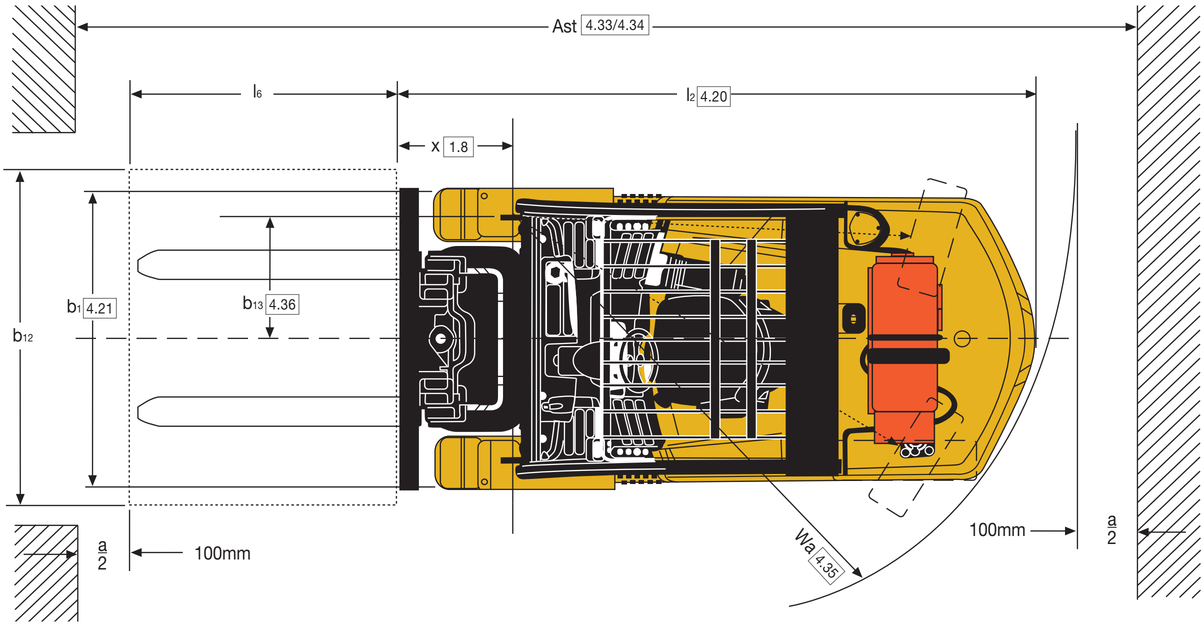
VX series

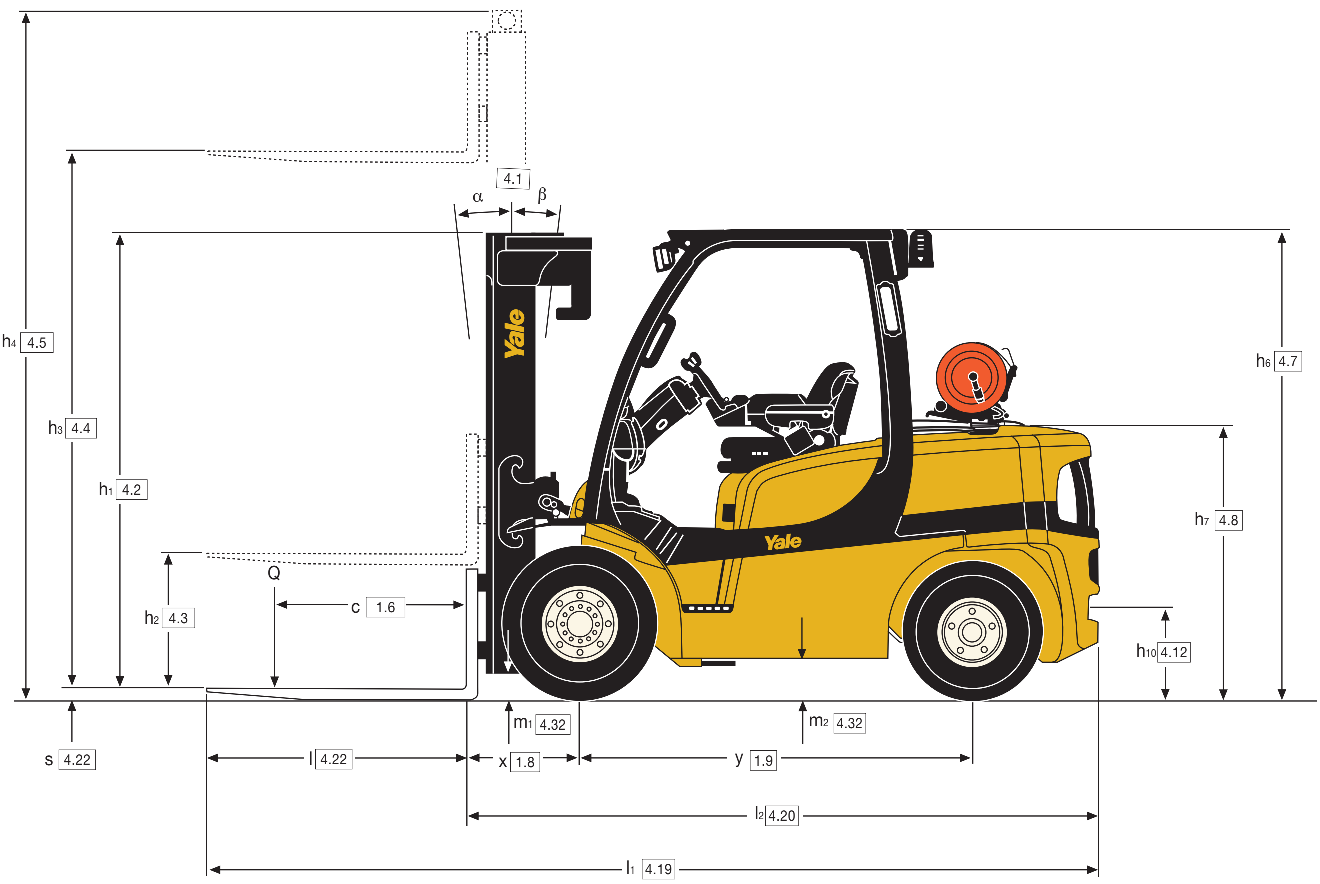
Diesel and LP Gas Forklift Trucks

4,000kg / 4,500kg / 5,000kg / 5,500kg

- Intellix Vehicle Management System
- 3 application matched transmissions
- Oil immersed brakes
- ADS - Auto Deceleration System on Techtronix 100 transmission
- Controlled roll-back
- CANbus technology
- AccuTouch™ mini-lever and manual levers
- Superelastic and pneumatic radial tyres

Truck Dimensions





Engine Specifications

Diesel Engine Specification

Engine	Kubota V3800 E4
Cylinders	Inline 4
Displacement	3.8 litre
Power	55kW @ 2,200rpm
Torque	309Nm @ 1,400rpm

LP Engine Specification

Engine	GM
Cylinders	V6
Displacement	4.3 litre
Power	77kW @ 2,400rpm
Torque	305Nm @ 2,400rpm

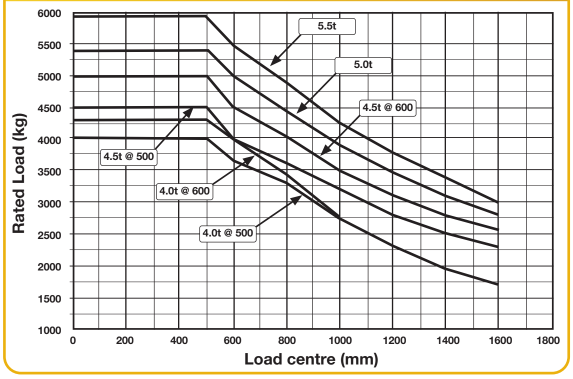
Options

- Powertrain protection system
- Premium monitoring package
- High air intake with pre-cleaner
- Accumulator
- Keyless start (with auxiliary key switch)
- Traction speed limiter
- Swing-out, drop-down EZ-Tank bracket
- Right hand armrest incorporating AccuTouch™ mini-lever electrohydraulic controls, direction switch and horn button
- Return-to-set tilt
- Swivel full suspension seat
- Foot directional control
- Operator password
- Mirrors - dual side view
- Alarm-reverse actuated 82-102dB(A) - self adjusting
- Amber strobe light - continuous activated
- Impact monitor
- Paper applications kit
- 4 function (2 aux) hydraulic control valve
- Load weight indicator

Capacities table - Standard carriage

Load centre	4.0t @ 500	4.0t @ 600	4.5t @ 500	4.5t @ 600	5.0t	5.5t
mm	kg	kg	kg	kg	kg	kg
0	4000	4300	4500	5000	5400	5950
200	4000	4300	4500	5000	5400	5950
500	4000	4300	4500	5000	5400	5950
600	3670	4000	4000	4500	5000	5500
800	3310	3450	3610	4030	4460	4900
1000	2760	2760	3150	3520	3900	4280
1200	2300	2300	2800	3130	3460	3800
1400	1970	1970	2520	2810	3110	3420
1600	1720	1720	2290	2560	2830	3000

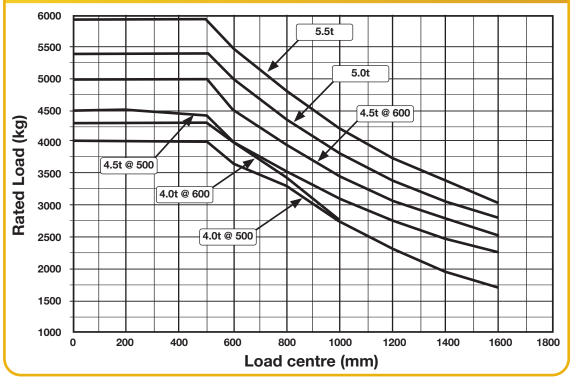
Capacities graph - Standard carriage



Capacities table - ISS

Load centre	4.0t @ 500	4.0t @ 600	4.5t @ 500	4.5t @ 600	5.0t	5.5t
mm	kg	kg	kg	kg	kg	kg
0	4000	4300	4500	5000	5400	5950
200	4000	4300	4500	5000	5400	5950
500	4000	4300	4440	4970	5400	5950
600	3670	4000	4000	4500	5000	5500
800	3320	3450	3500	3920	4340	4770
1000	2760	2760	3070	3430	3800	4180
1200	2300	2300	2730	3050	3380	3720
1400	1970	1970	2460	2750	3050	3350
1600	1720	1720	2240	2500	2770	3000

Capacities graph - ISS



Powertrains

	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		Diesel	LPG
Combustion engine	7.1	Engine manufacturer/type		Kubota V3800 DICR-T-E4	GM 4.3L V6
	7.2	Engine power according to ISO 1585	kW	55	77
	7.3	Rated speed	min-1	2200	2400
	7.3.1	Torque at 1/min	Nm/min-1	300 / 1400	305 / 2400
	7.4	Number of cylinders/displacement	cm3	4 / 3769	6 / 4302
	7.10	Battery voltage/nominal capacity [9]	V/Ah	12 / 105	12 / 66
Drive mechanism	8.1	Type of drive unit		Hydrodynamic	Hydrodynamic
	8.2	Manufacturer/type		NMHG/Electronic	NMHG/Electronic
	8.6	Wheel drive/drive axle manufacturer/type		Dana/WBA	Dana/WBA
	8.11	Service brake		Multi Disc Brake	Multi Disc Brake
	8.12	Parking brake		Multi Disc Brake	Multi Disc Brake

[9] Battery ampere hour (Ah) nominal capacity ratings are estimated.

GDP/GLP 40VX5, GDP/GLP 40VX6 Mast details and capacity ratings (kg) - superelastic tyres

Model								GLP/GDP 40 VX5						GLP/GDP 40 VX6			
Tyre size, front								250 x 15						250 x 15			
Overall width, front								1402mm						1402mm			
Mast	h1 (mm)	h2+s (mm)[1]	h3+s (mm)	h4 (mm)[1]	h4 (mm)[2]	Tilt		Forks Load Centre (kg)			Integral Sideshift Load Centre (kg)			Forks Load Centre (kg)		Integral Sideshift Load Centre (kg)	
						F	B	500	600	700	500	600	700	600	700	600	700
2 Stage LFL	2175	150	3050	3815	4300	6	10	4000	3670	3580	4000	3670	3470	4000	3890	4000	3770
	2475	150	3650	4415	4900	6	10	4000	3670	3570	4000	3670	3460	4000	3870	4000	3750
	2775	150	4250	5015	5500	6	10	4000	3670	3550	4000	3670	3440	4000	3860	4000	3740
	3225	150	4950	5715	6200	6	6	3880	3560	3430	3880	3560	3320	3890	3720	3890	3610
2 Stage FFL	2175	1355	3075	3890	4325	6	10	4000	3670	3450	4000	3670	3400	4000	3750	4000	3690
	2475	1655	3675	4490	4925	6	10	4000	3670	3440	4000	3650	3380	4000	3730	3990	3670
3 Stage FFL	2175	1355	4415	5225	5665	6	6	4000	3670	3430	3970	3630	3350	4000	3720	3950	3640
	2375	1555	4950	5765	6200	6	6	3880	3560	3310	3840	3510	3230	3880	3600	3820	3520
	2475	1655	5250	6065	6500	6	6	3800	3490	3240	3760	3440	3170	3810	3530	3740	3450
	2575	1755	5550	6365	6800	6	6	3730	3420	3170	3670	3360	3090	3740	3450	3660	3370
	2775	1955	6000	6815	7250	6	6	3600	3290	3050	3530	3230	2980	3620	3330	3530	3250

(1) Without load backrest. (2) With load backrest. Specification data based on standard carriage, load backrest, and 1000mm (GDP/GLP 40VX) / 1200mm (GDP/GLP 40VXS - GDP/GLP 55VX) forks.

GDP/GLP 45SVX5, GDP/GLP 45VX6 Mast details and capacity ratings (kg) - superelastic tyres

Model								GLP/GDP 45S VX5						GLP/GDP 45 VX6			
Tyre size, front								250 x 15						250 x 15			
Overall width, front								1402mm						1402mm			
Mast	h1 (mm)	h2+s (mm)[1]	h3+s (mm)	h4 (mm)[1]	h4 (mm)[2]	Tilt		Forks Load Centre (kg)			Integral Sideshift Load Centre (kg)			Forks Load Centre (kg)		Integral Sideshift Load Centre (kg)	
						F	B	500	600	700	500	600	700	600	700	600	700
2 Stage LFL	2215	160	2800	3730	4065	6	10	4500	4000	3890	4440	4000	3770	4500	4340	4500	4210
	2515	160	3400	4330	4665	6	10	4500	4000	3870	4420	4000	3750	4500	4330	4500	4200
	2815	160	4000	4930	5265	6	10	4500	4000	3860	4410	4000	3740	4500	4310	4500	4180
	3265	160	4700	5630	5965	6	6	4380	3900	3730	4260	3900	3620	4390	4180	4390	4060
	3665	160	5300	6230	6565	6	6	4230	3760	3580	4090	3750	3470	4250	4030	4230	3910
	4065	160	5900	6830	7165	6	6	4040	3620	3420	3900	3580	3310	4100	3860	4050	3740
2 Stage FFL	2215	1230	2825	3810	4090	6	10	4500	4000	3860	4410	4000	3740	4500	4310	4500	4180
	2515	1530	3425	4410	4690	6	10	4500	4000	3840	4390	4000	3720	4500	4290	4500	4170
3 Stage FFL	2215	1230	4145	5130	5415	6	6	4500	4000	3820	4370	4000	3700	4500	4270	4490	4150
	2515	1530	5000	5985	6265	6	6	4300	3820	3630	4150	3810	3520	4310	4080	4290	3960
	2615	1630	5300	6285	6565	6	6	4210	3750	3560	4070	3730	3450	4240	4000	4210	3890

(1) Without load backrest. (2) With load backrest. Specification data based on standard carriage, load backrest, and 1000mm (GDP/GLP 40VX) / 1200mm (GDP/GLP 40VXS - GDP/GLP 55VX) forks.

GDP/GLP 50VX, GDP/GLP 55VX Mast details and capacity ratings (kg) - superelastic tyres

Model								GLP/GDP 50 VX				GLP/GDP 55 VX			
Tyre size, front								300 x 15				300 x 15			
Overall width, front								1450mm				1450mm			
Mast	h1 (mm)	h2+s (mm)[1]	h3+s (mm)	h4 (mm)[1]	h4 (mm)[2]	Tilt		Forks Load Centre (kg)		Integral Sideshift Load Centre (kg)		Forks Load Centre (kg)		Integral Sideshift Load Centre (kg)	
						F	B	600	700	600	700	600	700	600	700
2 Stage LFL	2215	160	2800	3730	4065	6	10	5000	4810	5000	4670	5500	5280	5500	5130
	2515	160	3400	4330	4665	6	10	5000	4790	5000	4650	5500	5260	5500	5120
	2815	160	4000	4930	5265	6	10	5000	4780	5000	4640	5500	5250	5500	5100
	3265	160	4700	5630	5965	6	6	4890	4640	4880	4510	5380	5110	5370	4970
	3665	160	5300	6230	6565	6	6	4740	4480	4700	4350	5230	4940	5190	4800
	4065	160	5900	6830	7165	6	6	4570	4300	4520	4170	5050	4750	5000	4620
2 Stage FFL	2215	1230	2825	3810	4090	6	10	5000	4770	5000	4640	5500	5250	5500	5100
	2515	1530	3425	4410	4690	6	10	5000	4760	5000	4620	5500	5230	5500	5080
3 Stage FFL	2215	1230	4145	5130	5415	6	6	5000	4740	4990	4610	5500	5210	5490	5070
	2515	1530	5000	5985	6265	6	6	4800	4530	4770	4410	5290	5000	5260	4860
	2615	1630	5300	6285	6565	6	6	4730	4450	4690	4330	5210	4920	5170	4780

(1) Without load backrest. (2) With load backrest. Specification data based on standard carriage, load backrest, and 1000mm (GDP/GLP 40VX) / 1200mm (GDP/GLP 40VXS - GDP/GLP 55VX) forks.

GDP/GLP 40VX5, GDP/GLP 40VX6 Mast details and capacity ratings (kg) - radial tyres

Model								GLP/GDP 40 VX5						GLP/GDP 40 VX6			
Tyre size, front								250/70 - R15						250/70 - R15			
Overall width, front								1402mm						1402mm			
Mast	h1 (mm)	h2+s (mm)(1)	h3+s (mm)	h4 (mm)(1)	h4 (mm)(2)	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	600	700	600	700
2 Stage LFL	2175	150	3050	3815	4300	6	10	4000	3670	3580	4000	3670	3470	4000	3890	4000	3770
	2475	150	3650	4415	4900	6	10	4000	3670	3570	4000	3670	3460	4000	3870	4000	3750
	2775	150	4250	5015	5500	6	10	4000	3670	3550	4000	3670	3440	4000	3860	4000	3740
	3225	150	4950	5715	6200	6	6	3880	3560	3420	3880	3560	3320	3890	3720	3890	3610
2 Stage FFL	2175	1355	3075	3890	4325	6	10	4000	3670	3450	4000	3670	3400	4000	3750	4000	3690
	2475	1655	3675	4490	4925	6	10	4000	3670	3440	4000	3670	3380	4000	3750	3990	3670
3 Stage FFL	2175	1355	4415	5225	5665	6	6	4000	3670	3430	3970	3630	3350	4000	3720	3950	3640
	2375	1555	4950	5765	6200	6	6	3870*	3550*	3310*	3830*	3510*	3230*	3880*	3600*	3820*	3520*
	2475	1655	5250	6065	6500	6	6	3800*	3490*	3230*	3750*	3430*	3160*	3810*	3520*	3740*	3440*
	2575	1755	5550	6365	6800	6	6	3730**	3420**	3170**	3670**	3360**	3090**	3740**	3450**	3660**	3370**
	2775	1955	6000	6815	7250	6	6	3600**	3310**	3050**	3530**	3230**	2980**	3620**	3330**	3530**	3250**

(1) Without load backrest. (2) With load backrest. * Wide tread or dual drive wheels required. ** Dual drive wheels required.

GDP/GLP 45SVX5, GDP/GLP 45VX6 Mast details and capacity ratings (kg) - radial tyres

Model								GLP/GDP 45S VX5						GLP/GDP 45 VX6			
Tyre size, front								250/70 - R15						315/70 - R15			
Overall width, front								1402mm						1450mm			
Mast	h1 (mm)	h2+s (mm)(1)	h3+s (mm)	h4 (mm)(1)	h4 (mm)(2)	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	600	700	600	700
2 Stage LFL	2215	160	2800	3730	4065	6	10	4500	4000	3890	4440	4000	3770	4500	4340	4500	4210
	2515	160	3400	4330	4665	6	10	4500	4000	3870	4420	4000	3750	4500	4330	4500	4200
	2815	160	4000	4930	5265	6	10	4500	4000	3860	4410	4000	3740	4500	4310	4500	4180
	3265	160	4700	5630	5965	6	6	4380	3890	3730	4260	3890	3610	4390	4180	4390	4060
	3665	160	5300	6230	6565	6	6	4230*	3760*	3570*	4080*	3750*	3460*	4240*	4020*	4220*	3900*
	4065	160	5900	6830	7165	6	6	4040**	3610**	3410**	3900**	3580**	3310**	4080*	3840*	4030*	3730*
2 Stage FFL	2215	1230	2825	3810	4090	6	10	4500	4000	3860	4410	4000	3740	4500	4310	4500	4180
	2515	1530	3425	4410	4690	6	10	4500	4000	3840	4390	4000	3720	4500	4290	4500	4170
3 Stage FFL	2215	1230	4145	5130	5415	6	6	4500	4000	3820	4370	4000	3700	4500	4270	4490	4150
	2515	1530	5000	5985	6265	6	6	4250*	3820*	3630*	4150**	3810**	3520**	4310*	4070*	4280*	3950*
	2615	1630	5300	6285	6565	6	6	4210**	3750**	3560**	4070**	3730**	3450**	4230**	4200*	4210	3880*

(1) Without load backrest. (2) With load backrest. * Wide tread or dual drive wheels required. ** Dual drive wheels required.

GDP/GLP 50VX, GDP/GLP 55VX Mast details and capacity ratings (kg) - radial tyres

Model								GLP/GDP 50 VX				GLP/GDP 55 VX			
Tyre size, front								315/70 - R15				315/70 - R15			
Overall width, front								1450mm				1450mm			
Mast	h1 (mm)	h2+s (mm)(1)	h3+s (mm)	h4 (mm)(1)	h4 (mm)(2)	Tilt		Forks		Integral Sideshift		Forks		Integral Sideshift	
								Load Centre (kg)		Load Centre (kg)		Load Centre (kg)		Load Centre (kg)	
						F	B	600	700	600	700	600	700	600	700
2 Stage LFL	2215	160	2800	3730	4065	6	10	5000	4810	5000	4670	5500	5280	5500	5130
	2515	160	3400	4330	4665	6	10	5000	4790	5000	4650	5500	5260	5500	5120
	2815	160	4000	4930	5265	6	10	5000	4780	5000	4640	5500	5250	5500	5100
	3265	160	4700	5630	5965	6	6	4880	4640	4870	4500	5380*	5110*	5370*	4960*
	3665	160	5300	6230	6565	6	6	4730*	4470*	4700*	4340*	5220*	4930*	5180*	4790*
	4065	160	5900	6830	7165	6	6	4570**	4300**	4510**	4170**	5050**	4750**	4990**	4610**
2 Stage FFL	2215	1230	2825	3810	4090	6	10	5000	4770	5000	4640	5500	5250	5500	5100
	2515	1530	3425	4410	4690	6	10	5000	4760	5000	4620	5500	5230	5500	5080
3 Stage FFL	2215	1230	4145	5130	5415	6	6	5000	4740	4990	4610	5500	5210	5490	5070
	2515	1530	5000	5985	6265	6	6	4800*	4530*	4760*	4400*	5290*	4990*	5260*	4860*
	2615	1630	5300	6285	6565	6	6	4730**	4450**	4680**	4330**	5210**	4910**	5170**	4780**

(1) Without load backrest. (2) With load backrest. * Wide tread or dual drive wheels required. ** Dual drive wheels required.

Note: To calculate truck capacities with alternative truck specifications to the ones shown in the above tables, please use the YCPG software.
Specification data based on standard carriage, load backrest, and 1000mm (GDP/GLP 40VX) / 1200mm (GDP/GLP 40VXS - GDP/GLP 55VX) forks.

VDI 2198 - General Specifications, Diesel powered GDP 40 VX5, GDP 40 VX6, GDP 45S VX5

Distinguishing mark	1.1	Manufacturer (abbreviation)		Yale		
	1.2	Manufacturer's type designition		**GDP 40 VX5**		
		Model		Value	Value	Productivity
		Engine		Kubota 3.8L	Kubota 3.8L	Kubota 3.8L
		Transmission		Techtronix 100 1-speed	Techtronix 100X 2-speed	Techtronix 200X 2-speed
		Brake type		Standard or Premium Wet Brakes	Standard or Premium Wet Brakes	Premium Wet Brakes
	1.3	Drive: electric (battery or mains), diesel, petrol, LPG		diesel	diesel	diesel
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		seated	seated	seated
	1.5	Rated capacity/rated load	Q (t)	4.0	4.0	4.0
	1.6	Load centre distance	c (mm)	500	500	500
	1.8	Load distance, centre of drive axle to fork	x (mm)	523	523	523
	1.9	Wheelbase	y (mm)	1830	1830	1830
Weights	2.1	Service weight	kg	6099	6099	6099
	2.2	Axle loading, laden front/rear	kg	8801 / 1297	8801 / 1297	8801 / 1297
	2.3	Axle loading, unladen front/rear	kg	2565 / 3534	2565 / 3534	2565 / 3534
Tyres/chassis	3.1	Tyres: P = pneumatic, V = cushion, SE = superelastic		SE	SE	SE
	3.2	Tyre size, front		250x15	250x15	250x15
	3.3	Tyre size, rear		7.00x12	7.00x12	7.00x12
	3.5	Wheels, number front/rear (x = driven wheels)		2x / 2	2x / 2	2x / 2
	3.6	Tread, front	b_{10} (mm)	1152	1152	1152
	3.7	Tread, rear	b_{11} (mm)	1136	1136	1136
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α / β (º)	6 / 10	6 / 10	6 / 10
	4.2	Height, mast lowered	h_1 (mm)	2175	2175	2175
	4.3	Free lift ▲	h_2 (mm)	100	100	100
	4.4	Lift ▲	h_3 (mm)	3000	3000	3000
	4.5	Height, mast extended ◗	h_4 (mm)	3815	3815	3815
	4.7	Height of overhead guard (cabin)	h_6 (mm)	2258	2258	2258
	4.8	Seat height/stand height ✘	h_7 (mm)	1279	1279	1279
	4.12	Coupling height	h_{10} (mm)	429	429	429
	4.19	Overall length	l_1 (mm)	3946	3946	3946
	4.20	Length to face of forks	l_2 (mm)	2946	2946	2946
	4.21	Overall width	b_1/b_2 (mm)	1402 / 1485 / 1773	1402 / 1485 / 1773	1402 / 1485 / 1773
	4.22	Fork dimensions ISO 2331	s/e/l (mm)	50 / 120 / 1000	50 / 120 / 1000	50 / 120 / 1000
	4.23	Fork carriage ISO 2328, class/type A, B		IIIA	IIIA	IIIA
	4.24	Fork carriage width ✔	b_3 (mm)	1219	1219	1219
	4.31	Ground clearance, laden, below mast	m_1 (mm)	151	151	151
	4.32	Ground clearance, centre of wheelbase	m_2 (mm)	194	194	194
	4.33	Load dimension b 12 × l 6 crossways	b_{12} x l_6 (mm)	1200 x 1000	1200 x 1000	1200 x 1000
	4.34	Aisle width predetermined load dimensions ❐	Ast (mm)	4293	4293	4293
	4.34.1	Aisle width for pallets 1000 × 1200 crossways ❐	Ast (mm)	4493	4493	4493
	4.34.2	Aisle width for pallets 800 × 1200 crossways ❐	Ast (mm)	4493	4493	4493
	4.35	Turning radius	Wa (mm)	2570	2570	2570
	4.36	Internal turning radius	b_{13} (mm)	751	751	751
	4.41	90° intersecting aisle (with pallet L = 1000mm x W = 1200mm)	(mm)	2298	2298	2298
	4.42	Step height (from ground to running board)	(mm)	441	441	441
	4.43	Step height (between intermediate steps and floor)	(mm)	360	360	360
Performance data	5.1	Travel speed, laden/unladen	km/h	19.8 / 20.3	22.7 / 23.2	21.2 / 21.6
	5.1.1	Travel speed, laden/unladen, backwards	km/h	19.8 / 20.3	17.4 / 17.9	16.3 / 16.6
	5.2	Lift speed, laden/unladen	m/s	0.62 / 0.63	0.62 / 0.63	0.62 / 0.63
	5.3	Lowering speed, laden/unladen	m/s	0.55 / 0.47	0.55 / 0.47	0.55 / 0.47
	5.5	Drawbar pull, laden/unladen ✂	N	23900 / 17500	31700 / 17500	25800 / 17500
	5.7	Gradeability, laden/unladen ❍	%	19.4 / 29.6	23.7 / 29.6	24.4 / 29.6
	5.9	Acceleration time, laden/unladen ■	%	5.1 / 4.4	5.3 / 4.6	5.6 / 4.9
	7.5	Fuel consumption according to VDI cycle		4.48	4.51	TBA
Addition data	10.1	Operating pressure for attachments	bar	155	155	155
	10.2	Oil volume for attachments ↕	l/min	83.3	83.3	83.3
	10.3	Hydraulic oil tank, capacity	litres	51.0	51.0	51.0
	10.4	Fuel tank, capacity	litres	79.0	79.0	79.0
	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 2001/14/EC	dB (A)	103	103	103
	10.8	Towing coupling, type DIN		Pin	Pin	Pin

- ▲ Top of forks.
- ◗ Add 32mm with load backrest.
- ✘ Full suspension seat in depressed position.
- ✔ Without loadbackrest, add 32mm with load backrest.
- ❐ Stacking aisle width (lines 4.34, 4.34.1 and 4.34.2) are based on the VDI standard calculation as shown on the illustration. The British Industrial Truck Association recommends the addition of 100mm to the total clearance (dimension a) for extra operating margin at the rear of the truck.
- ✂ at 1.6 km/h.
- ❍ at 4.8km/h. 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.
- ■ to 15m (per VDI 2198 December 2012)
- ↕ Variable.
- ❊ With and without cab.
- ✚ Noise levels are reduced by up to 3dB(A) with ECO-eLo mode engaged.

Yale			Yale			1.1	Distinguishing mark
GDP 40 VX6			GDP 45S VX5			1.2	
Value	Value	Productivity	Value	Value	Productivity		
Kubota 3.8L	Kubota 3.8L	Kubota 3.8L	Kubota 3.8L	Kubota 3.8L	Kubota 3.8L		
Techtronix 100 1-speed	Techtronix 100X 2-speed	Techtronix 200X 2-speed	Techtronix 100 1-speed	Techtronix 100X 2-speed	Techtronix 200X 2-speed		
Standard or Premium Wet Brakes	Standard or Premium Wet Brakes	Premium Wet Brakes	Standard or Premium Wet Brakes	Standard or Premium Wet Brakes	Premium Wet Brakes		
diesel	diesel	diesel	diesel	diesel	diesel	1.3	
seated	seated	seated	seated	seated	seated	1.4	
4.0	4.0	4.0	4.5	4.5	4.5	1.5	
600	600	600	500	500	500	1.6	
523	523	523	591	591	591	1.8	
1830	1830	1830	1830	1830	1830	1.9	
6354	6354	6354	6657	6657	6657	2.1	Weights
9049 / 1304	9049 / 1304	9049 / 1304	9967 / 1190	9967 / 1190	9967 / 1190	2.2	
2595 / 3759	2595 / 3759	2595 / 3759	2785 / 3872	2785 / 3872	2785 / 3872	2.3	
SE	SE	SE	SE	SE	SE	3.1	Tyres/chassis
250x15	250x15	250x15	250x15	250x15	250x15	3.2	
7.00x12	7.00x12	7.00x12	7.00x12	7.00x12	7.00x12	3.3	
2x / 2	2x / 2	2x / 2	2x / 2	2x / 2	2x / 2	3.5	
1152	1152	1152	1152	1152	1152	3.6	
1136	1136	1136	1136	1136	1136	3.7	
6 / 10	6 / 10	6 / 10	6 / 10	6 / 10	6 / 10	4.1	Dimensions
2175	2175	2175	2215	2215	2215	4.2	
100	100	100	100	100	100	4.3	
3000	3000	3000	2740	2740	2740	4.4	
3815	3815	3815	3730	3730	3730	4.5	
2258	2258	2258	2258	2258	2258	4.7	
1279	1279	1279	1279	1279	1279	4.8	
429	429	429	429	429	429	4.12	
4177	4177	4177	4266	4266	4266	4.19	
2977	2977	2977	3066	3066	3066	4.20	
1402 / 1485 / 1773	1402 / 1485 / 1773	1402 / 1485 / 1773	1402 / 1485 / 1773	1402 / 1485 / 1773	1402 / 1485 / 1773	4.21	
50 / 120 / 1200	50 / 120 / 1200	50 / 120 / 1200	60 / 150 / 1200	60 / 150 / 1200	60 / 150 / 1200	4.22	
IIIA	IIIA	IIIA	IVA	IVA	IVA	4.23	
1219	1219	1219	1219	1219	1219	4.24	
151	151	151	194	194	194	4.31	
194	194	194	194	194	194	4.32	
1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000	4.33	
4322	4322	4322	4410	4410	4410	4.34	
4522	4522	4522	4610	4610	4610	4.34.1	
4522	4522	4522	4610	4610	4610	4.34.2	
2599	2599	2599	2619	2619	2619	4.35	
751	751	751	751	751	751	4.36	
2314	2314	2314	2332	2332	2332	4.41	
441	441	441	441	441	441	4.42	
360	360	360	360	360	360	4.43	
19.8 / 20.3	22.7 / 23.2	21.2 / 21.6	19.8 / 20.3	22.7 / 23.2	21.2 / 21.6	5.1	Performance data
19.8 / 20.3	17.4 / 17.9	16.3 / 16.6	19.8 / 20.3	17.4 / 17.9	16.3 / 16.6	5.1.1	
0.62 / 0.63	0.62 / 0.63	0.62 / 0.63	0.45 / 0.46	0.45 / 0.46	0.45 / 0.46	5.2	
0.55 / 0.47	0.55 / 0.47	0.55 / 0.47	0.51 / 0.42	0.51 / 0.42	0.51 / 0.42	5.3	
23800 / 18000	31600 / 18000	25800 / 18000	23800 / 17000	31600 / 17000	25800 / 17000	5.5	
18.2 / 28.7	22.2 / 28.7	22.9 / 28.7	17.7 / 27.1	21.7 / 27.1	22.4 / 27.1	5.7	
5.1 / 4.5	5.3 / 4.6	5.6 / 4.9	5.3 / 4.5	5.4 / 4.7	5.6 / 4.9	5.9	
4.58	4.65	TBA	4.92	5.10	TBA	7.5	
155	155	155	155	155	155	10.1	Addition data
83.3	83.3	83.3	83.3	83.3	83.3	10.2	
51.0	51.0	51.0	51.0	51.0	51.0	10.3	
79.0	79.0	79.0	79.0	79.0	79.0	10.4	
79	79	79	79	79	79	10.7	
99	99	99	99	99	99	10.7.1	
103	103	103	103	103	103	10.7.2	
Pin	Pin	Pin	Pin	Pin	Pin	10.8	

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

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

Value and Productivity models:
Specification data based on 3050mm (GDP40 VX5 - GDP40 VX6) / 2800mm (GDP45S VX5 - GDP55 VX6) TOF 2 stage LFL mast with standard carriage, 1000mm (GDP40 VX5) / 1200mm (GDP40 VX6 - GDP55 VX6) forks with e-hydraulics, overhead guard and standard pneumatic shaped solid drive and steer tyres.

VDI 2198 - General Specifications, Diesel powered GDP 50 VX, GDP 55 VX

Distinguishing mark	1.1	Manufacturer (abbreviation)	Q (kg)	Yale		
	1.2	Manufacturer's type designition	c (mm)	**GDP 45 VX6**		
		Model	x (mm)	Value	Value	Productivity
		Engine	y (mm)	Kubota 3.8L	Kubota 3.8L	Kubota 3.8L
		Transmission	kg	Techtronix 100 1-speed	Techtronix 100X 2-speed	Techtronix 200X 2-speed
		Brake type	kg	Premium Wet Brakes	Premium Wet Brakes	Premium Wet Brakes
	1.3	Drive: electric (battery or mains), diesel, petrol, LPG	kg	diesel	diesel	diesel
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		seated	seated	seated
	1.5	Rated capacity/rated load		4.5	4.5	4.5
	1.6	Load centre distance		600	600	600
	1.8	Load distance, centre of drive axle to fork		591	591	591
	1.9	Wheelbase	b10 (mm)	2100	2100	2100
Weights	2.1	Service weight	b11 (mm)	7073	7073	7073
	2.2	Axle loading, laden front/rear	α / β (o)	10181 / 1392	10181 / 1392	10181 / 1392
	2.3	Axle loading, unladen front/rear	h1 (mm)	3129 / 3944	3129 / 3944	3129 / 3944
Tyres/chassis	3.1	Tyres: P = pneumatic, V = cushion, SE = superelastic	h2 (mm)	SE	SE	SE
	3.2	Tyre size, front	h3 (mm)	300x15	300x15	300x15
	3.3	Tyre size, rear	h4 (mm)	28x9-15	28x9-15	28x9-15
	3.5	Wheels, number front/rear (x = driven wheels)	h6 (mm)	2x / 2	2x / 2	2x / 2
	3.6	Tread, front	h7 (mm)	1150	1150	1150
	3.7	Tread, rear	h10 (mm)	1162	1162	1162
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	l1 (mm)	6 / 10	6 / 10	6 / 10
	4.2	Height, mast lowered	l2 (mm)	2215	2215	2215
	4.3	Free lift ▲	b1/b2 (mm)	100	100	100
	4.4	Lift ▲	s/e/l (mm)	2740	2740	2740
	4.5	Height, mast extended ◗		3730	3730	3730
	4.7	Height of overhead guard (cabin)	b3 (mm)	2300	2300	2300
	4.8	Seat height/stand height ✘	m1 (mm)	1321	1321	1321
	4.12	Coupling height	m2 (mm)	429	429	429
	4.19	Overall length	b12 x l6 (mm)	4457	4457	4457
	4.20	Length to face of forks	Ast (mm)	3257	3257	3257
	4.21	Overall width	Ast (mm)	1450 / 1575 / 1875	1450 / 1575 / 1875	1450 / 1575 / 1875
	4.22	Fork dimensions ISO 2331	Ast (mm)	60 / 150 / 1200	60 / 150 / 1200	60 / 150 / 1200
	4.23	Fork carriage ISO 2328, class/type A, B	Wa (mm)	IVA	IVA	IVA
	4.24	Fork carriage width ✔	b13 (mm)	1219	1219	1219
	4.31	Ground clearance, laden, below mast	(mm)	194	194	194
	4.32	Ground clearance, centre of wheelbase	(mm)	237	237	237
	4.33	Load dimension b 12 × l 6 crossways	(mm)	1200 x 1000	1200 x 1000	1200 x 1000
	4.34	Aisle width predetermined load dimensions ❐	km/h	4628	4628	4628
	4.34.1	Aisle width for pallets 1000 × 1200 crossways ❐	km/h	4828	4828	4828
	4.34.2	Aisle width for pallets 800 × 1200 crossways ❐	m/s	4828	4828	4828
	4.35	Turning radius	m/s	2837	2837	2837
	4.36	Internal turning radius	N	800	800	800
	4.41	90° intersecting aisle (with pallet L = 1000mm x W = 1200mm)	%	2447	2447	2447
	4.42	Step height (from ground to running board)	%	484	484	484
	4.43	Step height (between intermediate steps and floor)		360	360	360
Performance data	5.1	Travel speed, laden/unladen	bar	18.1 / 18.4	23.7 / 24.1	21.2 / 21.7
	5.1.1	Travel speed, laden/unladen, backwards	l/min	18.1 / 18.4	18.2 / 18.5	16.3 / 16.6
	5.2	Lift speed, laden/unladen	litres	0.45 / 0.46	0.45 / 0.46	0.45 / 0.46
	5.3	Lowering speed, laden/unladen	litres	0.51 / 0.42	0.51 / 0.42	0.51 / 0.42
	5.5	Drawbar pull, laden/unladen ✂	dB (A)	25700 / 21300	30300 / 21300	25800 / 21300
	5.7	Gradeability, laden/unladen ❍	dB (A)	17.1 / 31.5	19.2 / 31.5	20.1 / 31.5
	5.9	Acceleration time, laden/unladen ■	dB (A)	5.3 / 4.6	5.5 / 4.8	5.8 / 5.1
	7.5	Fuel consumption according to VDI cycle		5.10	5.33	TBA
Addition data	10.1	Operating pressure for attachments		155	155	155
	10.2	Oil volume for attachments ↕		83.3	83.3	83.3
	10.3	Hydraulic oil tank, capacity		67.8	67.8	67.8
	10.4	Fuel tank, capacity		100.3	100.3	100.3
	10.7	Sound pressure level at the driver's seat ❊, ✚, ★		79	79	79
	10.7.1	Sound power level during the workcycle ✚, ☆		99	99	99
	10.7.2	Guaranteed sound power 2001/14/EC		103	103	103
	10.8	Towing coupling, type DIN		Pin	Pin	Pin

▲ Top of forks.
◗ Add 32mm with load backrest.
✘ Full suspension seat in depressed position.
✔ Without loadbackrest, add 32mm with load backrest.
❐ Stacking aisle width (lines 4.34, 4.34.1 and 4.34.2) are based on the VDI standard calculation as shown on the illustration. The British Industrial Truck Association recommends the addition of 100mm to the total clearance (dimension a) for extra operating margin at the rear of the truck.
✂ at 1.6 km/h.
❍ at 4.8km/h. 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.
■ to 15m (per VDI 2198 December 2012)
↕ Variable.
❊ With and without cab.
✚ Noise levels are reduced by up to 3dB(A) with ECO-eLo mode engaged.

Yale			Yale			1.1	Distinguishing mark
GDP 50 VX			**GDP 55 VX**			1.2	
Value	Value	Productivity	Value	Value	Productivity		
Kubota 3.8L	Kubota 3.8L	Kubota 3.8L	Kubota 3.8L	Kubota 3.8L	Kubota 3.8L		
Techtronix 100 1-speed	Techtronix 100X 2-speed	Techtronix 200X 2-speed	Techtronix 100 1-speed	Techtronix 100X 2-speed	Techtronix 200X 2-speed		
Premium Wet Brakes	Premium Wet Brakes	Premium Wet Brakes	Premium Wet Brakes	Premium Wet Brakes	Premium Wet Brakes		
diesel	diesel	diesel	diesel	diesel	diesel	1.3	
seated	seated	seated	seated	seated	seated	1.4	
5.0	5.0	5.0	5.5	5.5	5.5	1.5	
600	600	600	600	600	600	1.6	
591	591	591	591	591	591	1.8	
2100	2100	2100	2100	2100	2100	1.9	
7372	7372	7372	7657	7657	7657	2.1	Weights
10897 / 1475	10897 / 1475	10897 / 1475	11609 / 1548	11609 / 1548	11609 / 1548	2.2	
3061 / 4311	3061 / 4311	3061 / 4311	2990 / 4667	2990 / 4667	2990 / 4667	2.3	
SE	SE	SE	SE	SE	SE	3.1	Tyres/chassis
300x15	300x15	300x15	300x15	300x15	300x15	3.2	
28x9-15	28x9-15	28x9-15	28x9-15	28x9-15	28x9-15	3.3	
2x / 2	2x / 2	2x / 2	2x / 2	2x / 2	2x / 2	3.5	
1150	1150	1150	1150	1150	1150	3.6	
1162	1162	1162	1162	1162	1162	3.7	
6 / 10	6 / 10	6 / 10	6 / 10	6 / 10	6 / 10	4.1	Dimensions
2215	2215	2215	2215	2215	2215	4.2	
100	100	100	100	100	100	4.3	
2740	2740	2740	2740	2740	2740	4.4	
3730	3730	3730	3730	3730	3730	4.5	
2300	2300	2300	2300	2300	2300	4.7	
1321	1321	1321	1321	1321	1321	4.8	
429	429	429	429	429	429	4.12	
4500	4500	4500	4541	4541	4541	4.19	
3300	3300	3300	3341	3341	3341	4.20	
1450 / 1575 / 1875	1450 / 1575 / 1875	1450 / 1575 / 1875	1450 / 1575 / 1875	1450 / 1575 / 1875	1450 / 1575 / 1875	4.21	
60 / 150 / 1200	60 / 150 / 1200	60 / 150 / 1200	60 / 150 / 1200	60 / 150 / 1200	60 / 150 / 1200	4.22	
IVA	IVA	IVA	IVA	IVA	IVA	4.23	
1219	1219	1219	1219	1219	1219	4.24	
194	194	194	194	194	194	4.31	
237	237	237	237	237	237	4.32	
1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000	4.33	
4668	4668	4668	4706	4706	4706	4.34	
4868	4868	4868	4906	4906	4906	4.34.1	
4868	4868	4868	4906	4906	4906	4.34.2	
2877	2877	2877	2915	2915	2915	4.35	
800	800	800	800	800	800	4.36	
2469	2469	2469	2490	2490	2490	4.41	
484	484	484	484	484	484	4.42	
360	360	360	360	360	360	4.43	
18.1 / 18.4	23.7 / 24.1	21.2 / 21.7	18.1 / 18.4	23.7 / 24.1	21.2 / 21.7	5.1	Performance data
18.1 / 18.4	18.2 / 18.5	16.3 / 16.6	18.1 / 18.4	18.2 / 18.5	16.3 / 16.6	5.1.1	
0.45 / 0.46	0.45 / 0.46	0.45 / 0.46	0.45 / 0.46	0.45 / 0.46	0.45 / 0.46	5.2	
0.51 / 0.42	0.51 / 0.42	0.51 / 0.42	0.51 / 0.42	0.51 / 0.42	0.51 / 0.42	5.3	
25600 / 20900	30200 / 20900	25800 / 20900	25500 / 20600	30100 / 20600	25800 / 20600	5.5	
15.9 / 29.6	17.8 / 29.6	18.7 / 29.6	14.9 / 27.9	16.7 / 27.9	17.5 / 27.9	5.7	
5.5 / 4.6	5.6 / 4.8	6.0 / 5.2	5.6 / 4.7	5.8 / 4.9	6.1 / 5.2	5.9	
5.43	5.77	TBA	5.76	6.20	TBA	7.5	
155	155	155	155	155	155	10.1	Addition data
83.3	83.3	83.3	83.3	83.3	83.3	10.2	
67.8	67.8	67.8	67.8	67.8	67.8	10.3	
100.3	100.3	100.3	100.3	100.3	100.3	10.4	
79	79	79	79	79	79	10.7	
99	99	99	99	99	99	10.7.1	
103	103	103	103	103	103	10.7.2	
Pin	Pin	Pin	Pin	Pin	Pin	10.8	

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

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

Value and Productivity models:
Specification data based on 3050mm (GDP40 VX5 - GDP40 VX6) / 2800mm (GDP45S VX5 - GDP55 VX6) TOF 2 stage LFL mast with standard carriage, 1000mm (GDP40 VX5) / 1200mm (GDP40 VX6 - GDP55 VX6) forks with e-hydraulics, overhead guard and standard pneumatic shaped solid drive and steer tyres.

VDI 2198 - General Specifications, Diesel powered GDP 40 VX5, GDP 40 VX6, GDP 45S VX5

Distinguishing mark	1.1	Manufacturer (abbreviation)		Yale		
	1.2	Manufacturer's type designition		**GLP 40 VX5**		
		Model		Value	Value	Productivity
		Engine		GM 4.3L	Kubota 3.8L	GM 4.3L
		Transmission		Techtronix 100 1-speed	Techtronix 100X 2-speed	Techtronix 200X 2-speed
		Brake type		Standard or Premium Wet Brakes	Standard or Premium Wet Brakes	Premium Wet Brakes
	1.3	Drive: electric (battery or mains), diesel, petrol, LPG		LPG	LPG	LPG
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		seated	seated	seated
	1.5	Rated capacity/rated load	Q (t)	4.0	4.0	4.0
	1.6	Load centre distance	c (mm)	500	500	500
	1.8	Load distance, centre of drive axle to fork	x (mm)	523	523	523
	1.9	Wheelbase	y (mm)	1830	1830	1830
Weights	2.1	Service weight	kg	6048	6048	6048
	2.2	Axle loading, laden front/rear	kg	8770 / 1277	8770 / 1277	8770 / 1277
	2.3	Axle loading, unladen front/rear	kg	2534 / 3514	2534 / 3514	2534 / 3514
Tyres/chassis	3.1	Tyres: P = pneumatic, V = cushion, SE = superelastic		SE	SE	SE
	3.2	Tyre size, front		250x15	250x15	250x15
	3.3	Tyre size, rear		7.00x12	7.00x12	7.00x12
	3.5	Wheels, number front/rear (x = driven wheels)		2x / 2	2x / 2	2x / 2
	3.6	Tread, front	b_{10} (mm)	1152	1152	1152
	3.7	Tread, rear	b_{11} (mm)	1136	1136	1136
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α / β (º)	6 / 10	6 / 10	6 / 10
	4.2	Height, mast lowered	h_1 (mm)	2175	2175	2175
	4.3	Free lift ▲	h_2 (mm)	100	100	100
	4.4	Lift ▲	h_3 (mm)	3000	3000	3000
	4.5	Height, mast extended ◗	h_4 (mm)	3815	3815	3815
	4.7	Height of overhead guard (cabin)	h_6 (mm)	2258	2258	2258
	4.8	Seat height/stand height ✘	h_7 (mm)	1279	1279	1279
	4.12	Coupling height	h_{10} (mm)	429	429	429
	4.19	Overall length	l_1 (mm)	3946	3946	3946
	4.20	Length to face of forks	l_2 (mm)	2946	2946	2946
	4.21	Overall width	b_1/b_2 (mm)	1402 / 1485 / 1773	1402 / 1485 / 1773	1402 / 1485 / 1773
	4.22	Fork dimensions ISO 2331	s/e/l (mm)	50 / 120 / 1000	50 / 120 / 1000	50 / 120 / 1000
	4.23	Fork carriage ISO 2328, class/type A, B		IIIA	IIIA	IIIA
	4.24	Fork carriage width ✔	b_3 (mm)	1219	1219	1219
	4.31	Ground clearance, laden, below mast	m_1 (mm)	151	151	151
	4.32	Ground clearance, centre of wheelbase	m_2 (mm)	194	194	194
	4.33	Load dimension b 12 × l 6 crossways	b_{12} x l_6 (mm)	1200 x 1000	1200 x 1000	1200 x 1000
	4.34	Aisle width predetermined load dimensions ❒	Ast (mm)	4293	4293	4293
	4.34.1	Aisle width for pallets 1000 × 1200 crossways ❒	Ast (mm)	4493	4493	4493
	4.34.2	Aisle width for pallets 800 × 1200 crossways ❒	Ast (mm)	4493	4493	4493
	4.35	Turning radius	Wa (mm)	2570	2570	2570
	4.36	Internal turning radius	b_{13} (mm)	751	751	751
	4.41	90° intersecting aisle (with pallet L = 1000mm x W = 1200mm)	(mm)	2298	2298	2298
	4.42	Step height (from ground to running board)	(mm)	441	441	441
	4.43	Step height (between intermediate steps and floor)	(mm)	360	360	360
Performance data	5.1	Travel speed, laden/unladen	km/h	18.3 / 19.1	22.9 / 23.9	21.3 / 22.3
	5.1.1	Travel speed, laden/unladen, backwards	km/h	18.3 / 19.1	18.3 / 19.1	17.1 / 17.8
	5.2	Lift speed, laden/unladen	m/s	0.61 / 0.63	0.61 / 0.63	0.61 / 0.63
	5.3	Lowering speed, laden/unladen	m/s	0.55 / 0.47	0.55 / 0.47	0.55 / 0.47
	5.5	Drawbar pull, laden/unladen ✂	N	24200 / 17500	28600 / 17500	29800 / 17500
	5.7	Gradeability, laden/unladen ❍	%	20.9 / 29.6	23.4 / 29.6	26.4 / 29.6
	5.9	Acceleration time, laden/unladen ■	%	5.4 / 4.7	5.3 / 4.6	5.4 / 4.7
	7.5	Fuel consumption according to VDI cycle		4.96	5.21	TBA
Addition data	10.1	Operating pressure for attachments	bar	155	155	155
	10.2	Oil volume for attachments ↕	l/min	83.3	83.3	83.3
	10.3	Hydraulic oil tank, capacity	litres	51.0	51.0	51.0
	10.4	Fuel tank, capacity	litres	38.6	38.6	38.6
	10.7	Sound pressure level at the driver's seat ❊, ✚, ★	dB (A)	80	80	80
	10.7.1	Sound power level during the workcycle ✚, ☆	dB (A)	100	100	100
	10.7.2	Guaranteed sound power 2001/14/EC	dB (A)	105	105	105
	10.8	Towing coupling, type DIN		Pin	Pin	Pin

▲ Top of forks.
◗ Add 32mm with load backrest.
✘ Full suspension seat in depressed position.
✔ Without loadbackrest, add 32mm with load backrest.
❒ Stacking aisle width (lines 4.34, 4.34.1 and 4.34.2) are based on the VDI standard calculation as shown on the illustration. The British Industrial Truck Association recommends the addition of 100mm to the total clearance (dimension a) for extra operating margin at the rear of the truck.
✂ at 1.6 km/h.
❍ at 4.8km/h. 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.
■ to 15m (per VDI 2198 December 2012)
↕ Variable.
❊ With and without cab.
✚ Noise levels are reduced by up to 3dB(A) with ECO-eLo mode engaged.

Yale			Yale			1.1	Distinguishing mark
GLP 40 VX6			GLP 45S VX5			1.2	
Value	Value	Productivity	Value	Value	Productivity		
GM 4.3L	GM 4.3L	GM 4.3L	GM 4.3L	GM 4.3L	GM 4.3L		
Techtronix 100 1-speed	Techtronix 100X 2-speed	Techtronix 200X 2-speed	Techtronix 100 1-speed	Techtronix 100X 2-speed	Techtronix 200X 2-speed		
Standard or Premium Wet Brakes	Standard or Premium Wet Brakes	Premium Wet Brakes	Standard or Premium Wet Brakes	Standard or Premium Wet Brakes	Premium Wet Brakes		
LPG	LPG	LPG	LPG	LPG	LPG	1.3	
seated	seated	seated	seated	seated	seated	1.4	
4.0	4.0	4.0	4.5	4.5	4.5	1.5	
600	600	600	500	500	500	1.6	
523	523	523	591	591	591	1.8	
1830	1830	1830	1830	1830	1830	1.9	
6303	6303	6303	6606	6606	6606	2.1	Weights
9018 / 1284	9018 / 1284	9018 / 1284	9936 / 1170	9936 / 1170	9936 / 1170	2.2	
2564 / 3739	2564 / 3739	2564 / 3739	2754 / 3852	2754 / 3852	2754 / 3852	2.3	
SE	SE	SE	SE	SE	SE	3.1	Tyres/chassis
250x15	250x15	250x15	250x15	250x15	250x15	3.2	
7.00x12	7.00x12	7.00x12	7.00x12	7.00x12	7.00x12	3.3	
2x / 2	2x / 2	2x / 2	2x / 2	2x / 2	2x / 2	3.5	
1152	1152	1152	1152	1152	1152	3.6	
1136	1136	1136	1136	1136	1136	3.7	
6 / 10	6 / 10	6 / 10	6 / 10	6 / 10	6 / 10	4.1	Dimensions
2175	2175	2175	2215	2215	2215	4.2	
100	100	100	100	100	100	4.3	
3000	3000	3000	2740	2740	2740	4.4	
3815	3815	3815	3730	3730	3730	4.5	
2258	2258	2258	2258	2258	2258	4.7	
1279	1279	1279	1279	1279	1279	4.8	
429	429	429	429	429	429	4.12	
4177	4177	4177	4266	4266	4266	4.19	
2977	2977	2977	3066	3066	3066	4.20	
1402 / 1485 / 1773	1402 / 1485 / 1773	1402 / 1485 / 1773	1402 / 1485 / 1773	1402 / 1485 / 1773	1402 / 1485 / 1773	4.21	
50 / 120 / 1200	50 / 120 / 1200	50 / 120 / 1200	60 / 150 / 1200	60 / 150 / 1200	60 / 150 / 1200	4.22	
IIIA	IIIA	IIIA	IVA	IVA	IVA	4.23	
1219	1219	1219	1219	1219	1219	4.24	
151	151	151	194	194	194	4.31	
194	194	194	194	194	194	4.32	
1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000	4.33	
4322	4322	4322	4410	4410	4410	4.34	
4522	4522	4522	4610	4610	4610	4.34.1	
4522	4522	4522	4610	4610	4610	4.34.2	
2599	2599	2599	2619	2619	2619	4.35	
751	751	751	751	751	751	4.36	
2314	2314	2314	2332	2332	2332	4.41	
441	441	441	441	441	441	4.42	
360	360	360	360	360	360	4.43	
18.3 / 19.1	22.9 / 23.9	21.3 / 22.3	18.3 / 19.1	22.9 / 23.9	21.3 / 22.3	5.1	Performance data
18.3 / 19.1	18.3 / 19.1	17.1 / 17.8	18.3 / 19.1	18.3 / 19.1	17.1 / 17.8	5.1.1	
0.61 / 0.63	0.61 / 0.63	0.61 / 0.63	0.48 / 0.49	0.48 / 0.49	0.48 / 0.49	5.2	
0.55 / 0.47	0.55 / 0.47	0.55 / 0.47	0.51 / 0.42	0.51 / 0.42	0.51 / 0.42	5.3	
24100 / 18000	28600 / 18000	29800 / 18000	24000 / 17000	28500 / 17000	29800 / 17000	5.5	
19.5 / 28.7	21.8 / 28.7	25.0 / 28.7	19.0 / 27.1	21.8 / 27.1	24.4 / 27.1	5.7	
5.4 / 4.8	5.3 / 4.6	5.4 / 4.7	5.6 / 4.8	5.4 / 4.7	5.4 / 4.7	5.9	
5.02	5.29	TBA	5.25	5.55	TBA	7.5	
155	155	155	155	155	155	10.1	Addition data
83.3	83.3	83.3	83.3	83.3	83.3	10.2	
51.0	51.0	51.0	51.0	51.0	51.0	10.3	
38.6	38.6	38.6	38.6	38.6	38.6	10.4	
80	80	80	80	80	80	10.7	
100	100	100	100	100	100	10.7.1	
105	105	105	105	105	105	10.7.2	
Pin	Pin	Pin	Pin	Pin	Pin	10.8	

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

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

Value and Productivity models:
Specification data based on 3050mm (GLP40 VX5 - GLP40 VX6) / 2800mm (GDP45S VX5 - GDP55 VX6) TOF 2 stage LFL mast with standard carriage, 1000mm (GDP40 VX5) / 1200mm (GDP40 VX6 - GDP55 VX6) forks with e-hydraulics, overhead guard and standard pneumatic shaped solid drive and steer tyres.

VDI 2198 - General Specifications, LPG powered GLP 50 VX, GLP 55 VX

Distinguishing mark	1.1	Manufacturer (abbreviation)	Q (kg)	Yale		
	1.2	Manufacturer's type designition	c (mm)	**GLP 45 VX6**		
		Model	x (mm)	Value	Value	Productivity
		Engine	y (mm)	GM 4.3L	GM 4.3L	GM 4.3L
		Transmission	kg	Techtronix 100 1-speed	Techtronix 100X 2-speed	Techtronix 200X 2-speed
		Brake type	kg	Premium Wet Brakes	Premium Wet Brakes	Premium Wet Brakes
	1.3	Drive: electric (battery or mains), diesel, petrol, LPG	kg	LPG	LPG	LPG
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		seated	seated	seated
	1.5	Rated capacity/rated load		4.5	4.5	4.5
	1.6	Load centre distance		600	600	600
	1.8	Load distance, centre of drive axle to fork		591	591	591
	1.9	Wheelbase	b10 (mm)	2100	2100	2100
Weights	2.1	Service weight	b11 (mm)	7022	7022	7022
	2.2	Axle loading, laden front/rear	α / β (o)	10150 / 1372	10150 / 1372	10150 / 1372
	2.3	Axle loading, unladen front/rear	h1 (mm)	3098 / 3924	3098 / 3924	3098 / 3924
Tyres/chassis	3.1	Tyres: P = pneumatic, V = cushion, SE = superelastic	h2 (mm)	SE	SE	SE
	3.2	Tyre size, front	h3 (mm)	300x15	300x15	300x15
	3.3	Tyre size, rear	h4 (mm)	28x9-15	28x9-15	28x9-15
	3.5	Wheels, number front/rear (x = driven wheels)	h6 (mm)	2x / 2	2x / 2	2x / 2
	3.6	Tread, front	h7 (mm)	1150	1150	1150
	3.7	Tread, rear	h10 (mm)	1162	1162	1162
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	l1 (mm)	6 / 10	6 / 10	6 / 10
	4.2	Height, mast lowered	l2 (mm)	2215	2215	2215
	4.3	Free lift ▲	b1/b2 (mm)	100	100	100
	4.4	Lift ▲	s/e/l (mm)	2740	2740	2740
	4.5	Height, mast extended ◗		3730	3730	3730
	4.7	Height of overhead guard (cabin)	b3 (mm)	2300	2300	2300
	4.8	Seat height/stand height ✘	m1 (mm)	1321	1321	1321
	4.12	Coupling height	m2 (mm)	429	429	429
	4.19	Overall length	b12 x l6 (mm)	4457	4457	4457
	4.20	Length to face of forks	Ast (mm)	3257	3257	3257
	4.21	Overall width	Ast (mm)	1450 / 1575 / 1875	1450 / 1575 / 1875	1450 / 1575 / 1875
	4.22	Fork dimensions ISO 2331	Ast (mm)	60 / 150 / 1200	60 / 150 / 1200	60 / 150 / 1200
	4.23	Fork carriage ISO 2328, class/type A, B	Wa (mm)	IVA	IVA	IVA
	4.24	Fork carriage width ✔	b13 (mm)	1219	1219	1219
	4.31	Ground clearance, laden, below mast	(mm)	194	194	194
	4.32	Ground clearance, centre of wheelbase	(mm)	237	237	237
	4.33	Load dimension b 12 × l 6 crossways	(mm)	1200 x 1000	1200 x 1000	1200 x 1000
	4.34	Aisle width predetermined load dimensions ❐	km/h	4628	4628	4628
	4.34.1	Aisle width for pallets 1000 × 1200 crossways ❐	km/h	4828	4828	4828
	4.34.2	Aisle width for pallets 800 × 1200 crossways ❐	m/s	4828	4828	4828
	4.35	Turning radius	m/s	2837	2837	2837
	4.36	Internal turning radius	N	800	800	800
	4.41	90° intersecting aisle (with pallet L = 1000mm x W = 1200mm)	%	2447	2447	2447
	4.42	Step height (from ground to running board)	%	484	484	484
	4.43	Step height (between intermediate steps and floor)		360	360	360
Performance data	5.1	Travel speed, laden/unladen	bar	17.8 / 18.1	22.2 / 22.6	22.2 / 22.6
	5.1.1	Travel speed, laden/unladen, backwards	l/min	17.8 / 18.1	17.8 / 18.1	17.8 / 18.1
	5.2	Lift speed, laden/unladen	litres	0.48 / 0.49	0.48 / 0.49	0.48 / 0.49
	5.3	Lowering speed, laden/unladen	litres	0.51 / 0.42	0.51 / 0.42	0.51 / 0.42
	5.5	Drawbar pull, laden/unladen ✂	dB (A)	24500 / 21300	29100 / 21300	25800 / 21300
	5.7	Gradeability, laden/unladen ❍	dB (A)	17.5 / 31.5	19.6 / 31.5	21.7 / 31.5
	5.9	Acceleration time, laden/unladen ■	dB (A)	5.5 / 4.8	5.8 / 5.1	6.1 / 5.4
	7.5	Fuel consumption according to VDI cycle		5.33	5.67	TBA
Addition data	10.1	Operating pressure for attachments		155	155	155
	10.2	Oil volume for attachments ↕		83.3	83.3	83.3
	10.3	Hydraulic oil tank, capacity		67.8	67.8	67.8
	10.4	Fuel tank, capacity		38.6	38.6	38.6
	10.7	Sound pressure level at the driver's seat ❄, ✚, ★		80	80	80
	10.7.1	Sound power level during the workcycle ✚, ☆		100	100	100
	10.7.2	Guaranteed sound power 2001/14/EC		105	105	105
	10.8	Towing coupling, type DIN		Pin	Pin	Pin

▲ Top of forks.
◗ Add 32mm with load backrest.
✘ Full suspension seat in depressed position.
✔ Without loadbackrest, add 32mm with load backrest.
❐ Stacking aisle width (lines 4.34, 4.34.1 and 4.34.2) are based on the VDI standard calculation as shown on the illustration. The British Industrial Truck Association recommends the addition of 100mm to the total clearance (dimension a) for extra operating margin at the rear of the truck.
✂ at 1.6 km/h.
❍ at 4.8km/h. 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.
■ to 15m (per VDI 2198 December 2012)
↕ Variable.
❄ With and without cab.
✚ Noise levels are reduced by up to 3dB(A) with ECO-eLo mode engaged.

Yale			Yale			1.1	Distinguishing mark
GLP 50 VX			**GLP 55 VX**			1.2	
Value	Value	Productivity	Value	Value	Productivity		
GM 4.3L LPG	GM 4.3L LPG	GM 4.3L LPG	GM 4.3L LPG	GM 4.3L LPG	GM 4.3L LPG		
Techtronix 100 1-speed	Techtronix 100X 2-speed	Techtronix 200X 2-speed	Techtronix 100 1-speed	Techtronix 100X 2-speed	Techtronix 200X 2-speed		
Premium Wet Brakes	Premium Wet Brakes	Premium Wet Brakes	Premium Wet Brakes	Premium Wet Brakes	Premium Wet Brakes		
LPG	LPG	LPG	LPG	LPG	LPG	1.3	
seated	seated	seated	seated	seated	seated	1.4	
5.0	5.0	5.0	5.5	5.5	5.5	1.5	
600	600	600	600	600	600	1.6	
591	591	591	591	591	591	1.8	
2100	2100	2100	2100	2100	2100	1.9	
7321	7321	7321	7606	7606	7606	2.1	Weights
10866 / 1455	10866 / 1455	10866 / 1455	11578 / 1528	11578 / 1528	11578 / 1528	2.2	
3030 / 4291	3030 / 4291	3030 / 4291	2959 / 4647	2959 / 4647	2959 / 4647	2.3	
SE	SE	SE	SE	SE	SE	3.1	Tyres/chassis
300x15	300x15	300x15	300x15	300x15	300x15	3.2	
28x9-15	28x9-15	28x9-15	28x9-15	28x9-15	28x9-15	3.3	
2x / 2	2x / 2	2x / 2	2x / 2	2x / 2	2x / 2	3.5	
1150	1150	1150	1150	1150	1150	3.6	
1162	1162	1162	1162	1162	1162	3.7	
6 / 10	6 / 10	6 / 10	6 / 10	6 / 10	6 / 10	4.1	Dimensions
2215	2215	2215	2215	2215	2215	4.2	
100	100	100	100	100	100	4.3	
2740	2740	2740	2740	2740	2740	4.4	
3730	3730	3730	3730	3730	3730	4.5	
2300	2300	2300	2300	2300	2300	4.7	
1321	1321	1321	1321	1321	1321	4.8	
429	429	429	429	429	429	4.12	
4500	4500	4500	4541	4541	4541	4.19	
3300	3300	3300	3341	3341	3341	4.20	
1450 / 1575 / 1875	1450 / 1575 / 1875	1450 / 1575 / 1875	1450 / 1575 / 1875	1450 / 1575 / 1875	1450 / 1575 / 1875	4.21	
60 / 150 / 1200	60 / 150 / 1200	60 / 150 / 1200	60 / 150 / 1200	60 / 150 / 1200	60 / 150 / 1200	4.22	
IVA	IVA	IVA	IVA	IVA	IVA	4.23	
1219	1219	1219	1219	1219	1219	4.24	
194	194	194	194	194	194	4.31	
237	237	237	237	237	237	4.32	
1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000	1200 x 1000	4.33	
4668	4668	4668	4706	4706	4706	4.34	
4868	4868	4868	4906	4906	4906	4.34.1	
4868	4868	4868	4906	4906	4906	4.34.2	
2877	2877	2877	2915	2915	2915	4.35	
800	800	800	800	800	800	4.36	
2469	2469	2469	2490	2490	2490	4.41	
484	484	484	484	484	484	4.42	
360	360	360	360	360	360	4.43	
17.8 / 18.1	22.2 / 22.6	22.2 / 22.6	17.8 / 18.1	22.2 / 22.6	22.2 / 22.6	5.1	Performance data
17.8 / 18.1	17.8 / 18.1	17.8 / 18.1	17.8 / 18.1	17.8 / 18.1	17.8 / 18.1	5.1.1	
0.48 / 0.49	0.48 / 0.49	0.48 / 0.49	0.48 / 0.49	0.48 / 0.49	0.48 / 0.49	5.2	
0.51 / 0.42	0.51 / 0.42	0.51 / 0.42	0.51 / 0.42	0.51 / 0.42	0.51 / 0.42	5.3	
24400 / 20900	29000 / 20900	25800 / 20900	24200 / 20600	28800 / 20600	25800 / 20600	5.5	
16.3 / 29.6	18.3 / 29.6	20.1 / 29.6	16.5 / 27.9	18.6 / 27.9	20.4 / 27.9	5.7	
5.8 / 4.9	6.0 / 5.2	6.2 / 5.4	5.8 / 4.9	6.1 / 5.2	6.4 / 5.5	5.9	
5.54	5.9	TBA	5.76	6.2	TBA	7.5	
155	155	155	155	155	155	10.1	Addition data
83.3	83.3	83.3	83.3	83.3	83.3	10.2	
67.8	67.8	67.8	67.8	67.8	67.8	10.3	
38.6	38.6	38.6	38.6	38.6	38.6	10.4	
80	80	80	80	80	80	10.7	
100	100	100	100	100	100	10.7.1	
105	105	105	105	105	105	10.7.2	
Pin	Pin	Pin	Pin	Pin	Pin	10.8	

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

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

Base models: Specification data based on 3050mm (40/4.0 at 500 - 40/4.0 at 600) / 2800mm (45/4.5 at 500 - 55/5.5) TOF 2 stage LFL mast with standard carriage, 1000mm (40/4.0 at 500) / 1200mm (40/4.0 at 600 - 55/5.5) forks with manual hydraulics, overhead guard and standard pneumatic shaped solid drive and steer tyres.

Value and Productivity models: Specification data based on 3050mm (40/4.0 at 500 - 40/4.0 at 600) / 2800mm (45/4.5 at 500 - 55/5.5) TOF 2 stage LFL mast with standard carriage, 1000mm (40/4.0 at 500) / 1200mm (40/4.0 at 600 - 55/5.5) forks with e-hydraulics, overhead guard and standard pneumatic shaped solid drive and steer tyres.

VX series

Models: GDP/GLP 40VX5, 40VX6, 45SVX5, 45VX6, 50VX, 55VX

Yale Veracitor VX Series
This series of trucks is available in two configurations.

The Veracitor Value truck provides excellent performance for standard and medium-duty applications, optimised for lowest hourly operation cost.

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

LPG Engines
Yale Veracitor VX GM V-6 engines feature a rigid cast iron block and main bearing caps. Nodular iron crankshaft is supported on four main bearings. Camshaft is cast iron. Hydraulic valve lifters are utilised to eliminate the need for manual adjustment.

All GM engines include hardened intake and exhaust valve seats with stellite coated valves for superior durability. The GM engine also features an electronic throttle for precise performance and control.

Fuel System
The GM LP engine uses sequential port fuel injection and a vaporizer/regulator to convert the fuel from a liquid to a gas for vapour injection.

The Engine Control Unit electronically regulates the fuel, air, and spark advance to provide the necessary torque. The engine control unit's inputs include manifold air pressure, manifold air temperature, engine coolant temperature, accelerator pedal position, throttle position, engine speed, cam signal, and oxygen sensor signal.

Diesel Engines
Yale VX40-55 Value and Productivity models feature the new electronically controlled Kubota V3800 E4 turbocharged diesel engine, delivering power of 55 kW at 2200 rpm.

The new Kubota V3800 E4 diesel engine is fully compliant with Stage IIIB requirements for regulated markets and will be equipped with a Diesel Particulate Filter as standard. This engine meets the stringent emissions regulations by using a number of technologies including cooled exhaust gas recirculation, charge air cooling and an active regenerating Diesel particulate filter (DPF) which reduces soot levels by 90% to 0.025g/kWh.

Stage IIIB = High productivity and low emissions. You can recognize a low emission trucks by the Stage IIIB symbol.

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

Load Sensing Hydraulics (LSH)
LSH, where available, 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. The engine therefore supplies only power to the hydraulic pumps 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.

*(*Yale Productivity Test Cycle: Load Sensing Hydraulics and ECO-eLo functions are available on trucks with AccuTouch™ mini-levers and Techtronix transmissions only).*

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

A single pedal controls both inching and braking. A 100 mesh suction and a 10 micron return line filtration protect

the transmission from abrasive contaminants.

The Techtronix 100 features electronic inching, Auto Deceleration System (ADS) through the controlled application of clutch packs to slow the truck down without the need to apply the foot brake. Controlled Power Reversal (CPR) reduces tyre spin by precisely regulating engine speed during full power reversal situations and Controlled Roll-Back (CRB) limits roll-back on gradients to 75mm per second.

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

The Techtronix 200X has all the Techtronix 100X features, Dynamic Auto Deceleration System (DADS), plus Auto-Speed Hydraulics with Automatic Inching Control. This automatically increases engine RPM as hydraulic functions are actuated, while maintaining control over vehicle speed. The throttle response management feature provides travel speed as a direct result of pedal position, improving truck control.

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 15 psi, the coolant recovery tank allows visual inspection of coolant level. The 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 utilise 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
The new Standard oil-immersed brake axle is a self-contained unit with its own oil supply, whereas the Premium oil-immersed brake axle features an additional oil supply routed through the Combi-Cooler. The Premium oil-immersed brake axle should be supplied into multiple shift operations, or where the brakes are in constant use. The Standard oil-immersed brake axle is not available on long wheelbase models and is currently not compatible with the V3600 Kubota engine configurations.

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.

Continuous Stability Enhancement (CSE)
The CSE system enhances lateral truck stability through reduced steer axle articulation, while simultaneously allowing uncompromised uneven surface travel.

Operator’s Compartment
All trucks are available with a new mini-lever armrest, which features a new contoured design, and – in addition to the hydraulic functions - features a horn and direction switch, ensuring that all key truck functions are within constant, easy reach.

The new FLM80 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 minimising the

VX series

Models: GDP/GLP 40VX5, 40VX6, 45SVX5, 45VX6, 50VX, 55VX

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operator exposure to vibration over the shift. 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.

Hydraulic System
Hydraulic system incorporates a gear type pump with cast iron body for quiet efficiency or Load Sense Hydraulics. The system is protected from overloads by a main relief valve for the lift circuit and secondary relief valve for tilt and auxiliary functions. Oil is double filtered through a 100 mesh suction line strainer and 10 micron return line filter.

Hydraulic tank is integrated into the frame.

For AccuTouch™ electrohydraulic controls, an emergency lowering valve is provided to allow the load to be lowered in the event of power loss.

O-ring face seal fittings are used in all high pressure hydraulic connections.

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

Truck shown with optional equipment

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