	1690	2500	2380	2170	2500	2280	2090
3 Stage FFL	1970	1382	4350	4938	6	5	2000	1880	1720	1970	1790	1640	2500	2380	2170	2500	2280	2090
	2170	1582	4950	5538	6	5	1890	1760	1610	1850	1680	1540	2370	2250	2060	2370	2160	1980
	2420	1832	5550	6138	6	5	1760	1630	1490	1720	1560	1430	2240*	2110*	1930*	2220*	2020*	1850*
	2620	2030	6000	6588	6	5	1660	1530	1400	1600	1460	1340	2120*	1990*	1800*	2090*	1900*	1740*

* With wide tread drive tyres (1317 mm width) or dual drive tyres (1601 mm width) - required for this rating. h2 & h4 are less loadbackrest.

GDP 30VX, GDP 35VX Mast details and capacity ratings (kg) - Superelastic tyres

Model							GDP 30 VX						GDP 35 VX					
Tyre size, front							28 x 9-15						28 x 9-15					
Overall width, front							1186mm						1186mm					
Mast	h_1 (mm)	h_2+s (mm)	h_3+s (mm)	h_4 (mm)	Tilt		Forks			Integral Sideshift			Forks			Integral Sideshift		
							Load centre (kg)			Load centre (kg)			Load centre (kg)			Load centre (kg)		
					F	B	500	600	700	500	600	700	500	600	700	500	600	700
2 Stage LFL	2195	150	3105	3809	6	5	3000	2820	2580	2970	2700	2480	3500	3310	3030	3490	3180	2920
	2445	150	3605	4309	6	5	3000	2810	2570	2950	2690	2470	3500	3300	3020	3480	3170	2910
	2795	150	4105	4809	6	5	3000	2790	2560	2940	2670	2450	3500	3290	3010	3460	3150	2890
	3045	150	4605	5309	6	5	2890	2690	2450	2830	2570	2350	3390	3170	2900	3340	3040	2780
2 Stage FFL	2195	1495	3110	3810	6	5	3000	2820	2580	2960	2700	2480	3500	3310	3030	3490	3180	2920
3 Stage FFL	1995	1319	4015	4694	6	5	3000	2800	2560	2930	2670	2450	3500	3290	3010	3460	3150	2890
	2195	1519	4615	5294	6	5	2900	2700	2470	2830	2580	2370	3400	3190	2920	3350	3050	2800
	2345	1669	4915	5594	6	5	2840	2630	2410	2760	2510	2310	3320*	3110*	2850*	3260	2980	2730
	2445	1769	5215	5894	6	5	2740	2560	2340	2680	2440	2240	3250*	3030*	2780*	3180*	2900*	2660*
	2695	2015	5815	6494	6	5	2610*	2400*	2200*	2510*	2290*	2100*	2950*	2860*	2610*	2970*	2730*	2500*

* With wide tread drive tyres (1317 mm width) or dual drive tyres (1601 mm width) - required for this rating. h2 & h4 are less loadbackrest.

GDP 20VX, GDP 25VX Mast details and capacity ratings (kg) - Pneumatic Radial tyres

Model							GDP 20 VX						GDP 25 VX					
Tyre size, front							7.00 R12						7.00 R12					
Overall width, front							1157mm						1157mm					
Mast	h_1 (mm)	h_2+s (mm)	h_3+s (mm)	h_4 (mm)	Tilt		Forks			Integral Sideshift			Forks			Integral Sideshift		
							Load centre (kg)			Load centre (kg)			Load centre (kg)			Load centre (kg)		
					F	B	500	600	700	500	600	700	500	600	700	500	600	700
2 Stage LFL	2170	140	3290	3904	6	5	2000	1920	1750	2000	1840	1680	2500	2370	2170	2500	2280	2090
	2420	140	3790	4404	6	5	2000	1910	1740	2000	1830	1680	2500	2360	2160	2500	2270	2080
	2770	140	4330	4944	6	5	2000	1890	1730	1990	1810	1660	2500	2350	2150	2480	2250	2070
	3020	140	4830	5444	6	5	1910	1790	1630	1890	1720	1570	2390*	2240*	2040*	2360*	2150*	1960*
2 Stage FFL	2170	1558	3300	3914	6	5	2000	1920	1750	2000	1840	1690	2500	2380	2170	2500	2280	2090
3 Stage FFL	1970	1382	4350	4938	6	5	2000	1880	1720	1970	1790	1640	2500*	2380*	2170*	2500*	2280*	2090*
	2170	1582	4950	5538	6	5	1880	1760	1610	1850	1680	1540	2370*	2250*	2060*	2370*	2150*	1980*
	2420	1832	5550	6138	6	5	1760*	1630*	1490*	1710*	1560*	1430*	2240**	2110**	1930**	2220**	2020**	1860**
	2620	2030	6000	6588	6	5	1650*	1520*	1380*	1600*	1450*	1330*	2130**	1990**	1810**	2100**	1910**	1740**

* With wide tread drive tyres (1321 mm width) or dual drive tyres (1601 mm width) - required for this rating. ** Dual Drive tyres (1601 mm width) - required for this rating. h2 & h4 are less loadbackrest.

GDP 30VX, GDP 35VX Mast details and capacity ratings (kg) - Pneumatic Radial tyres

Model							GDP 30 VX						GDP 35 VX					
Tyre size, front							225 / 75R15						225 / 75R15					
Overall width, front							1186mm						1186mm					
Mast	h_1 (mm)	h_2+s (mm)	h_3+s (mm)	h_4 (mm)	Tilt		Forks			Integral Sideshift			Forks			Integral Sideshift		
							Load centre (kg)			Load centre (kg)			Load centre (kg)			Load centre (kg)		
					F	B	500	600	700	500	600	700	500	600	700	500	600	700
2 Stage LFL	2195	150	3105	3809	6	5	3000	2820	2580	2970	2700	2480	3500	3310	3030	3490	3180	2920
	2445	150	3605	4309	6	5	3000	2810	2570	2950	2690	2470	3500	3300	3020	3480	3170	2910
	2795	150	4105	4809	6	5	3000	2790	2560	2940	2670	2450	3500	3290	3010	3460	3150	2890
	3045	150	4605	5309	6	5	2890	2690	2450	2820	2570	2350	3340	3170	2890	3340	3040	2780
2 Stage FFL	2195	1495	3110	3810	6	5	3000	2820	2580	2960	2700	2480	3500	3310	3030	3490	3180	2920
3 Stage FFL	1995	1319	4015	4694	6	5	3000	2800	2560	2930	2670	2450	3500*	3290*	3010*	3430	3150	2890
	2195	1519	4615	5294	6	5	2900*	2700*	2470*	2830*	2580*	2370*	3400*	3190*	2920*	3350*	3050*	2800*
	2345	1669	4915	5594	6	5	2830*	2630*	2400*	2750*	2510*	2300*	3330**	3110**	2850**	3270**	2980**	2730**
	2445	1769	5215	5894	6	5	2760*	2550*	2340*	2680*	2440*	2240*	3250**	3040**	2780**	3190**	2900**	2670**
	2695	2015	5815	6494	6	5	2610**	2400**	2190**	2510**	2290**	2090**	3080**	2860**	2610**	3000**	2740**	2500**

* With wide tread drive tyres (1321 mm width) or dual drive tyres (1601 mm width) - required for this rating. ** Dual Drive tyres (1601 mm width) - required for this rating. h2 & h4 are less loadbackrest.

Specifications (Diesel)

VDI 2198 – General Specifications, Diesel powered GDP20VX, GDP25VX

Distinguishing mark	1.1	Manufacturer (abbreviation)		Yale	Yale	Yale
	1.2	Manufacturer's type designation		GDP 20VX		
		Engine/Transmission		Yanmar 2.6L Standard Electronic, 1-Speed	Yanmar 2.6L Techtronix 100, 1-Speed	Yanmar 3.0L Techtronix 200, 2-Speed
		Model		Base	Value	Value
		Brake Type		Drum	ADS Drum or Oil-immersed	Oil-immersed
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		Diesel	Diesel	Diesel
	1.4	Operator type: hand, pedestrian, standing, seated, orderpicker		Seated	Seated	Seated
	1.5	Rated capacity / rated load	Q (t)	2.0	2.0	2.0
	1.6	Load centre distance	c (mm)	500	500	500
	1.8	Load distance, centre of drive axle to fork	x (mm)	471	471	471
	1.9	Wheelbase	y (mm)	1623	1623	1623
Weights	2.1	Service weight	kg	3623	3623	3623
	2.2	Axle loading, laden front / rear	kg	5046 / 577	5046 / 577	5046 / 577
	2.3	Axle loading, unladen front / rear	kg	1850 / 1773	1850 / 1773	1850 / 1773
Tyres/chassis	3.1	Tyres: P = pneumatic, V = cushion, SE = superelastic		SE	SE	SE
	3.2	Tyre size, front		7.00 x 12 - 12	7.00 x 12 - 12	7.00 x 12 - 12
	3.3	Tyre size, rear		6.00 x 9	6.00 x 9	6.00 x 9
	3.5	Number of wheels, front/rear (x = driven wheels)		2x / 2	2x / 2	2x / 2
	3.6	Tread, front	b_{10} (mm)	965	965	965
	3.7	Tread, rear	b_{11} (mm)	967	967	967
Dimensions	4.1	Tilt of mast/fork carrige, forward / backward	α / β (°)	6 / 5	6 / 5	6 / 5
	4.2	Height, mast lowered	h_1 (mm)	2170	2170	2170
	4.3	Free lift ▼	h_2 (mm)	140	140	140
	4.4	Lift ▼	h_3 (mm)	3250	3250	3250
	4.5	Height, mast extended ✚	h_4 (mm)	3904	3904	3904
	4.7	Height of overhead guard (cabin) ❍	h_6 (mm)	2160	2160	2160
	4.7.1	Cab height (open cab)	(mm)	2181	2181	2181
	4.8	Seat height relating to SIP/stand height ✘	h_7 (mm)	1061	1061	1061
	4.12	Coupling height	h_{110} (mm)	365	365	365
	4.19	Overall length	l_1 (mm)	3486	3486	3486
	4.20	Length to face of forks	l_2 (mm)	2486	2486	2486
	4.21	Overall width ❑	b_1(mm)	1157 / 1317 / 1601	1157 / 1317 / 1601	1157 / 1317 / 1601
	4.22	Fork dimensions ISO 2331	s/e/l (mm)	40 x 100 x 1000	40 x 100 x 1000	40 x 100 x 1000
	4.23	Fork carriage ISO 2328, class/type A, B		II A	II A	II A
	4.24	Fork carriage width ◗	b_3 (mm)	1067	1067	1067
	4.31	Ground clearance, laden, below mast	m_1 (mm)	107	107	107
	4.32	Ground clearance, centre of wheelbase	m_2 (mm)	160	160	160
	4.34.1	Aisle width with pallets 1000mm x 1200mm crossways	A_{st} (mm)	3820	3820	3820
	4.34.2	Aisle width with pallets 800mm wide x 1200mm lengthways	A_{st} (mm)	4020	4020	4020
	4.35	Turning radius	W_a (mm)	2149	2149	2149
	4.36	Internal turning radius	b_{13} (mm)	629	629	629
	4.41	90° intersecting aisle (with pallet W = 1200mm, L = 1000mm)	(mm)	1987	1987	1987
	4.42	Step height (from ground to running board)	(mm)	702	702	702
	4.43	Step height (between intermediate steps between running board and floor)	(mm)	382	382	382
Performance data	5.1	Travel speed laden/unladen	km/h	16.9 / 18.0	16.9 / 18.0	19.1 / 19.8
	5.1.1	Travel speed, laden/unladen, backwards	km/h	16.9 / 18.0	16.9 / 18.0	14.7 / 15.2
	5.2	Lift speed, laden/unladen	m/s	0.66 / 0.71	0.62 / 0.65	0.61 / 0.64
	5.3	Lowering speed, laden/unladen	m/s	0.58 / 0.50	0.58 / 0.50	0.58 / 0.50
	5.5	Drawbar pull, laden/unladen *	N	17440 / 11570	17440 / 11570	21900 / 11450
	5.7	Gradeability, laden/unladen **	%	21.3 / 34.2	21.3 / 34.2	25.5 / 32.7
	5.9	Acceleration time, laden/unladen	s	5.5 / 4.9	5.5 / 4.9	5.4 / 4.8
	5.10	Service brake		Hydraulic	Hydraulic	Hydraulic
Combustion engine	7.1	Engine manufacturer/type		Yanmar 4TNE92	Yanmar 4TNE92	Yanmar 4TNE94L
	7.2	Engine power according to ISO1585	kW	33.9	33.9	34.2
	7.3	Rated speed	min-1	2700	2700	2450
	7.4	Number of cylinders/displacement	(-)/cm³	4 / 2659	4 / 2659	4 / 3054
	7.5	Fuel consumtion according to VDI cycle ***	l/h or kg/h	2.7	2.7	2.9
	8.1	Type of drive unit		Hydrodynamic	Hydrodynamic	Hydrodynamic
Addition data	10.1	Operating pressure for attachments	bar	0 - 155	0 - 155	0 - 155
	10.2	Oil volume for attachments ◊	l/min	75	75	75
	10.3	Hydraulic oil tank, capacity	litres	45.8	45.8	45.8
	10.4	Fuel tank, capacity	litres	52.8	52.8	52.8
	10.7	Sound pressure level at the driver's seat ★	dB(A)	79	79	79
	10.7.1	Sound power level during the workcycle ◆	dB(A)	99	99	99
	10.7.2	Guaranteed sound power 2000/14/EC	dB(A)	102	102	102
	10.8	Towing coupling, type DIN		Pin	Pin	Pin

▲ Top of forks.
✚ Without load backrest.
❍ h6 subject to +/- 5 mm tolerance. GDP20-25VX add 25mm when front tyre size 28x9-15 is selected.
✘ Full suspension seat in depressed position.
❑ Standard/Wide/Dual. When wet axle selected values are (1186 / 1321 / 1601) for all capacities.
◗ Add 32mm with load backrest.
* at 1.6km/h.
** at 4.8km/h.
*** With Load Sensing Hydraulics.
◊ Variable.
★ L_{PAZ}, measured according to the test cycles and based on the weighting values contained in EN12053.

Specifications (Diesel)

Yale	Yale	Yale	Yale	Yale	1.1	Distinguishing mark
	GDP 25VX				1.2	
Kubota 2.4L Techtronix 200, 2-Speed	Yanmar 2.6L Standard Electronic, 1-Speed	Yanmar 2.6L Techtronix 100, 1-Speed	Yanmar 3.0L Techtronix 200, 2-Speed	Kubota 2.4L Techtronix 200, 2-Speed		
Productivity	Base	Value	Value	Productivity		
Oil-immersed	Drum	ADS Drum or Oil-immersed	Oil-immersed	Oil-immersed		
Diesel	Diesel	Diesel	Diesel	Diesel	1.3	
Seated	Seated	Seated	Seated	Seated	1.4	
2.0	2.5	2.5	2.5	2.5	1.5	
500	500	500	500	500	1.6	
471	471	471	471	471	1.8	
1623	1623	1623	1623	1623	1.9	
3623	3961	3961	3961	3961	2.1	Weights
5046 / 577	5775 / 686	5775 / 686	5775 / 686	5775 / 686	2.2	
1850 / 1773	1780 / 2181	1780 / 2181	1780 / 2181	1780 / 2181	2.3	
SE	SE	SE	SE	SE	3.1	Tyres/chassis
7.00 x 12 - 12	7.00 x 12 - 12	7.00 x 12 - 12	7.00 x 12 - 12	7.00 x 12 - 12	3.2	
6.00 x 9	6.00 x 9	6.00 x 9	6.00 x 9	6.00 x 9	3.3	
2x / 2	2x / 2	2x / 2	2x / 2	2x / 2	3.5	
965	965	965	965	965	3.6	
967	967	967	967	967	3.7	
6 / 5	6 / 5	6 / 5	6 / 5	6 / 5	4.1	Dimensions
2170	2170	2170	2170	2170	4.2	
140	140	140	140	140	4.3	
3250	3250	3250	3250	3250	4.4	
3904	3904	3904	3904	3904	4.5	
2160	2160	2160	2160	2160	4.7	
2181	2181	2181	2181	2181	4.7.1	
1061	1061	1061	1061	1061	4.8	
365	365	365	365	365	4.12	
3486	3559	3559	3559	3559	4.19	
2486	2559	2559	2559	2559	4.20	
1157 / 1317 / 1601	1157 / 1317 / 1601	1157 / 1317 / 1601	1157 / 1317 / 1601	1157 / 1317 / 1601	4.21	
40 x 100 x 1000	40 x 100 x 1000	40 x 100 x 1000	40 x 100 x 1000	40 x 100 x 1000	4.22	
II A	II A	II A	II A	II A	4.23	
1067	1067	1067	1067	1067	4.24	
107	107	107	107	107	4.31	
160	160	160	160	160	4.32	
3820	3887	3887	3887	3887	4.34.1	
4020	4087	4087	4087	4087	4.34.2	
2149	2216	2216	2216	2216	4.35	
629	629	629	629	629	4.36	
1987	2020	2020	2020	2020	4.41	
702	702	702	702	702	4.42	
382	382	382	382	382	4.43	
20.1 / 20.4	16.9 / 18.0	16.9 / 18.0	19.1 / 19.8	20.1 / 20.4	5.1	Performance data
15.7 / 15.9	16.9 / 18.0	16.9 / 18.0	14.7 / 15.2	15.7 / 15.9	5.1.1	
0.62 / 0.64	0.61 / 0.71	0.59 / 0.65	0.61 / 0.64	0.61 / 0.64	5.2	
0.58 / 0.50	0.58 / 0.50	0.58 / 0.50	0.58 / 0.50	0.58 / 0.50	5.3	
21800 / 11450	17440 / 11450	17440 / 11450	21750 / 10800	21800 / 11800	5.5	
37.1 / 32.7	21.0 / 29.3	21.0 / 29.3	22.3 / 28.7	31.4 / 28.7	5.7	
5.9 / 5.5	6.0 / 5.0	6.0 / 5.0	5.7 / 5.0	6.1 / 5.5	5.9	
Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	5.10	
Kubota 2.4L	Yanmar 4TNE92	Yanmar 4TNE92	Yanmar 4TNE94L	Kubota 2.4L	7.1	Combustion engine
43.2	33.9	33.9	34.2	43.2	7.2	
2400	2700	2700	2450	2400	7.3	
4 / 2434	4 / 2659	4 / 2659	4 / 3054	4 / 2434	7.4	
2.3	3.0	3.0	3.1	2.6	7.5	
Hydrodynamic	Hydrodynamic	Hydrodynamic	Hydrodynamic	Hydrodynamic	8.1	
0 - 155	0 - 155	0 - 155	0 - 155	0 - 155	10.1	Addition data
75	75	75	75	75	10.2	
45.8	45.8	45.8	45.8	45.8	10.3	
52.8	52.8	52.8	52.8	52.8	10.4	
78	79	79	79	78	10.7	
97	99	99	99	97	10.7.1	
101	102	102	102	101	10.7.2	
Pin	Pin	Pin	Pin	Pin	10.8	

◆ L_{WAZ}, measured according to the test cycles and based on the weighting values contained in EN12053.

Base specification truck based on:
3290mm (GDP20/25VX) / 3105mm (GDP30/35VX) top of forks 2 stage LFL Standard carriage, 1000mm forks and manual levers.

Value and Productivity specification truck based on:
3290mm (GDP20/25VX) / 3105mm (GDP30/35VX) top of forks 2 stage LFL Standard carriage, 1000mm forks and manual levers.

For Value trucks fitted with manual levers, the values for lines 5.2 and 7.5 are as on the Base VDI table.

Specifications (Diesel)

VDI 2198 – General Specifications, Diesel powered GDP30VX, GDP35VX

Distinguishing mark	1.1	Manufacturer (abbreviation)		Yale	Yale
	1.2	Manufacturer's type designation			GDP 30VX
		Engine/Transmission		Yanmar 2.6L Standard Electronic, 1-Speed	Yanmar 2.6L Techtronix 100, 1-Speed
		Model		Base	Value
		Brake Type		Drum	ADS Drum or Oil-immersed
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		Diesel	Diesel
	1.4	Operator type: hand, pedestrian, standing, seated, orderpicker		Seated	Seated
	1.5	Rated capacity / rated load	Q (t)	3.0	3.0
	1.6	Load centre distance	c (mm)	500	500
	1.8	Load distance, centre of drive axle to fork	x (mm)	483	483
	1.9	Wheelbase	y (mm)	1623	1623
Weights	2.1	Service weight	kg	4437	4437
	2.2	Axle loading, laden front / rear	kg	6662 / 775	6662 / 775
	2.3	Axle loading, unladen front / rear	kg	1845 / 2592	1845 / 2592
Tyres/chassis	3.1	Tyres: P = pneumatic, V = cushion, SE = superelastic		SE	SE
	3.2	Tyre size, front		28 x 9 - 15	28 x 9 - 15
	3.3	Tyre size, rear		6.50 x 10	6.50 x 10
	3.5	Number of wheels, front/rear (x = driven wheels)		2x / 2	2x / 2
	3.6	Tread, front	b_{10} (mm)	965	965
	3.7	Tread, rear	b_{11} (mm)	967	967
Dimensions	4.1	Tilt of mast/fork carrige, forward / backward	α / β (°)	6 / 5	6 / 5
	4.2	Height, mast lowered	h_1 (mm)	2195	2195
	4.3	Free lift ▼	h_2 (mm)	140	140
	4.4	Lift ▼	h_3 (mm)	3055	3055
	4.5	Height, mast extended ✚	h_4 (mm)	3809	3809
	4.7	Height of overhead guard (cabin) ❍	h_6 (mm)	2185	2185
	4.7.1	Cab height (open cab)	(mm)	2206	2206
	4.8	Seat height relating to SIP/stand height ✘	h_7 (mm)	1086	1086
	4.12	Coupling height	h_{110} (mm)	390	390
	4.19	Overall length	l_1 (mm)	3633	3633
	4.20	Length to face of forks	l_2 (mm)	2633	2633
	4.21	Overall width ❑	b_1(mm)	1186 / 1321 / 1601	1186 / 1321 / 1601
	4.22	Fork dimensions ISO 2331	s/e/l (mm)	50 x 120 x 1000	50 x 120 x 1000
	4.23	Fork carriage ISO 2328, class/type A, B		III A	III A
	4.24	Fork carriage width ◗	b_3 (mm)	1067	1067
	4.31	Ground clearance, laden, below mast	m_1 (mm)	132	132
	4.32	Ground clearance, centre of wheelbase	m_2 (mm)	185	185
	4.34.1	Aisle width with pallets 1000mm x 1200mm crossways	A_{st} (mm)	3955	3955
	4.34.2	Aisle width with pallets 800mm wide x 1200mm lengthways	A_{st} (mm)	4155	4155
	4.35	Turning radius	W_a (mm)	2277	2277
	4.36	Internal turning radius	b_{13} (mm)	618	618
	4.41	90° intersecting aisle (with pallet W = 1200mm, L = 1000mm)	(mm)	2077	2077
	4.42	Step height (from ground to running board)	(mm)	727	727
	4.43	Step height (between intermediate steps between running board and floor)	(mm)	407	407
Performance data	5.1	Travel speed laden/unladen	km/h	18.2 / 19.1	18.2 / 19.2
	5.1.1	Travel speed, laden/unladen, backwards	km/h	18.2 / 19.1	18.2 / 19.1
	5.2	Lift speed, laden/unladen	m/s	0.47 / 0.62	0.51/0.57
	5.3	Lowering speed, laden/unladen	m/s	0.53 / 0.47	0.53 / 0.47
	5.5	Drawbar pull, laden/unladen *	N	16354 / 11708	16354 / 11708
	5.7	Gradeability, laden/unladen **	%	15.0 / 26.6	15.0 / 26.6
	5.9	Acceleration time, laden/unladen	s	6.2 / 5.3	6.2 / 5.3
	5.10	Service brake		Hydraulic	Hydraulic
Combustion engine	7.1	Engine manufacturer/type		Yanmar 4TNE92	Yanmar 4TNE92
	7.2	Engine power according to ISO1585	kW	33.9	33.9
	7.3	Rated speed	min-1	2700	2700
	7.4	Number of cylinders/displacement	(-)/cm ^{3}	4 / 2659	4 / 2659
	7.5	Fuel consumtion according to VDI cycle ***	l/h or kg/h	3.2	3.2
	8.1	Type of drive unit		Hydrodynamic	Hydrodynamic
Addition data	10.1	Operating pressure for attachments	bar	0 - 155	0 - 155
	10.2	Oil volume for attachments ◊	l/min	75	75
	10.3	Hydraulic oil tank, capacity	litres	45.8	45.8
	10.4	Fuel tank, capacity	litres	52.8	52.8
	10.7	Sound pressure level at the driver's seat ★	dB(A)	79	79
	10.7.1	Sound power level during the workcycle ◆	dB(A)	99	99
	10.7.2	Guaranteed sound power 2000/14/EC	dB(A)	102	102
	10.8	Towing coupling, type DIN		Pin	Pin

▲ Top of forks.
✚ Without load backrest.
❍ h6 subject to +/- 5 mm tolerance. GDP20-25VX add 25mm when front tyre size 28x9-15 is selected.
✘ Full suspension seat in depressed position.
❑ Standard/Wide/Dual. When wet axle selected values are (1186 / 1321 / 1601) for all capacities.
◗ Add 32mm with load backrest.
* at 1.6km/h.
** at 4.8km/h.
*** With Load Sensing Hydraulics.
◊ Variable.
★ L_{PAZ}, measured according to the test cycles and based on the weighting values contained in EN12053.

Specifications (Diesel)

Yale	Yale	Yale	Yale	Yale	1.1	Distinguishing mark
		GDP 35VX			1.2	
Yanmar 3.0L Techtronix 200, 2-Speed	Kubota 2.4L Techtronix 200, 2-Speed	Yanmar 3.0L Standard Electronic, 1-Speed	Yanmar 3.0L Techtronix 200, 2-Speed	Kubota 2.4L Techtronix 200, 2-Speed		
Productivity	Productivity	Base	Value	Productivity		
Oil-immersed	Oil-immersed	Drum	Oil-immersed	Oil-immersed		
Diesel	Diesel	Diesel	Diesel	Diesel	1.3	
Seated	Seated	Seated	Seated	Seated	1.4	
3.0	3.0	3.5	3.5	3.5	1.5	
500	500	500	500	500	1.6	
483	483	483	483	483	1.8	
1623	1623	1700	1700	1700	1.9	
4437	4437	4754	4754	4754	2.1	Weights
6662 / 775	6662 / 775	7336 / 928	7336 / 928	7336 / 928	2.2	
1845 / 2592	1845 / 2592	1804 / 2950	1804 / 2950	1804 / 2950	2.3	
SE	SE	SE	SE	SE	3.1	Tyres/chassis
28 x 9 - 15	28 x 9 - 15	28 x 9 - 15	28 X 9 - 15	28 x 9 - 15	3.2	
6.50 x 10	6.50 x 10	6.50 x 10	6.50 x 10	6.50 x 10	3.3	
2x / 2	2x / 2	2x / 2	2x / 2	2x / 2	3.5	
965	965	965	965	965	3.6	
967	967	967	967	967	3.7	
6 / 5	6 / 5	6 / 5	6 / 5	6 / 5	4.1	Dimensions
2195	2195	2195	2195	2195	4.2	
140	140	140	140	140	4.3	
3055	3055	3055	3055	3055	4.4	
3809	3809	3809	3809	3809	4.5	
2185	2185	2185	2185	2185	4.7	
2206	2206	2206	2206	2206	4.7.1	
1086	1086	1086	1086	1086	4.8	
390	390	390	390	390	4.12	
3633	3633	3734	3734	3734	4.19	
2633	2633	2734	2734	2734	4.20	
1186 / 1321 / 1601	1186 / 1321 / 1601	1186 / 1321 / 1601	1186 / 1321 / 1601	1186 / 1321 / 1601	4.21	
50 x 120 x 1000	50 x 120 x 1000	50 x 120 x 1000	50 x 120 x 1000	50 x 120 x 1000	4.22	
III A	III A	III A	III A	III A	4.23	
1067	1067	1067	1067	1067	4.24	
132	132	132	132	132	4.31	
185	185	185	185	185	4.32	
3955	3955	4058	4058	4058	4.34.1	
4155	4155	4258	4258	4258	4.34.2	
2277	2277	2380	2380	2380	4.35	
618	618	647	647	647	4.36	
2077	2077	2111	2111	2111	4.41	
727	727	727	727	727	4.42	
407	407	407	407	407	4.43	
21.1 / 21.4	21.6 / 22.0	21.1 / 21.4	21.1 / 21.4	21.6 / 22.0	5.1	Performance data
16.2 / 16.6	16.9 / 17.1	-	-	16.9 / 17.1	5.1.1	
0.52 / 0.56	0.54 / 0.56	0.52 / 0.56	0.52 / 0.56	0.53 / 0.56	5.2	
0.53 / 0.47	0.53 / 0.47	0.53 / 0.47	0.53 / 0.47	0.53 / 0.47	5.3	
19850 / 11400	21800 / 11400	19700 / 11400	19700 / 11400	21800 / 11400	5.5	
18.2 / 26.5	24.9 / 26.5	16.1 / 24.3	16.1 / 24.3	22.4 / 24.3	5.7	
5.9 / 5.2	6.4 / 5.6	6.2 / 5.3	6.2 / 5.3	6.7 / 5.7	5.9	
Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	5.10	
Yanmar 4TNE94L	Kubota 2.4L	Yanmar 4TNE94L	Yanmar 4TNE94L	Kubota 2.4L	7.1	Combustion engine
34.2	43.2	34.2	34.2	43.2	7.2	
2450	2400	2450	2450	2400	7.3	
4 / 3054	4 / 2434	4 / 3054	4 / 3054	4 / 2434	7.4	
3.5	3.1	3.8	3.8	3.4	7.5	
Hydrodynamic	Hydrodynamic	Hydrodynamic	Hydrodynamic	Hydrodynamic	8.1	
0 - 155	0 - 155	0 - 155	0 - 155	0 - 155	10.1	Addition data
75	75	75	75	75	10.2	
45.8	45.8	45.8	45.8	45.8	10.3	
52.8	52.8	52.8	52.8	52.8	10.4	
79	78	79	79	78	10.7	
99	97	99	99	97	10.7.1	
102	101	102	102	101	10.7.2	
Pin	Pin	Pin	Pin	Pin	10.8	

◆ L_{WA2}, measured according to the test cycles and based on the weighting values contained in EN12053.

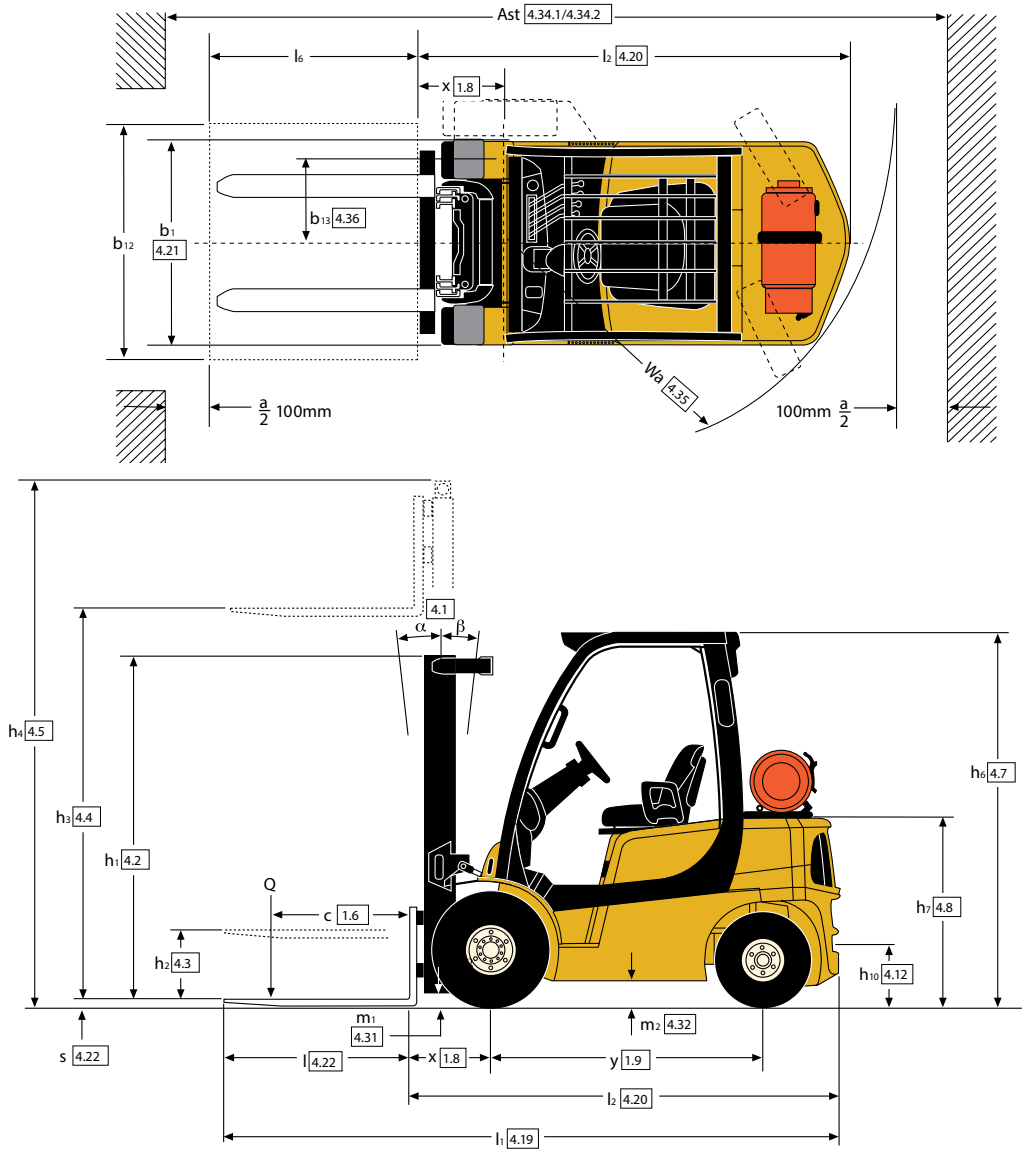
Base specification truck based on: 3290mm (GDP20/25VX) / 3105mm (GDP30/35VX) top of forks 2 stage LFL Standard carriage, 1000mm forks and manual levers.

Value and Productivity specification truck based on: 3290mm (GDP20/25VX) / 3105mm (GDP30/35VX) top of forks 2 stage LFL Standard carriage, 1000mm forks and manual levers.

For Value trucks fitted with manual levers, the values for lines 5.2 and 7.5 are as on the Base VDI table.

Dimensions (LPG)

Truck Dimensions



Engine Specifications

PSI 2.4L, LPG
Base, Value

4 Cylinder	Overhead valve
Displacement	2.4 litre
Power	44.0kW @ 2,700rpm
Torque	164Nm @ 2,000rpm
Air Filtration	2 stage, dry type
Emission Control	Closed loop

Kubota 2.5L, LPG
Productivity

4 Cylinder	Overhead valve
Displacement	2.5 litre
Power	43.9kW @ 2,500rpm
Torque	171Nm @ 1,800rpm
Air Filtration	2 stage, dry type
Emission Control	Closed loop

Options

- Powertrain protection system
- Premium monitoring package
- Accumulator
- Keyless start (with auxiliary key switch)
- Traction speed limiter
- Heavy-duty “Combi Cooler” radiator
- Swing-out, drop-down EZ-Tank bracket
- Return-to-set tilt
- Swivel full suspension seat
- Foot directional control
- Operator password
- Alarm-reverse
- Amber strobe light - continuous activated
- Impact monitor
- Load weight indicator

Masts

A full range ofYale 2-stage LFL and 2-stage and 3-stage FFL masts are available.

The newYale masts are designed for maximum visibility, with widely spaced channels, lift chains and main lift cylinders.

Specifications (LPG)

GLP 20VX, GLP 25VX Mast details and capacity ratings (kg) - Superelastic tyres

Model							GLP 20 VX						GLP 25 VX					
Tyre size, front							7.00 x 12						7.00 x 12					
Overall width, front							1157mm						1157mm					
Mast	h_1 (mm)	h_2+s (mm)	h_3+s (mm)	h_4 (mm)	Tilt		Forks			ISS & FP			Forks			ISS & FP		
							Load centre (kg)			Load centre (kg)			Load centre (kg)			Load centre (kg)		
					F	B	500	600	700	500	600	700	500	600	700	500	600	700
2 Stage LFL	2170	140	3290	3904	6	5	2000	1920	1750	2000	1840	1680	2500	2370	2170	2500	2280	2090
	2420	140	3790	4404	6	5	2000	1910	1740	2000	1830	1680	2500	2360	2160	2500	2270	2080
	2770	140	4330	4944	6	5	2000	1890	1730	1990	1810	1660	2500	2350	2150	2480	2250	2070
	3020	140	4830	5444	6	5	1910	1800	1640	1890	1720	1580	2400	2240	2040	2370	2150	1960
2 Stage FFL	2170	1558	3300	3914	6	5	2000	1920	1750	2000	1840	1690	2500	2380	2170	2500	2280	2090
3 Stage FFL	1970	1382	4350	4938	6	5	2000	1880	1720	1970	1790	1640	2500	2380	2170	2500	2280	2090
	2170	1582	4950	5538	6	5	1890	1760	1610	1850	1680	1540	2370	2250	2060	2370	2160	1980
	2420	1832	5550	6138	6	5	1760	1630	1490	1720	1560	1430	2240*	2110*	1930*	2220*	2020*	1850*
	2620	2030	6000	6588	6	5	1660	1530	1400	1600	1460	1340	2120*	1990*	1800*	2090*	1900*	1740*

* With wide tread drive tyres (1317 mm width) or dual drive tyres (1601 mm width) - required for this rating. h2 & h4 are less loadbackrest.

GLP 30VX, GLP 35VX Mast details and capacity ratings (kg) - Superelastic tyres

Model							GLP 30 VX						GLP 35 VX					
Tyre size, front							28 x 9-15						28 x 9-15					
Overall width, front							1186mm						1186mm					
Mast	h_1 (mm)	h_2+s (mm)	h_3+s (mm)	h_4 (mm)	Tilt		Forks			ISS & FP			Forks			ISS & FP		
							Load centre (kg)			Load centre (kg)			Load centre (kg)			Load centre (kg)		
					F	B	500	600	700	500	600	700	500	600	700	500	600	700
2 Stage LFL	2195	150	3105	3809	6	5	3000	2820	2580	2970	2700	2480	3500	3310	3030	3490	3180	2920
	2445	150	3605	4309	6	5	3000	2810	2570	2950	2690	2470	3500	3300	3020	3480	3170	2910
	2795	150	4105	4809	6	5	3000	2790	2560	2940	2670	2450	3500	3290	3010	3460	3150	2890
	3045	150	4605	5309	6	5	2890	2690	2450	2830	2570	2350	3390	3170	2900	3340	3040	2780
2 Stage FFL	2195	1495	3110	3810	6	5	3000	2820	2580	2960	2700	2480	3500	3310	3030	3490	3180	2920
3 Stage FFL	1995	1319	4015	4694	6	5	3000	2800	2560	2930	2670	2450	3500	3290	3010	3460	3150	2890
	2195	1519	4615	5294	6	5	2900	2700	2470	2830	2580	2370	3400	3190	2920	3350	3050	2800
	2345	1669	4915	5594	6	5	2840	2630	2410	2760	2510	2310	3320*	3110*	2850*	3260	2980	2730
	2445	1769	5215	5894	6	5	2740	2560	2340	2680	2440	2240	3250*	3030*	2780*	3180*	2900*	2660*
	2695	2015	5815	6494	6	5	2610*	2400*	2200*	2510*	2290*	2100*	2950*	2860*	2610*	2970*	2730*	2500*

* With wide tread drive tyres (1317 mm width) or dual drive tyres (1601 mm width) - required for this rating. h2 & h4 are less loadbackrest.

GLP 20VX, GLP 25VX Mast details and capacity ratings (kg) - Pneumatic Radial tyres

Model							GLP 20 VX						GLP 25 VX					
Tyre size, front							7.00 R12						7.00 R12					
Overall width, front							1157mm						1157mm					
Mast	h_1 (mm)	h_2+s (mm)	h_3+s (mm)	h_4 (mm)	Tilt		Forks			Integral Sideshift			Forks			Integral Sideshift		
							Load centre (kg)			Load centre (kg)			Load centre (kg)			Load centre (kg)		
					F	B	500	600	700	500	600	700	500	600	700	500	600	700
2 Stage LFL	2170	140	3290	3904	6	5	2000	1920	1750	2000	1840	1680	2500	2370	2170	2500	2280	2090
	2420	140	3790	4404	6	5	2000	1910	1740	2000	1830	1680	2500	2360	2160	2500	2270	2080
	2770	140	4330	4944	6	5	2000	1890	1730	1990	1810	1660	2500	2350	2150	2480	2250	2070
	3020	140	4830	5444	6	5	1910	1790	1630	1890	1720	1570	2390*	2240*	2040*	2360*	2150*	1960*
2 Stage FFL	2170	1558	3300	3914	6	5	2000	1920	1750	2000	1840	1690	2500	2380	2170	2500	2280	2090
3 Stage FFL	1970	1382	4350	4938	6	5	2000	1880	1720	1970	1790	1640	2500*	2380*	2170*	2500*	2280*	2090*
	2170	1582	4950	5538	6	5	1880	1760	1610	1850	1680	1540	2370*	2250*	2060*	2370*	2150*	1980*
	2420	1832	5550	6138	6	5	1760*	1630*	1490*	1710*	1560*	1430*	2240**	2110**	1930**	2220**	2020**	1860**
	2620	2030	6000	6588	6	5	1650*	1520*	1380*	1600*	1450*	1330*	2130**	1990**	1810**	2100**	1910**	1740**

* With wide tread drive tyres (1321 mm width) or dual drive tyres (1601 mm width) - required for this rating. ** Dual Drive tyres (1601 mm width) - required for this rating. h2 & h4 are less loadbackrest.

GLP 30VX, GLP 35VX Mast details and capacity ratings (kg) - Pneumatic Radial tyres

Model							GLP 30 VX						GLP 35 VX					
Tyre size, front							225 / 75R15						225 / 75R15					
Overall width, front							1186mm						1186mm					
Mast	h_1 (mm)	h_2+s (mm)	h_3+s (mm)	h_4 (mm)	Tilt		Forks			ISS & FP			Forks			ISS & FP		
							Load centre (kg)			Load centre (kg)			Load centre (kg)			Load centre (kg)		
					F	B	500	600	700	500	600	700	500	600	700	500	600	700
2 Stage LFL	2195	150	3105	3809	6	5	3000	2820	2580	2970	2700	2480	3500	3310	3030	3490	3180	2920
	2445	150	3605	4309	6	5	3000	2810	2570	2950	2690	2470	3500	3300	3020	3480	3170	2910
	2795	150	4105	4809	6	5	3000	2790	2560	2940	2670	2450	3500	3290	3010	3460	3150	2890
	3045	150	4605	5309	6	5	2890	2690	2450	2820	2570	2350	3340	3170	2890	3340	3040	2780
2 Stage FFL	2195	1495	3110	3810	6	5	3000	2820	2580	2960	2700	2480	3500	3310	3030	3490	3180	2920
3 Stage FFL	1995	1319	4015	4694	6	5	3000	2800	2560	2930	2670	2450	3500*	3290*	3010*	3430	3150	2890
	2195	1519	4615	5294	6	5	2900*	2700*	2470*	2830*	2580*	2370*	3400*	3190*	2920*	3350*	3050*	2800*
	2345	1669	4915	5594	6	5	2830*	2630*	2400*	2750*	2510*	2300*	3330**	3110**	2850**	3270**	2980**	2730**
	2445	1769	5215	5894	6	5	2760*	2550*	2340*	2680*	2440*	2240*	3250**	3040**	2780**	3190**	2900**	2670**
	2695	2015	5815	6494	6	5	2610**	2400**	2190**	2510**	2290**	2090**	3080**	2860**	2610**	3000**	2740**	2500**

* With wide tread drive tyres (1321 mm width) or dual drive tyres (1601 mm width) - required for this rating. ** Dual Drive tyres (1601 mm width) - required for this rating. h2 & h4 are less loadbackrest.

Specifications (LPG)

VDI 2198 – General Specifications, LPG powered GLP20VX, GLP25VX

Distinguishing mark	1.1	Manufacturer (abbreviation)		Yale	Yale	Yale
	1.2	Manufacturer's type designation			GLP 20VX	
		Engine/Transmission		PSI 2.4L Standard Electronic, 1-Speed	PSI 2.4L Techtronix 100, 1-Speed	Kubota 2.5L Techtronix 100, 1-Speed
		Model		Base	Value	Productivity
		Brake Type		Drum brakes	ADS Drum or Oil-immersed	Oil-immersed
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		LPG	LPG	LPG
	1.4	Operator type: hand, pedestrian, standing, seated, orderpicker		Seated	Seated	Seated
	1.5	Rated capacity / rated load	Q (t)	2.0	2.0	2.0
	1.6	Load centre distance	c (mm)	500	500	500
	1.8	Load distance, centre of drive axle to fork	x (mm)	471	471	471
	1.9	Wheelbase	y (mm)	1623	1623	1623
Weights	2.1	Service weight	kg	3515	3515	3515
	2.2	Axle loading, laden front / rear	kg	5003 / 512	5003 / 512	5003 / 512
	2.3	Axle loading, unladen front / rear	kg	1807 / 1708	1807 / 1708	1807 / 1708
Tyres/chassis	3.1	Tyres: P = pneumatic, V = cushion, SE = superelastic		SE	SE	SE
	3.2	Tyre size, front		7.00 x 12 - 12	7.00 X 12 - 12	7.00 x 12 - 12
	3.3	Tyre size, rear		6.00 x 9	6.00 x 9	6.00 x 9
	3.5	Number of wheels, front/rear (x = driven wheels)		2x / 2	2x / 2	2x / 2
	3.6	Tread, front	b_{10} (mm)	965	965	965
	3.7	Tread, rear	b_{11} (mm)	967	967	967
Dimensions	4.1	Tilt of mast/fork carrige, forward / backward	α / β (°)	6 / 5	6 / 5	6 / 5
	4.2	Height, mast lowered	h_1 (mm)	2170	2170	2170
	4.3	Free lift ▼	h_2 (mm)	140	140	140
	4.4	Lift ▼	h_3 (mm)	3250	3250	3250
	4.5	Height, mast extended ✚	h_4 (mm)	3904	3904	3904
	4.7	Height of overhead guard (cabin) ❍	h_6 (mm)	2160	2160	2160
	4.71	Cab height (open cab)	(mm)	2181	2181	2181
	4.8	Seat height relating to SIP/stand height ✘	h_7 (mm)	1061	1061	1061
	4.12	Coupling height	h_{110} (mm)	365	365	365
	4.19	Overall length	l_1 (mm)	3486	3486	3486
	4.20	Length to face of forks	l_2 (mm)	2486	2486	2486
	4.21	Overall width ❑	b_1(mm)	1157 / 1317 / 1601	1157 / 1317 / 1601	1157 / 1317 / 1601
	4.22	Fork dimensions ISO 2331	s/e/l (mm)	40 x 100 x 1000	40 x 100 x 1000	40 x 100 x 1000
	4.23	Fork carriage ISO 2328, class/type A, B		II A	II A	II A
	4.24	Fork carriage width ◗	b_3 (mm)	1067	1067	1067
	4.31	Ground clearance, laden, below mast	m_1 (mm)	107	107	107
	4.32	Ground clearance, centre of wheelbase	m_2 (mm)	160	160	160
	4.33	Load dimension $b_{12} \times l_6$ crossways	$b_{12} \times l_6$ (mm)	1000 × 1200	1000 × 1200	1000 × 1200
	4.34	Aisle width predetermined load dimensions	A_{st} (mm)	3820	3820	3820
	4.34.1	Aisle width with pallets 1000mm x 1200mm crossways	A_{st} (mm)	3820	3820	3820
	4.34.2	Aisle width with pallets 800mm wide x 1200mm lengthways	A_{st} (mm)	4020	4020	4020
	4.35	Turning radius	W_a (mm)	2149	2149	2149
	4.36	Internal turning radius	b_{13} (mm)	629	629	629
	4.41	90° intersecting aisle (with pallet W = 1200mm, L = 1000mm)	(mm)	1987	1987	1987
	4.42	Step height (from ground to running board)	(mm)	707	702	702
	4.43	Step height (between intermediate steps between running board and floor)	(mm)	382	382	382
Performance data	5.1	Travel speed laden/unladen	km/h	17.3 / 18.0	17.3 / 18.0	16.7 / 17.0
	5.1.1	Travel speed, laden/unladen, backwards	km/h	17.3 / 18.0	17.3 / 18.0	16.7 / 17.0
	5.2	Lift speed, laden/unladen	m/s	0.61 / 0.63	0.61 / 0.63	0.62 / 0.64
	5.3	Lowering speed, laden/unladen	m/s	0.58 / 0.50	0.58 / 0.50	0.58 / 0.50
	5.5	Drawbar pull, laden/unladen *	N	18720 / 11000	18720 / 11000	19085 / 11000
	5.6	Maximum drawbar pull laden/unladen,	N	22100 / 11000	22100 / 11000	22290 / 11000
	5.7	Gradeability, laden/unladen **	%	19.0 / 29.8	19.0 / 29.8	25.5 / 32.1
	5.9	Acceleration time, laden/unladen	s	4.8 / 4.3	4.8 / 4.3	4.5 / 4.0
	5.10	Service brake		Hydraulic	Hydraulic	Hydraulic
Combustion engine	7.1	Engine manufacturer/type		PSI 2.4L	PSI 2.4L	Kubota 2.5L
	7.2	Engine power according to ISO1585	kW	44.0	44.0	43.9
	7.3	Rated speed	min-1	2700	2700	2500
	7.4	Number of cylinders/displacement	(-)/cm^3	4 / 2351	4 / 2351	4 / 2491
	7.5	Fuel consumtion according to VDI cycle	l/h or kg/h	2.5	2.5	2.6
	8.1	Type of drive unit		Hydrodynamic	Hydrodynamic	Hydrodynamic
Addition data	10.1	Operating pressure for attachments	bar	0 - 155	0 - 155	0 - 155
	10.2	Oil volume for attachments ◊	l/min	62	62	66
	10.3	Hydraulic oil tank, capacity	litres	45.8	45.8	45.8
	10.4	Fuel tank, capacity	litres	52.8	52.8	52.8
	10.7	Sound pressure level at the driver's seat ★	dB(A)	77	77	78
	10.71	Sound power level during the workcycle ◆	dB(A)	97	97	96
	10.72	Guaranteed sound power 2000/14/EC	dB(A)	101	101	100
	10.8	Towing coupling, type DIN		Pin	Pin	Pin

** Engine data based on max. capacity displacement.
▲ Top of forks.
✚ Without load backrest.
❍ h6 subject to +/- 5 mm tolerance. GLP20-25VX add 25mm when front tyre size 28x9-15 is selected.
✘ Full suspension seat in depressed position.
❑ Standard/Wide/Dual. When wet axle selected values are (1186 / 1321 / 1601) for all capacities.
◗ Add 32mm with load backrest.
* at 1.6km/h.
** at 4.8km/h.
◊ Variable.
★ LPAZ, measured according to the test cycles and based on the weighting values contained in EN12053.

Specifications (LPG)

Yale	Yale	Yale	Yale	Yale	1.1	Distinguishing mark
	GLP 25VX				1.2	
Kubota 2.5L Techtronix 200, 2-Speed	PSI 2.4L Standard Electronic, 1-Speed	PSI 2.4L Techtronix 100, 1-Speed	Kubota 2.5L Techtronix 100, 1-Speed	Kubota 2.5L Techtronix 200, 2-Speed		
Productivity	Base	Value	Productivity	Productivity		
Oil-immersed	Drum brakes	ADS Drum or Oil-immersed	Oil-immersed	Oil-immersed		
LPG	LPG	LPG	LPG	LPG	1.3	
Seated	Seated	Seated	Seated	Seated	1.4	
2.0	2.5	2.5	2.5	2.5	1.5	
500	500	500	500	500	1.6	
471	471	471	471	471	1.8	
1623	1623	1623	1623	1623	1.9	
3515	3853	3853	3853	3853	2.1	Weights
5003 / 512	5732 / 621	5732 / 621	5732 / 621	5732 / 621	2.2	
1807 / 1708	1737 / 2116	1737 / 2116	1737 / 2116	1737 / 2116	2.3	
SE	SE	SE	SE	SE	3.1	
7.00 x 12 - 12	7.00 x 12 - 12	7.00 x 12 - 12	7.00 x 12 - 12	7.00 x 12 - 12	3.2	Tyres/chassis
6.00 x 9	6.00 x 9	6.00 x 9	6.00 x 9	6.00 x 9	3.3	
2x / 2	2x / 2	2x / 2	2x / 2	2x / 2	3.5	
965	965	965	965	965	3.6	
967	967	967	967	967	3.7	
6 / 5	6 / 5	6 / 5	6 / 5	6 / 5	4.1	Dimensions
2170	2170	2170	2170	2170	4.2	
140	140	140	140	140	4.3	
3250	3250	3250	3250	3250	4.4	
3904	3904	3904	3904	3904	4.5	
2160	2160	2160	2160	2160	4.7	
2181	2181	2181	2181	2181	4.71	
1061	1061	1061	1061	1061	4.8	
365	365	365	365	365	4.12	
3486	3559	3559	3559	3559	4.19	
2486	2559	2559	2559	2559	4.20	
1157 / 1317 / 1601	1157 / 1317 / 1601	1157 / 1317 / 1601	1157 / 1317 / 1601	1157 / 1317 / 1601	4.21	
40 x 100 x 1000	40 x 100 x 1000	40 x 100 x 1000	40 x 100 x 1000	40 x 100 x 1000	4.22	
II A	II A	II A	II A	II A	4.23	
1067	1067	1067	1067	1067	4.24	
107	107	107	107	107	4.31	
160	160	160	160	160	4.32	
1000 × 1200	1000 × 1200	1000 × 1200	1000 × 1200	1000 × 1200	4.33	
3820	3887	3887	3887	3887	4.34	
3820	3887	3887	3887	3887	4.34.1	
4020	4087	4087	4087	4087	4.34.2	
2149	2216	2216	2216	2216	4.35	
629	629	629	629	629	4.36	
1987	2020	2020	2020	2020	4.41	
702	707	702	702	702	4.42	
382	382	382	382	382	4.43	
20.8 / 21.2	17.3 / 18.0	17.3 / 18.0	16.7 / 17.0	20.8 / 21.2	5.1	Performance data
16.3 / 16.6	17.3 / 18.0	17.3 / 18.0	16.7 / 17.0	16.3 / 16.6	5.1.1	
0.58 / 0.61	0.61 / 0.63	0.61 / 0.63	0.62 / 0.64	0.57 / 0.61	5.2	
0.58 / 0.50	0.58 / 0.50	0.58 / 0.50	0.58 / 0.50	0.58 / 0.50	5.3	
20875 / 11000	18580/ 11450	18580/ 11450	18946 / 10500	20825 / 10500	5.5	
21800 / 11000	22000 / 10500	22000 / 10500	22150 / 10500	21800 / 10500	5.6	
26.5 / 32.1	16.0 / 29.0	16.0 / 29.0	21.8 / 28.0	22.7 / 28.0	5.7	
4.9 / 4.3	5.1 / 4.4	5.1 / 4.4	4.7 / 4.1	5.1 / 4.4	5.9	
Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	5.10	
Kubota 2.5L	PSI 2.4L	PSI 2.4L	Kubota 2.5L	Kubota 2.5L	7.1	Combustion engine
43.9	44.0	44.0	43.9	43.9	7.2	
2500	2700	2700	2500	2500	7.3	
4 / 2491	4 / 2351	4 / 2351	4 / 2491	4 / 2491	7.4	
2.7	2.7	2.7	2.8	2.9	7.5	
Hydrodynamic	Hydrodynamic	Hydrodynamic	Hydrodynamic	Hydrodynamic	8.1	
0 - 155	0 - 155	0 - 155	0 - 155	0 - 155	10.1	Addition data
66	62	62	66	66	10.2	
45.8	45.8	45.8	45.8	45.8	10.3	
52.8	52.8	52.8	52.8	52.8	10.4	
78	77	77	78	78	10.7	
96	97	97	96	96	10.7.1	
100	101	101	100	100	10.7.2	
Pin	Pin	Pin	Pin	Pin	10.8	

◆ LWAZ, measured according to the test cycles and based on the weighting values contained in EN12053.

Base specification truck based on: 3290mm (GLP20/25VX) / 3105mm (GLP30/35VX) top of forks 2 stage LFL Standard carriage, 1000mm forks and manual levers.

Value and Productivity specification truck based on: 3290mm (GLP20/25VX) / 3105mm (GLP30/35VX) top of forks 2 stage LFL Standard carriage, 1000mm forks and manual levers.

For Value trucks fitted with manual levers, the values for lines 5.2 and 7.5 are as on the Base VDI table.

Specifications (LPG)

VDI 2198 – General Specifications, LPG powered GLP30VX, GLP35VX

Distinguishing mark	1.1	Manufacturer (abbreviation)		Yale	Yale	Yale
	1.2	Manufacturer's type designation		GLP 30VX		
		Engine/Transmission		PSI 2.4L Standard Electronic, 1-Speed	PSI 2.4L Techtronix 100, 1-Speed	Kubota 2.5L Techtronix 100, 1-Speed
		Model		Base	Value	Productivity
		Brake Type		Drum brakes	ADS Drum or Oil-immersed	Oil-immersed
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		LPG	LPG	LPG
	1.4	Operator type: hand, pedestrian, standing, seated, orderpicker		Seated	Seated	Seated
	1.5	Rated capacity / rated load	Q (t)	3.0	3.0	3.0
	1.6	Load centre distance	c (mm)	500	500	500
	1.8	Load distance, centre of drive axle to fork	x (mm)	483	483	483
	1.9	Wheelbase	y (mm)	1623	1623	1623
Weights	2.1	Service weight	kg	4329	4329	4329
	2.2	Axle loading, laden front / rear	kg	6619 / 710	6619 / 710	6619 / 710
	2.3	Axle loading, unladen front / rear	kg	1802 / 2527	1802 / 2527	1802 / 2527
Tyres/chassis	3.1	Tyres: P = pneumatic, V = cushion, SE = superelastic		SE	SE	SE
	3.2	Tyre size, front		28 x 9 - 15	28 x 9 - 15	28 x 9 - 15
	3.3	Tyre size, rear		6.50 x 10	6.50 x 10	6.50 x 10
	3.5	Number of wheels, front/rear (x = driven wheels)		2x / 2	2x / 2	2x / 2
	3.6	Tread, front	b_{10} (mm)	965	965	965
	3.7	Tread, rear	b_{11} (mm)	967	967	967
Dimensions	4.1	Tilt of mast/fork carrige, forward / backward	α / β (°)	6 / 5	6 / 5	6 / 5
	4.2	Height, mast lowered	h_1 (mm)	2195	2195	2195
	4.3	Free lift ▼	h_2 (mm)	140	140	140
	4.4	Lift ▼	h_3 (mm)	3055	3055	3055
	4.5	Height, mast extended ✚	h_4 (mm)	3809	3809	3809
	4.7	Height of overhead guard (cabin) ❍	h_6 (mm)	2185	2185	2185
	4.71	Cab height (open cab)	(mm)	2206	2206	2206
	4.8	Seat height relating to SIP/stand height ✘	h_7 (mm)	1086	1086	1086
	4.12	Coupling height	h_{110} (mm)	390	390	390
	4.19	Overall length	l_1 (mm)	3633	3633	3633
	4.20	Length to face of forks	l_2 (mm)	2633	2633	2633
	4.21	Overall width ❑	b_1 (mm)	1186 / 1321 / 1601	1186 / 1321 / 1601	1186 / 1321 / 1601
	4.22	Fork dimensions ISO 2331	s/e/l (mm)	50 x 120 x 1000	50 x 120 x 1000	50 x 120 x 1000
	4.23	Fork carriage ISO 2328, class/type A, B		III A	III A	III A
	4.24	Fork carriage width ◗	b_3 (mm)	1067	1067	1067
	4.31	Ground clearance, laden, below mast	m_1 (mm)	132	132	132
	4.32	Ground clearance, centre of wheelbase	m_2 (mm)	185	185	185
	4.33	Load dimension $b_{12} \times l_6$ crossways	$b_{12} \times l_6$ (mm)	1000 × 1200	1000 × 1200	1000 × 1200
	4.34	Aisle width predetermined load dimensions	A_{st} (mm)	3955	3955	3955
	4.34.1	Aisle width with pallets 1000mm x 1200mm crossways	A_{st} (mm)	3955	3955	3955
	4.34.2	Aisle width with pallets 800mm wide x 1200mm lengthways	A_{st} (mm)	4155	4155	4155
	4.35	Turning radius	W_a (mm)	2277	2277	2277
	4.36	Internal turning radius	b_{13} (mm)	618	618	618
	4.41	90° intersecting aisle (with pallet W = 1200mm, L = 1000mm)	(mm)	2077	2077	2077
	4.42	Step height (from ground to running board)	(mm)	727	727	727
	4.43	Step height (between intermediate steps between running board and floor)	(mm)	407	407	407
Performance data	5.1	Travel speed laden/unladen	km/h	19.1 / 20.3	19.1 / 20.3	17.8 / 18.2
	5.1.1	Travel speed, laden/unladen, backwards	km/h	19.1 / 20.3	19.1 / 20.3	17.8 / 18.2
	5.2	Lift speed, laden/unladen	m/s	0.53 / 0.55	0.53 / 0.55	0.55 / 0.56
	5.3	Lowering speed, laden/unladen	m/s	0.53 / 0.47	0.53 / 0.47	0.53 / 0.47
	5.5	Drawbar pull, laden/unladen *	N	17054 / 10800	17054 / 10800	17380 / 10800
	5.6	Maximum drawbar pull laden/unladen,	N	19950 / 10800	19950 / 10800	20100 / 10800
	5.7	Gradeability, laden/unladen **	%	16.9 / 25.0	16.9 / 25.0	17.6 / 26.1
	5.9	Acceleration time, laden/unladen	s	5.3 / 4.5	5.3 / 4.5	4.9 / 4.2
	5.10	Service brake		Hydraulic	Hydraulic	Hydraulic
Combustion engine	7.1	Engine manufacturer/type		PSI 2.4L	PSI 2.4L	Kubota 2.5L
	7.2	Engine power according to ISO1585	kW	44.0	44.0	43.9
	7.3	Rated speed	min-1	2700	2700	2500
	7.4	Number of cylinders/displacement	(-)/cm³	4 / 2351	4 / 2351	4 / 2491
	7.5	Fuel consumtion according to VDI cycle	l/h or kg/h	3.1	3.1	3.0
	8.1	Type of drive unit		Hydrodynamic	Hydrodynamic	Hydrodynamic
Addition data	10.1	Operating pressure for attachments	bar	0 - 155	0 - 155	0 - 155
	10.2	Oil volume for attachments ◊	l/min	62	62	66
	10.3	Hydraulic oil tank, capacity	litres	45.8	45.8	45.8
	10.4	Fuel tank, capacity	litres	52.8	52.8	52.8
	10.7	Sound pressure level at the driver's seat ★	dB(A)	77	77	78
	10.7.1	Sound power level during the workcycle ◆	dB(A)	97	97	96
	10.72	Guaranteed sound power 2000/14/EC	dB(A)	101	101	100
	10.8	Towing coupling, type DIN		Pin	Pin	Pin

** Engine data based on max. capacity displacement.
▲ Top of forks.
✚ Without load backrest.
❍ h6 subject to +/- 5 mm tolerance. GLP20-25VX add 25mm when front tyre size 28x9-15 is selected.
✘ Full suspension seat in depressed position.
❑ Standard/Wide/Dual. When wet axle selected values are (1186 / 1321 / 1601) for all capacities.
◗ Add 32mm with load backrest.
* at 1.6km/h.
** at 4.8km/h.
◊ Variable.
★ LPAZ, measured according to the test cycles and based on the weighting values contained in EN12053.

Specifications (LPG)

Yale	Yale	Yale	Yale	Yale	1.1	Distinguishing mark
	GLP 35VX				1.2	
Kubota 2.5L Techtronix 200, 2-Speed	PSI 2.4L Standard Electronic, 1-Speed	PSI 2.4L Techtronix 100, 1-Speed	Kubota 2.5L Techtronix 100, 1-Speed	Kubota 2.5L Techtronix 200, 2-Speed		
Productivity	Base	Value	Productivity	Productivity		
Oil-immersed	Drum brakes	ADS Drum or Oil-immersed	Oil-immersed	Oil-immersed		
LPG	LPG	LPG	LPG	LPG	1.3	
Seated	Seated	Seated	Seated	Seated	1.4	
3.0	3.5	3.5	3.5	3.5	1.5	
500	500	500	500	500	1.6	
483	483	483	483	483	1.8	
1623	1700	1700	1700	1700	1.9	
4329	4646	4646	4646	4646	2.1	Weights
6619 / 710	7283 / 863	7283 / 863	7283 / 863	7283 / 863	2.2	
1802 / 2527	1761 / 2885	1761 / 2885	1761 / 2885	1761 / 2885	2.3	
SE	SE	SE	SE	SE	3.1	
28 x 9 - 15	28 x 9 - 15	28 x 9 - 15	28 x 9 - 15	28 x 9 - 15	3.2	Tyres/chassis
6.50 x 10	6.50 x 10	6.50 x 10	6.50 x 10	6.50 X 10	3.3	
2x / 2	2x / 2	2x / 2	2x / 2	2x / 2	3.5	
965	965	965	965	965	3.6	
967	967	967	967	967	3.7	
6 / 5	6 / 5	6 / 5	6 / 5	6 / 5	4.1	Dimensions
2195	2195	2195	2195	2195	4.2	
140	140	140	140	140	4.3	
3055	3055	3055	3055	3055	4.4	
3809	3809	3809	3809	3809	4.5	
2185	2185	2185	2185	2185	4.7	
2206	2206	2206	2206	2206	4.71	
1086	1086	1086	1086	1086	4.8	
390	390	390	390	390	4.12	
3633	3734	3734	3734	3734	4.19	
2633	2734	2734	2734	2734	4.20	
1186 / 1321 / 1601	1186 / 1321 / 1601	1186 / 1321 / 1601	1186 / 1321 / 1601	1186 / 1321 / 1601	4.21	
50 x 120 x 1000	50 x 120 x 1000	50 x 120 X 1000	50 x 120 x 1000	50 x 120 X 1000	4.22	
III A	III A	III A	III A	III A	4.23	
1067	1067	1067	1067	1067	4.24	
132	132	132	132	132	4.31	
185	185	185	185	185	4.32	
1000 × 1200	1000 × 1200	1000 × 1200	1000 × 1200	1000 × 1200	4.33	
3955	4058	4058	4058	4058	4.34	
3955	4058	4058	4058	4058	4.34.1	
4155	4258	4258	4258	4258	4.34.2	
2277	2380	2380	2380	2380	4.35	
618	647	647	647	647	4.36	
2077	2111	2111	2111	2111	4.41	
727	727	727	727	727	4.42	
407	407	407	407	407	4.43	
22.0 / 22.7	19.1 / 20.3	19.1 / 20.3	17.8 / 18.2	22.0 / 22.7	5.1	Performance data
17.8 / 17.9	19.1 / 20.3	19.1 / 20.3	17.8 / 18.2	17.8 / 17.9	5.1.1	
0.49 / 0.53	0.53 / 0.55	0.53 / 0.55	0.56 / 0.56	0.48 / 0.53	5.2	
0.53 / 0.47	0.53 / 0.47	0.53 / 0.47	0.53 / 0.47	0.53 / 0.47	5.3	
19270 / 10800	16905 / 10600	16905 / 10600	17230 / 10600	19120 / 10600	5.5	
21800 / 10800	19800 / 10600	19800 / 10600	19950 / 10600	21800 / 10600	5.6	
18.5 / 26.1	15.0 / 23.0	15.0 / 23.0	15.6 / 23.9	16.4 / 23.9	5.7	
5.4 / 4.6	5.6 / 4.6	5.6 / 4.6	5.2 / 4.3	5.6 / 4.7	5.9	
Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	5.10	
Kubota 2.5L	PSI 2.4L	PSI 2.4L	Kubota 2.5L	Kubota 2.5L	7.1	Combustion engine
43.9	44.0	44.0	43.9	43.9	7.2	
2500	2700	2700	2500	2500	7.3	
4 / 2491	4 / 2351	4 / 2351	4 / 2491	4 / 2491	7.4	
3.2	3.4	3.4	3.2	3.4	7.5	
Hydrodynamic	Hydrodynamic	Hydrodynamic	Hydrodynamic	Hydrodynamic	8.1	
0 - 155	0 - 155	0 - 155	0 - 155	0 - 155	10.1	Addition data
66	62	62	66	66	10.2	
45.8	45.8	45.8	45.8	45.8	10.3	
52.8	52.8	52.8	52.8	52.8	10.4	
78	77	77	78	78	10.7	
96	97	97	96	96	10.71	
100	101	101	100	100	10.72	
Pin	Pin	Pin	Pin	Pin	10.8	

◆ LWAZ, measured according to the test cycles and based on the weighting values contained in EN12053.

Base specification truck based on: 3290mm (GLP20/25VX) / 3105mm (GLP30/35VX) top of forks 2 stage LFL Standard carriage, 1000mm forks and manual levers.

Value and Productivity specification truck based on: 3290mm (GLP20/25VX) / 3105mm (GLP30/35VX) top of forks 2 stage LFL Standard carriage, 1000mm forks and manual levers.

For Value trucks fitted with manual levers, the values for lines 5.2 and 7.5 are as on the Base VDI table.

Yale GDP20-35VX

This series of trucks is available in three configurations.

The Veracitor Base truck offers first-rate performance for a wide variety of applications, geared to minimise cost of acquisition without compromising performance.

The Veracitor Value truck provides excellent performance and is optimised for lowest hourly operating cost.

The Veracitor Productivity truck delivers maximum performance for medium to heavy-duty applications with state-of-the art features and industry leading power.

Engines

Yale Veracitor truck is powered by a range of heavy duty industrial engines, designed to deliver power efficiently over a 20,000 hour design life with 500 hour service intervals. All engines feature Cast Iron Blocks and a 5 main bearing design; engines are fully isolated from the frame and axle to prevent direct transmission of noise and vibration, resulting in low vehicle noise and vibration levels.

These advanced Industrial Engines feature coil over plug spark designs, and especially hardened intake and exhaust valve seats to ensure long operating life.

The Veracitor Base and Value models feature Yanmar 2.6L or 3.0L TNE series engines. Heavy Duty Diesel Engines from Yanmar have super quick glow plugs allowing the engine to start quickly and reliably under cold conditions, the cold start device delivering a cleaner exhaust by advancing the fuel injection timing based on water temperature. Controlling fuel injection timing according to engine load has reduced emissions.

The Veracitor Productivity models feature high performance Kubota 2.4L Diesel Engine. The Kubota 2.4L diesel engine is fully compliant with Stage IIIB requirements for regulated markets and is equipped with a Diesel Oxidation catalyst as standard. This engine uses a sophisticated high-pressure common rail fuel system with full electronic control.

Stage IIIB

= High productivity and low emissions. These low emissions trucks can be recognised by the Stage IIIB symbol.

Note: A Stage IIIB engine must run on Ultra Low Sulphur Diesel (ULSD) fuel, with a maximum of 15ppm sulphur content. Diesel fuel with higher sulphur content than 15ppm will compromise the emissions performance of the Stage IIIB engine and may result in damage to components and a reduction in engine life.

Transmission

Three transmission selections are available with multiple engine configurations for a wide variety of material handling applications.

1) Standard Electronic features electronic inching, electric shift control, neutral start switch, anti-restart protection and heavy-duty clutch packs.

2) The TechtronixTM 100 has all the Standard Electronic features plus an Auto Deceleration System (ADS), Controlled Power Reversal (CPR) and Controlled Roll-back (CRB).

3) The TechtronixTM 200 has all the TechtronixTM 100 features, plus Two Speed Auto Shift (2 x forward, 1 x reverse) and Extended Draw Bar Pull.

Load Sensing Hydraulics

With AccuTouchTM electrohydraulic controls Load Sensing Hydraulics (LSH) delivers increased operational efficiency, offering a 15% reduction in fuel consumption on the VDI cycle, with no loss in productivity*. Variable displacement piston pumps match the flow rate and lifting speed continuously to the demands of the duty cycle. O-ring face seal fittings are used in all high-pressure hydraulic connections. The engine therefore supplies power to the hydraulic pumps only when required, so more power is available for driving. With LSH Yale also offers an ECO-eLo (Fuel Efficiency) mode, reducing engine speed by 20% and optimising throttle response, so that the truck operates in the most economical power range. This results in a reduction in fuel consumption of a further 5%* but has a limited effect on overall truck productivity under application conditions. The ECO-eLo mode also delivers lower noise levels by up to 3dB(A). If a faster work rate, or higher productivity is required, the truck can easily be reprogrammed to HiP (High Performance) mode of operation through the dash display, with access secured by a unique customer password.

Autospeed Hydraulics

With Autospeed Hydraulics option the engine speed is automatically increased to provide full hydraulic power. The Pacesetter VSM maintains the current travel speed (or prevents travel) until the operator steps on the accelerator. No operator inching is required and simplifying operator actions increases productivity and efficiency.

Cooling System

The cooling system employs a 43cm blade pusher type fan. A permanently lubricated water pump and a high capacity, cross-flow radiator ensures rapid heat dissipation. The sealed cooling system operates at 15psi; the coolant recovery tank allows visual inspection of coolant level. A transmission oil cooler is integrated into the radiator, located in the side tank. The optional combi-cooler radiator features an externally mounted transmission oil cooler for increased heat transfer capability. All radiators are soft mounted for durability.

Drive Axle

The drive axle is designed to withstand heavy duty applications and absorb shock loads. It is a "self-contained" assembly isolated from the transmission by a heavy-duty rubber isolator. The axle shafts utilize a "rolled fillet" root spline design for increased resistance to torsion stress. A magnetic sump plug collects any metal particles circulating in the axle oil to prevent component wear.

Brakes

Brakes are duo-servo hydraulic, self-energizing, and automatic adjusting drum brake assemblies.

The Value and Productivity models have oil-immersed brakes as standard. The single circuit master cylinder has a sealed fluid reservoir and features a fluid level sensor, which activates an indicator light on the instrument panel.

Hydraulic Power Steering

Hydrostatic steering provides responsive control and eliminates mechanical linkages for reduced surface shock and simplified maintenance. The steering wheel is 30cm in diameter with a textured surface grip and spinner knob, and requires only four turns lock-to-lock. The centre mounted steer cylinder is located within the confines of the steer axle for protection.

Steer Axle

Constructed from cast steel, the steer axle is rubber shock mounted to the frame for reduced wear and vibration. The CSE (Continuous Stability Enhancement) system enhances lateral truck stability through reduced steer axle articulation, while simultaneously allowing uncompromised travel on uneven surfaces.

Operator's Compartment

Base truck features cowl mounted hydraulic control levers as standard, positioned on the right side of the steering column. All models are available with AccuTouchTM mini-lever armrest, which features a contoured design, and – in addition to the hydraulic functions - features a horn and direction switch.

The Full Suspension Seat together with the isolated powertrain provide best in class Whole-Body Vibration levels of 0.6m/s2, ensuring that the operator remains comfortable throughout the shift and fatigue, aches and pains are kept to a minimum. Automotive-style pedal arrangement with a large, single inch/brake pedal is standard.

Intellix Vehicle System Management (VSM)

VSM acts as a master truck controller, providing extensive monitoring and control of truck functions and systems. CANbus technology reduces wiring complexity and enables communications between truck systems. The dash display transmits continual feedback to the operator and allows communication of service codes. On-board diagnostics enable quick and easy troubleshooting. The electrical system features sealed connectors and Hall Effect sensors for superior dependability.

*(*Yale Productivity Test Cycle: Load Sensing Hydraulics is available on trucks with AccuTouchTM mini-levers and the ECO-eLo function is available on trucks with TechtronixTM transmissions only).*

Yale GLP20-35VX

This series of trucks is available in three configurations.

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*(*Yale Productivity Test Cycle: Load Sensing Hydraulics is available on trucks with AccuTouchTM mini-levers and the ECO-eLo function is available on trucks with TechtronixTM transmissions only).*

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