

LX series

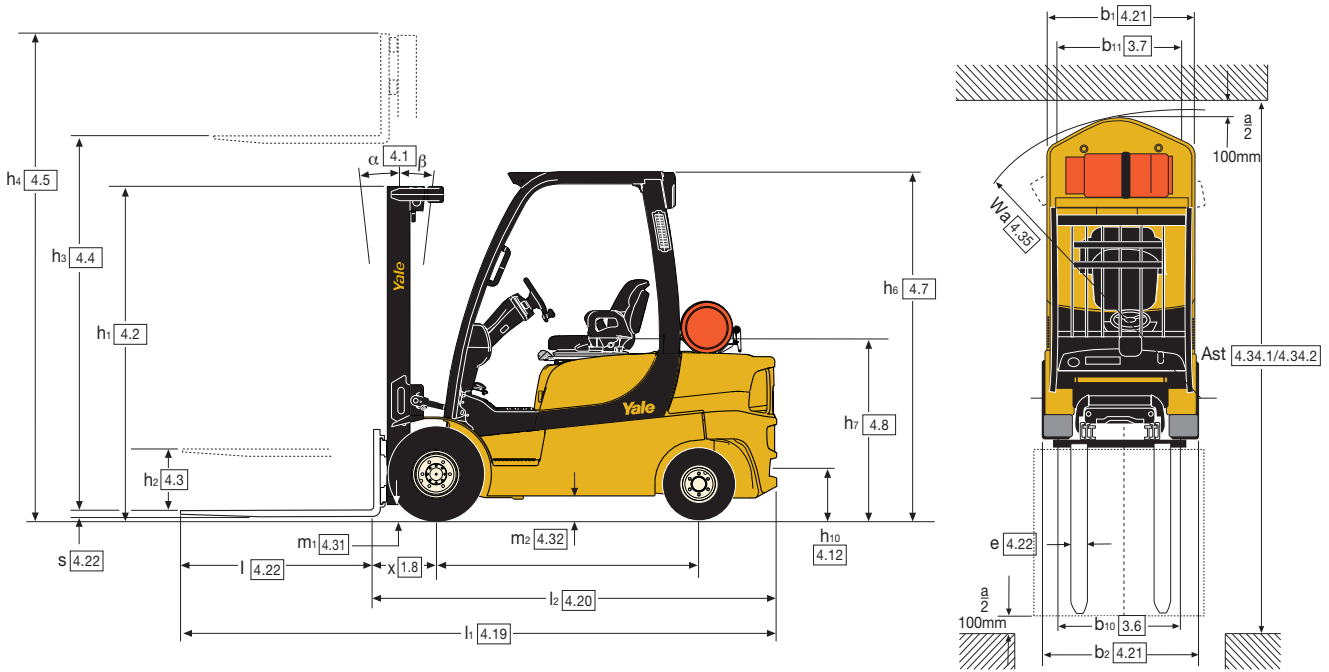
Diesel and LP Gas Forklift Trucks

2,000kg / 2,500kg

- 2,000kg or 2,500kg capacities, Diesel or LPG power
- Electronic Powershift transmission delivers fast load handling
- Proven components ensure excellent reliability and high productivity



Truck Dimensions



Mast details and capacity ratings (kg) - Supercushion tyres

Model		GDP/GLP 20LX				GDP/GLP 25LX			
Tyres		Front: 6.5 x 10-10, Rear: 18 x 7-8				Front: 6.5 x 10-10, Rear: 18 x 7-8			
Width across tyres		1147mm				1147mm			
Masts	Height of mast, lowered (mm) h_1	Free Lift (ToF) (mm) h_2	Max. Fork height (mm) $h_3 + s$	Height, mast extended (mm) h_4	Back tilt	Without side shift	With integral side shift	Without side shift	With integral side shift
						Load Centre (kg)	Load Centre (kg)	Load Centre (kg)	Load Centre (kg)
2 Stage LFL	2176	140	3332	4555	5	500	500	500	500
	2426	140	3832	5055	5	2000	1920	2500	2400
3 Stage FFL	2049	1554**	4325	5537*	5	2000	1910	2500	2410
	2199	1704**	4775	5987*	5	1890	1810	2090	2080
	2299	1804**	5075	6287*	5	1820	1740	1760	1750

* With load backrest

** Without load backrest

Application guide

Attributes	GDP/GLP20LX	GDP/GLP25LX
Typical Operation	Standard applications	Standard applications
Typical Shifts per Day	1-2 shifts per day	1-2 shifts per day
Typical Operation Frequency	Intermittent usage, with capacity loads	Intermittent usage, with capacity loads
Duty cycle levels	Moderate	Moderate
Ramp Usage	Occasional	Occasional
Fuel Type	Diesel / LPG	Diesel / LPG
Standard Engine	2.6L / 2.2L	2.6L / 2.2L
Engine Power	29,1kW / 36.0kW	29,1kW / 36.0kW
Mast Types	2-Stage Limited Free Lift or 3-Stage Full Free Lift	2-Stage Limited Free Lift or 3-Stage Full Free Lift
Attachment Compatibility	Side-shift and non-clamping attachments	Side-shift and non-clamping attachments
Hydraulic Functions	2 auxiliary functions	2 auxiliary functions
Travel Speeds (with load, km/h)	16,9 / 18,3	16,9 / 18,3
Ast 1000 mm x 1200mm wide	3763 mm	3824 mm
Lift Speed with load (m/s)	0,42 / 0,47	0,41 / 0,47
Gradeability laden @1,6 km/h	29,3% / 30,3%	26,1% / 28,7%

VDI 2198 - General Specifications

			Yale	Yale	Yale	Yale	
Distinguishing mark	1.1	Manufacturer (abbreviation)					
	1.2	Manufacturer's type designation		GDP 20 LX	GDP 25 LX	GLP 20 LX	GLP 25 LX
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		Diesel	Diesel	LPG	LPG
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seat	Seat	Seat	Seat
	1.5	Rated capacity/rated load	Q (kg)	2,000	2,500	2,000	2,500
	1.6	Load centre distance	c (mm)	500	500	500	500
	1.8	Load distance, centre of drive axle to fork	x (mm)	388	388	388	388
	1.9	Wheelbase	y (mm)	1623	1623	1623	1623
	Weights	2.1	Service weight	kg	3400	3675	3240
2.2		Axle loading, laden front/rear	kg	4806 / 594	5635 / 540	4727 / 513	5493 / 527
2.3		Axle loading, unladen front/rear	kg	1712 / 1688	1630 / 2045	1632 / 1608	1560 / 1960
Tyres/chassis	3.1	Tyres: L = pneumatic, V = cushion, SE = supercushion		SE	SE	SE	SE
	3.2	Tyre size, front		6.5 X 10-10	6.5 X 10-10	6.5 X 10-10	6.5 X 10-10
	3.3	Tyre size, rear	b10 (mm)	18 X 7-8	18 X 7-8	18 X 7-8	18 X 7-8
	3.5	Wheels, number front/rear (x = driven wheels)	b11 (mm)	2x / 2	2 x / 2	2 x / 2	2 x / 2
	3.6	Tread, front		978	978	978	978
	3.7	Tread, rear		895	895	895	895
	Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α / β (°)	5 / 5	5 / 5	5 / 5
4.2		Height of mast, lowered	h1 (mm)	2049	2049	2049	2049
4.3		Free lift ▲	h2 (mm)	1554	1554	1554	1554
4.4		Lift ▲	h3 (mm)	4325	4325	4325	4325
4.5		Height, mast extended +	h4 (mm)	4820	4820	4820	4820
4.7		Height of overhead guard (cabin) ○	h6 (mm)	2149	2149	2149	2149
4.8		Seat height/stand height ✕	h7 (mm)	1044	1044	1044	1044
4.12		Coupling height	h10 (mm)	330	330	330	330
4.19		Overall length	l1 (mm)	3426	3491	3426	3491
4.20		Length to face of forks	l2 (mm)	2426	2491	2426	2491
4.21		Overall width	b1/b2 (mm)	1147	1147	1147	1147
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	40 x 100 x 1000
4.23		Fork carriage ISO 2328, class/type A,B		IIA	IIA	IIA	IIA
4.24		Fork carriage width ▶	b3 (mm)	1067	1067	1067	1067
4.31		Ground clearance, laden, below mast	m1 (mm)	98	98	98	98
4.32		Ground clearance, centre of wheelbase	m2 (mm)	127	127	127	127
4.34.1		Aisle width for pallets 1000 long x 1200 crossways ●	Ast (mm)	3763	3824	3763	3824
4.34.2		Aisle width for pallets 800 wide x 1200 lengthways ●	Ast (mm)	3963	4024	3963	4024
4.35		Turning radius	Wa (mm)	2175	2236	2175	2236
4.36	Internal turning radius	b13 (mm)	676	676	676	676	
4.42	Step height	(mm)	356	356	356	356	
Performance data	5.1	Travel speed, laden/unladen	km/h	16.9 / 17.0	16.9 / 17.0	18.3 / 18.5	18.3 / 18.5
	5.2	Lift speed, laden/unladen	m/s	0.42 / 0.52	0.41 / 0.52	0.47 / 0.55	0.47 / 0.55
	5.3	Lowering speed, laden/unladen	m/s	0.50 / 0.43	0.50 / 0.43	0.49 / 0.42	0.49 / 0.42
	5.5	Drawbar pull, laden/unladen	N	14.2 / 8.8	14.0 / 9.5	15.6 / 8.8	15.6 / 9.5
	5.6	Max. drawbar pull, laden/unladen	N	16.6 / 8.8	16.4 / 9.5	18.3 / 8.8	18.2 / 9.5
	5.7	Gradeability, laden/unladen ■	%	20.1 / 27.3	15.0 / 27.3	21.1 / 27.3	20.1 / 27.3
	5.8	Max. gradeability, laden/unladen ■	%	29.3 / 27.3	26.1 / 27.3	30.3 / 27.3	28.7 / 27.3
	5.9	Acceleration time, laden/unladen	s	5.1 / 4.5	5.4 / 4.7	5.1 / 4.4	5.4 / 4.5
	5.10	Service brake		Hydraulic	Hydraulic	Hydraulic	Hydraulic
	Combustion-engine	7.1	Engine manufacturer/type		Yanmar	Yanmar	Mazda
7.2		Engine power according to ISO 1585	kW	29.1	29.1	36.0	36.0
7.3		Rated speed	min-1	2400	2400	2600	2600
7.4		Number of cylinders/displacement	(-)/cm3	4 / 2659	4 / 2659	4 / 2184	4 / 2184
7.5		Fuel consumption according to VDI cycle	l/h or kg/h	2.9	3.3	2.5	2.7
8.1	Type of drive unit		Automatic	Automatic	Automatic	Automatic	
Addition data	10.1	Operating pressure for attachments	bar	0-155	0-155	0-155	0-155
	10.2	Oil volume for attachments	l/min	60	60	60	60
	10.3	Hydraulic oil tank, capacity	litres	39.3	39.3	39.3	39.3
	10.4	Fuel tank, capacity	litres	49.2	49.2	-	-
	10.7	Sound pressure level at the driver's seat ★	dB (A)	79	79	79	79
	10.7.1	Guaranteed sound power 2001/14/EC	dB (A)	102	102	103	103
	10.8	Towing coupling, type DIN		Pin	Pin	Pin	Pin

★ Measured according to the test cycles and based on the weighting values contained in EN12053.

▲ Top of forks

✕ Full-suspension seat in depressed position

▶ Add 32 mm with load backrest

+ Without load backrest

○ h6 subject to +/- 5 mm tolerance

● Stacking aisle width are based on the VDI standard calculation as shown on illustration. The British Industrial Truck Association recommends the addition of 100 mm to the total clearance (dimension a) for extra operating margin at the rear of the truck.

■ Gradeability figures are provided for comparison of tractive performance, but are not intended to endorse the operation of the vehicle on the stated inclines. Follow instructions in the operating manual regarding operation on inclines.

Spec sheet truck based on:

4325mm (Top of Forks) 3-stage full free lift mast with standard carriage, 1000mm forks with manual levers.

LX series

Models: GDP/GLP 20LX, 25LX



Yale GDP/GLP20-25LX

Engineered to deliver high productivity in standard applications, the new Yale GDP/GLP20- 25LX series meets the requirements of users who require a cost-effective solution to their materials handling needs.

Available with either Diesel or LPG engines and in 2,000 or 2,500kg capacities, the new LX has been configured for standard applications, giving customers the opportunity to acquire a truck that exactly meets their materials handling needs, but at a reduced level of investment.

High Productivity

The new 20-25LX provides these customers with the performance characteristics they need, ensuring a high rate of productivity – the electronically controlled Powershift transmission delivers fast load handling and smooth direction changes. Loads can be positioned quickly and correctly thanks to the fast hydraulics and the optional integral sideshift and the responsive electronically-controlled inching adjustments gives the operator better control of load positioning.

Operator Comfort

The more efficient operators are over the course of the shift, the more profitable the operation will be. Operator comfort is key to maximizing productivity, so the LX driving position offers the ideal work place environment for operators, as well as excellent all-round visibility during handling operations.

Whole-body vibration levels are low thanks to the isolated powertrain and the standard full-suspension seat. Foot space is ample and all controls are in within easy reach - a 30cm diameter steering wheel with spinner knob, with an adjustable steering column offers infinite adjustments and comfort. The cowl-mounted hydraulic levers are precise and easy to operate. As drivers often need to get on and off the truck regularly during the shift, entry and exit is made easy thanks to a simple 3-point entry system, with a low step height of 35cm.

Reliable Operation

While carefully designed to operate efficiently in standard applications, the LX still retains the innovative design and

engineering, solid construction and reliability familiar to Yale users. Proven components, such as sealed electrical connectors, O-ring face seal fittings and a well-regarded durable Powershift transmission, plus a simplified electrical system that retains the benefits of CANbus wiring, ensuring maximum uptime, high productivity and reduced costs.

Low Operating Costs

Furthermore, the LX offers exceptional value for money - An efficient 2.6L Diesel or 2.2L LPG engine, Aluminium transmission and lighter overall weight help to maximise efficiency and deliver lower fuel costs, providing an ideal balance between the numbers of loads moved and the fuel used. The use of right-sized, dependable components, reduced complexity and a simplified list of options mean that over the lifetime of the truck, the savings continue to add up. The combination of lower upfront investment and low operating costs, makes Yale LX Series a cost-effective solution for many materials handling operations.

Easy Maintenance

Maintenance is made easy thanks to the complete cowl-to-counterweight service access, with a 65° opening hood and one-piece removable floor plate, helping to reduce downtime. Unplanned service can be kept to the minimum thanks to the use of proven, reliable components, such as sealed electrical connectors with IP66 rating against ingress of dirt and water, helping to keep your truck, and your operation, running smoothly. As with all Yale products, the LX is supported by a dealer network which offers excellent geographical coverage and the most responsive service organization in the industry, delivering after sales support that ensures that the maximum uptime is maintained.

Typical Application

Secondary distribution
Wholesale and retail
Light manufacturing
Rental

Standard Features

- 2.2L Mazda LPG or 2.6L Yanmar Diesel engine
- Powershift single speed transmission
- Drum brakes
- Supercushion tyres - Front 6.50 X 10-10 Rear 18 X 7-8
- Continuous Stability Enhancement system
- 2-stage Limited Free Lift mast - 3330mm maximum fork height
- 5 degree forward / 5 degree back tilt
- 1067mm Class IIA carriage
- 1000mm forks
- Vinyl full-suspension seat with seatbelt
- Cowl-mounted levers
- Direction lever
- 2149mm high Overhead Guard
- Rear reflectors
- Low diesel and LPG warning indicator
- Coolant Temperature warning light
- Adjustable steering column
- Integral tie downs
- 12 months/2000 hours manufacturer's warranty.

Options

- Masts: 3-stage Full Free Lift: 4800mm, 5100mm
- Load Backrest
- 1100mm, 1200mm forks
- Semi-suspension vinyl seat
- Light Kit: Halogen or LED work lights kit, LED brake, marker and reverse lights
- Amber LED strobe light-low or high mounted
- Back-up Alarm - self adjustable 82 - 102db(A)
- Dual rear-view mirrors
- Rear Drive Handle with Horn Button
- Three (3) or four (4) cowl mounted hydraulic control levers for nonclamping attachments
- 3rd function (1 Aux) hose group
- 4th function (2 Aux) hydraulic control.
- High visibility seat belt
- Extended manufacturer's warranty – 36 months/4000 hours

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
www.yale-forklifts.eu

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Safety. This truck conforms to the current EU requirements. Specification is subject to change without notice.

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Truck shown with optional equipment

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