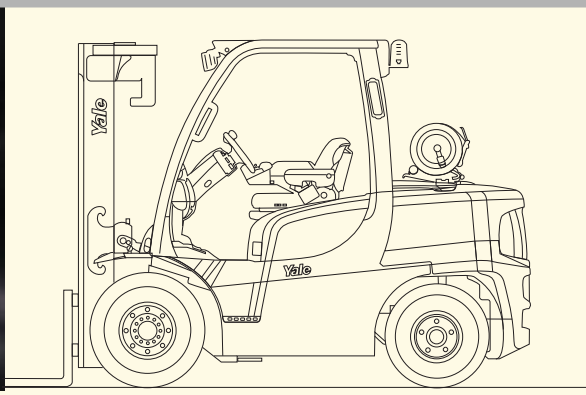
VX series

People. Products. Productivity.

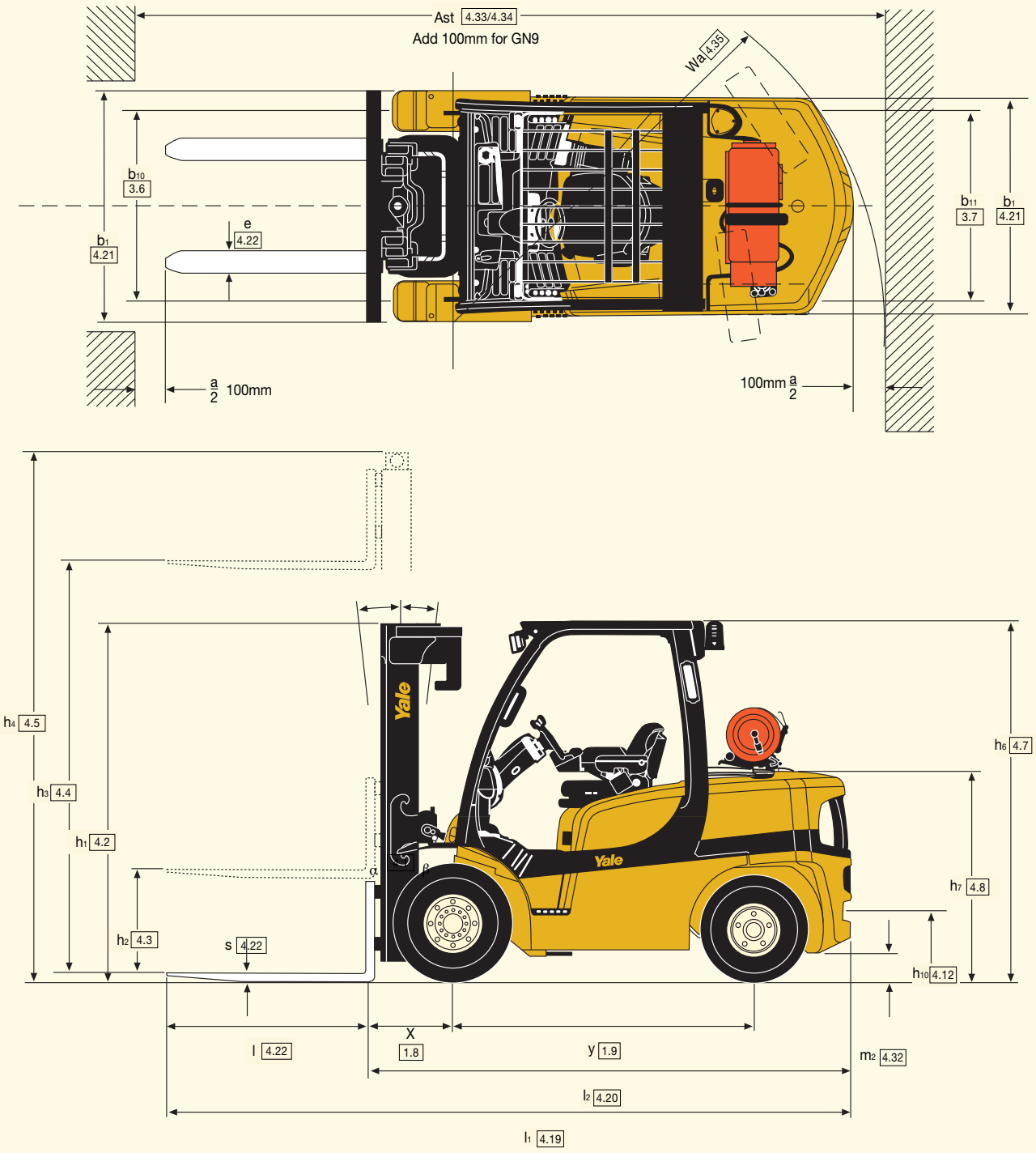
Veracitor VX Series
Diesel and LP Gas Forklift Trucks

4,000kg, 4,500kg, 5,000kg and 5,500kg



- Intellix Vehicle Management System
- 3 application matched transmissions, including the Worlds' best hydrodynamic transmission - the Yale Techtronix 200X
- Oil immersed brakes
- ADS - Auto Deceleration System on Techtronix 100 transmission
- Controlled roll-back
- CANbus technology
- Accutouch minilevers, PalmTech joystick and manual levers
- Supercushion, pneumatic and Michelin XZM radial tyres

Truck Dimensions



Engine Specifications

LP Engine Specification

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

Diesel Engine Specification

Engine	Cummins
Cylinders	Inline 4
Displacement	3.3 litre
Power	60 kW @ 2,200rpm
Torque	371 Nm @ 1,400rpm

Options

- Oil immersed brakes
- 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
- Accutouch minilever, electro-hydraulic control
- PalmTech joystick
- 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

Mast details and capacity ratings (kg) - Supercushion tyres

Model							GLP/GDP 40VX5						GLP/GDP 40VX6			
Tyres							250 x 15						250 x 15			
Width across tyres							1402mm						1402mm			
Mast	OAH	FFH	MFH		Tilt		Forks			Integral side shift			Forks		Integral side shift	
							500	600	700	500	600	700	600	700	600	700
	h1	h2+s	h3+s	h4	F	B	LC	LC	LC	LC	LC	LC	LC	LC	LC	LC
2-Stage LFL (V)	2175	150	3050	3815	6	10	4000	3670	3620	4000	3670	3540	4000	3930	4000	3830
	2475	150	3650	4415	6	10	4000	3670	3610	4000	3670	3520	4000	3910	4000	3820
	2775	150	4250	5015	6	10	4000	3670	3590	4000	3670	3510	4000	3900	4000	3800
	3225	150	4950	5715	6	6	3890	3570	3470	3890	3570	3380	3890	3770	3890	3670
2-Stage FFL (F)	2175	1355	3075	3890	6	10	4000	3670	3490	4000	3670	3420	4000	3790	4000	3710
	2475	1655	3675	4490	6	10	4000	3670	3480	4000	3670	3400	4000	3770	4000	3690
3-Stage FFL (E)	2175	1355	4415	5225	6	6	4000	3670	3450	4000	3670	3390	4000	3740	4000	3680
	2375	1555	4950	5765	6	6	3880	3560	3330	3880	3560	3280	3880	3620	3870	3560
	2475	1655	5250	6065	6	6	3810	3500	3260	3810	3490	3210	3810	3550	3790	3490
	2575	1755	5550	6365	6	6	3730	3430	3190	3730	3410	3140	3740	3480	3710	3420
	2775	1955	6000	6815	6	6	3610	3310	3070	3590	3280	3020	3620	3350	3580	3300

Mast details and capacity ratings (kg) - Supercushion tyres

Model							GLP/GDP 45SVX5						GLP/GDP 45VX6			
Tyres							250 x 15						300 x 15			
Width across tyres							1402mm						1450mm			
Mast	OAH	FFH	MFH		Tilt		Forks			Integral side shift			Forks		Integral side shift	
							500	600	700	500	600	700	600	700	600	700
	h1	h2+s	h3+s	h4	F	B	LC	LC	LC	LC	LC	LC	LC	LC	LC	LC
2-Stage LFL (V)	2215	160	2800	3730	6	10	4500	4000	3940	4500	4000	3830	4500	4400	4500	4280
	2515	160	3400	4330	6	10	4500	4000	3930	4500	4000	3810	4500	4390	4500	4260
	2815	160	4000	4930	6	10	4500	4000	3910	4500	4000	3800	4500	4370	4500	4250
	3265	160	4700	5630	6	6	4390	3900	3790	4340	3900	3680	4390	4240	4390	4120
	3665	160	5300	6230	6	6	4240	3770	3630	4160	3770	3530	4250	4080	4250	3960
	4065	160	5900	6830	6	6	4070*	3620*	3470*	3970*	3620*	3370*	4100	3910	4100	3800
2-Stage FFL (F)	2215	1230	2825	3810	6	10	4500	4000	3910	4480	4000	3800	4500	4370	4500	4250
	2515	1530	3425	4410	6	10	4500	4000	3900	4460	4000	3780	4500	4350	4500	4230
3-Stage FFL (E)	2215	1230	4145	5130	6	6	4500	4000	3860	4420	4000	3750	4500	4320	4500	4190
	2515	1530	5000	5985	6	6	4300	3820	3670	4200	3820	3560	4310	4120	4310	4000
	2615	1630	5300	6285	6	6	4230	3760	3600	4120	3760	3490	4240	4040	4240	3930
							1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*

Mast details and capacity ratings (kg) - Supercushion tyres

Model							GLP/GDP 50VX				GLP/GDP 55VX			
Tyres							300 x 15				300 x 15			
Width across tyres							1450mm				1450mm			
Mast	OAH	FFH	MFH		Tilt		Forks		Integral side shift		Forks		Integral side shift	
							600	700	600	700	600	700	600	700
	h1	h2+s	h3+s	h4	F	B	LC	LC	LC	LC	LC	LC	LC	LC
2-Stage LFL (V)	2215	160	2800	3730	6	10	5000	4870	5000	4730	5500	5340	5500	5200
	2515	160	3400	4330	6	10	5000	4850	5000	4720	5500	5330	5500	5180
	2815	160	4000	4930	6	10	5000	4840	5000	4700	5500	5310	5500	5170
	3265	160	4700	5630	6	6	4890	4700	4890	4570	5380	5170	5380	5030
	3665	160	5300	6230	6	6	4740	4540	4740	4410	5230	5000	5230	4860
	4065	160	5900	6830	6	6	4580	4360	4580	4230	5050	4810	5050	4680
2-Stage FFL (F)	2215	1230	2825	3810	6	10	5000	4840	5000	4700	5500	5310	5500	5170
	2515	1530	3425	4410	6	10	5000	4820	5000	4690	5500	5300	5500	5150
3-Stage FFL (E)	2215	1230	4145	5130	6	6	5000	4780	5000	4650	5500	5260	5500	5120
	2515	1530	5000	5985	6	6	4800	4570	4800	4450	5290	5040	5290	4910
	2615	1630	5300	6285	6	6	4730	4490	4730	4370	5210	4960	5210	4820
							11	*12*	*13*	*14*	*15*	*16*	*17*	*18*

Capacity ratings specific to Michelin radial tyres (see footnote)

GLP/GDP 45SVX5						GLP/GDP 45VX6				GLP/GDP 45VX6				GLP/GDP 55VX			
250/70-R15						315/70-R15				315/70-R15				315/70-R15			
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*	*17*	*18*
			4480														
4390					3680					4880		4880		5380*	5170*	5380*	5030*
4230*	3760*	3630*	4160*	3760*	3520*	4250*	4080*	4250*	3960*	4730*	4530*	4730*	4400*	5220*	4990*	5220*	4860*
4070**	3620**	3470**	3970**	3620**	3360**	4090**	3900**	4090**	3790**	4570**	3360**	4570**	4230**	5050**	4810**	5050**	4680**
4270*	3820*	3660*	4200*	3820*	3560*	4310*	4110*	4310*	4000*	4800*	4570*	4800*	4450*	5290*	5030*	5290*	4900*
4220**	3750**	3590**	4120**	3750**	3490**	4240**	4030**	4240**	3920**	4730**	4490**	4730**	4370**	5210**	4960**	5210**	4820**

Data for radial tyres is the same as in the above three Supercushion tables, except for figures indicated by column number and shaded area.

* Wide tread tyres or dual drive wheels required.
** Dual drive wheels required.

A full range of Yale Hi-Vis™ 2 stage LFL and 2 and 3 stage FFL masts are available.

Yale Hi-Vis™ masts are designed for maximum visibility, with widely spaced channels, lift chains and main lift cylinders.

VDI 2198 – General Specifications, Diesel Powered GDP40VX(5), GDP40VX(6), GDP45SVX(5), GD

Characteristics	1.1	Manufacturer		Yale			
	1.2	Model designation		**GDP 40 VX5** (500 mm load centre model specification)			**GDP 40 VX6** (60
		Model - Manufacturer Designation		Base	Value	Productivity	Base
		Power Train - Engine Transmission		Cummins QSB 3.3L Techtronix 100	Cummins QSB 3.3L Techtronix 100X	Cummins QSB 3.3L Techtronix 200X	Cummins QSB 3.3L Techtronix 100
		Brake type		Drum	Drum or Oil Immersed	Oil Immersed	Drum
	1.3	Drive: Diesel, LPG		Diesel	Diesel	Diesel	Diesel
	1.4	Operation: Seated rider		Seated Rider	Seated Rider	Seated Rider	Seated Rider
	1.5	Load capacity	Q (kg)	4000	4000	4000	4000
	1.6	Load centre	c (mm)	500	500	500	600
	1.8	Load distance	x (mm)	522.1	522.1	522.1	522.1
	1.9	Wheelbase	y (mm)	1830	1830	1830	1830
Weights	2.1	Unladen weight	kg	6298	6298	6298	6672
	2.2	Axle loading laden, front/rear	kg	8849 / 1077	8849 / 1077	8849 / 1077	8910 / 1390
	2.3	Axle loading unladen, front/rear	kg	2923 / 3375	2923 / 3375	2923 / 3375	3003 / 3669
Wheels & Tyres	3.1	Tyres: P=pneumatic, C=cushion, SC=supercushion		SC	SC	SC	SC
	3.2	Tyre size-front		250 x 15	250 x 15	250 x 15	250 x 15
	3.3	Tyre size-rear		7.00 X 12	7.00 X 12	7.00 X 12	7.00 X 12
	3.5	Number of wheels, front/rear (X = driven)		2X / 2	2X / 2	2X / 2	2X / 2
	3.6	Track width, front	b10 (mm)	1152	1152	1152	1152
	3.7	Track width, rear	b11 (mm)	1136	1136	1136	1136
Dimensions	4.1	Mast tilt, forward α /back β	degrees	6 / 10	6 / 10	6 / 10	6 / 10
	4.2	Height of mast, lowered	h1 (mm)	2175	2175	2175	2175
	4.3	Free lift ▲	h2 (mm)	100	100	100	100
	4.4	Lift height ▲	h3 (mm)	3000	3000	3000	3000
	4.5	Height of mast, extended ✚	h4 (mm)	3815	3815	3815	3815
	4.7	Height to top of overhead guard ❍	h6 (mm)	2258	2258	2258	2258
	4.8	Seat height ✘	h7 (mm)	1159	1159	1159	1159
	4.12	Towing coupling height	h10 (mm)	429	429	429	429
	4.19	Overall length	l1 (mm)	3945	3945	3945	3976
	4.20	Length to face of forks	l2 (mm)	2945	2945	2945	2976
	4.21	Overall width, (Standard/Wide/Dual)	b1/b2 (mm)	1402 / 1485 / 1773	1402 / 1485 / 1773	1402 / 1485 / 1773	1402 / 1485 / 1773
	4.22	Fork dimensions	s/e/l (mm)	50 x 125 x 1000	50 x 125 x 1000	50 x 125 x 1000	50 x 125 x 1200
	4.23	Fork carriage to DIN 15173. Class, A/B		IIIA	IIIA	IIIA	IIIA
	4.24	Fork carriage width ◗	b3 (mm)	1219	1219	1219	1219
	4.31	Ground clearance under mast, laden	m1 (mm)	151	151	151	150
	4.32	Ground clearance at centre of wheelbase	m2 (mm)	194	194	194	194
	4.33	Aisle width with pallets 1000 long x 1200 wide	Ast (mm)	4388	4388	4388	4417
	4.34	Aisle width with pallets 800 wide x 1200 long	Ast (mm)	4527	4527	4527	4556
	4.35	Outer turning radius	Wa (mm)	2570	2570	2570	2599
	4.36	Inner turning radius	b13 (mm)	50	50	50	50
Performance	5.1	Travel speed laden/unladen	km/h	18.7 / 19.5	20.7 / 21.6	19.6 / 20.4	18.7 / 19.5
	5.2	Lifting speed laden/unladen	m/sec	0.60 / 0.66	0.60 / 0.66	0.60 / 0.66	0.60 / 0.66
	5.3	Lowering speed laden/unladen	m/sec	0.55 / 0.47	0.55 / 0.47	0.55 / 0.47	0.55 / 0.47
	5.5	Maximum drawbar pull laden/unladen,	N	28600 / 17500	38700 / 18000	26700 / 17500	28500 / 17000
		Drawbar pull laden/unladen, @ 1.6km/h	N	25500 / 17500	32800 / 18000	26700 / 17500	25300 / 17000
	5.7	Gradeability laden/unladen, @ 1.6km/h	%	27.1 / 29.6	34.4 / 28.7	28.5 / 29.6	24.8 / 27.1
		Gradeability laden/unladen, @ 4.8km/h	%	20.2 / 29.6	23.6 / 28.7	25.6 / 29.6	18.5 / 27.1
	5.10	Service brake		Hydraulic	Hydraulic	Hydraulic	Hydraulic
Motor	7.1	Engine manufacturer/type		Cummins QSB3.3L	Cummins QSB3.3L	Cummins QSB3.3L	Cummins QSB3.3L
	7.2	Engine output, in accordance with ISO1585	kW	60	60	60	60
	7.3	Governed speed	rpm	2200	2200	2200	2200
	7.4	Number of cylinders/displacement	cm3	4 / 3261	4 / 3261	4 / 3261	4 / 3261
Other	8.1	Drive control		Hydrodynamic	Hydrodynamic	Hydrodynamic	Hydrodynamic
	8.2	Working pressure for attachments	bar	155	155	155	155
	8.3	Oil flow for attachments ↕	l/min	83.3	83.3	83.3	83.3
	8.4	Average noise level at operator's ear ★	dB(A)	79	79	79	79
		Guaranteed sound power 2001/14/EC		104	104	104	104
	8.5	Towing coupling type		Pin	Pin	Pin	Pin

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

↕ Variable

▲ Top of forks

✘ Full suspension seat in depressed position

◗ Add 32mm with load backrest

❍ h6 subject to +/- 5mm tolerance

✚ Without load backrest

Specification sheet truck based on:

3050mm (GDP 40VX5-GDP 40VX6) / 2800mm (GDP 45SVX5-GDP 55VX) TOF 2 stage LFL mast with standard carriage, 1000mm (GDP 40VX5) / 1200mm(GDP 40VX6-GDP 55VX) forks with e-hydraulics.

P45VX(6)

Yale		Yale			Yale			1.1	
0 mm load centre model specification)		**GDP 45 SVX5** (500 mm load centre model specification)			**GDP 45 VX6** (600 mm load centre model specification)			1.2	
Value	Productivity	Base	Value	Productivity	Base	Value	Productivity		
Cummins QSB 3.3L Techtronix 100X	Cummins QSB 3.3L Techtronix 200X	Cummins QSB 3.3L Techtronix 100	Cummins QSB 3.3L Techtronix 100X	Cummins QSB 3.3L Techtronix 200X	Cummins QSB 3.3L Techtronix 100	Cummins QSB 3.3L Techtronix 100X	Cummins QSB 3.3L Techtronix 200X		
Drum or Oil Immersed	Oil Immersed	Drum	Drum or Oil Immersed	Oil Immersed	Oil Immersed	Oil Immersed	Oil Immersed		
Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	1.3	
Seated Rider	Seated Rider	Seated Rider	Seated Rider	Seated Rider	Seated Rider	Seated Rider	Seated Rider	1.4	
4000	4000	4500	4500	4500	4500	4500	4500	1.5	
600	600	500	500	500	600	600	600	1.6	
522.1	522.1	522.1	522.1	522.1	590	590	590	1.8	
1830	1830	1830	1830	1830	2100	2100	2100	1.9	
6672	6672	6630	6630	6630	7224	7224	7224	2.1	
8910 / 1390	8910 / 1390	9496 / 1216	9496 / 1216	9496 / 1216	10596 / 1164	10596 / 1164	10596 / 1164	2.2	
3003 / 3669	3003 / 3669	2829 / 3801	2829 / 3801	2829 / 3801	3473 / 3751	3473 / 3751	3473 / 3751	2.3	
SC	SC	SC	SC	SC	SC	SC	SC	3.1	
250 x 15	250 x 15	250 x 15	250 x 15	250 x 15	300 x 15	300 x 15	300 x 15	3.2	
7.00 X 12	7.00 X 12	7.00 X 12	7.00 X 12	7.00 X 12	28 X 9-15	28 X 9-15	28 X 9-15	3.3	
2X / 2	2X / 2	2X / 2	2X / 2	2X / 2	2X / 2	2X / 2	2X / 2	3.5	
1152	1152	1152	1152	1152	1150	1150	1150	3.6	
1136	1136	1136	1136	1136	1136	1136	1136	3.7	
6 / 10	6 / 10	6 / 10	6 / 10	6 / 10	6 / 10	6 / 10	6 / 10	4.1	
2175	2175	2215	2215	2215	2215	2215	2215	4.2	
100	100	100	100	100	100	100	100	4.3	
3000	3000	2740	2740	2740	2740	2740	2740	4.4	
3815	3815	3730	3730	3730	3730	3730	3730	4.5	
2258	2258	2258	2258	2258	2300	2300	2300	4.7	
1159	1159	1159	1159	1159	1201	1201	1201	4.8	
429	429	429	429	429	472	472	472	4.12	
3976	3976	4197	4197	4197	4456	4456	4456	4.19	
2976	2976	2997	2997	2997	3256	3256	3256	4.20	
1402 / 1485 / 1773	1402 / 1485 / 1773	1402 / 1485 / 1773	1402 / 1485 / 1773	1402 / 1485 / 1773	1450 / 1575 / 1875	1450 / 1575 / 1875	1450 / 1575 / 1875	4.21	
50 x 125 x 1200	50 x 125 x 1200	60 x 150 x 1200	60 x 150 x 1200	60 x 150 x 1200	60 x 150 x 1200	60 x 150 x 1200	60 x 150 x 1200	4.22	
IIIA	IIIA	IVA	IVA	IVA	IVA	IVA	IVA	4.23	
1219	1219	1219	1219	1219	1219	1219	1219	4.24	
150	150	194	194	194	194	194	194	4.31	
194	194	194	194	194	237	237	237	4.32	
4417	4417	4437	4437	4437	4695	4695	4695	4.33	
4556	4556	4576	4576	4576	4847	4847	4847	4.34	
2599	2599	2619	2619	2619	2837	2837	2837	4.35	
50	50	50	50	50	131	131	131	4.36	
20.7 / 21.6	19.6 / 20.4	18.7 / 19.5	20.7 / 21.6	19.6 / 20.4	18.1 / 18.4	22.6 / 23.1	20.4 / 20.8	5.1	
0.60 / 0.66	0.60 / 0.66	0.48 / 0.53	0.48 / 0.53	0.48 / 0.53	0.48 / 0.53	0.4 0.53	0.48 / 0.53	5.2	
0.55 / 0.47	0.55 / 0.47	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	
38700 / 18000	26700 / 18000	28500 / 17000	38700 / 17000	26700 / 17000	29200 / 21300	35500 / 21300	25800 / 21300	5.5	
32800 / 18000	26700 / 18000	25300 / 17000	32800 / 17000	26700 / 17000	25900 / 21300	30500 / 21300	25800 / 21300		
34.4 / 28.7	27.4 / 28.7	24.8 / 27.1	32.8 / 27.1	26.6 / 27.1	23.0 / 31.5	27.4 / 31.5	23.0 / 31.5	5.7	
23.6 / 28.7	24.6 / 28.7	18.5 / 27.1	22.6 / 27.1	22.5 / 27.1	17.0 / 28.1	19.4 / 31.5	20.0 / 31.5		
Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	5.10	
Cummins QSB3.3L	Cummins QSB3.3L	Cummins QSB3.3L	Cummins QSB3.3L	Cummins QSB3.3L	Cummins QSB3.3L	Cummins QSB3.3L	Cummins QSB3.3L	7.1	
60	60	60	60	60	60	60	60	7.2	
2200	2200	2200	2200	2200	2200	2200	2200	7.3	
4 / 3261	4 / 3261	4 / 3261	4 / 3261	4 / 3261	4 / 3261	4 / 3261	4 / 3261	7.4	
Hydrodynamic	Hydrodynamic	Hydrodynamic	Hydrodynamic	Hydrodynamic	Hydrodynamic	Hydrodynamic	Hydrodynamic	8.1	
155	155	155	155	155	155	155	155	8.2	
83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	8.3	
79	79	79	79	79	79	79	79	8.4	
104	104	104	104	104	104	104	104		
Pin	Pin	Pin	Pin	Pin	Pin	Pin	Pin	8.5	

Characteristics | Weights | Wheels & Tyres | Dimensions | Performance | Motor | Other

VDI 2198 – General Specifications, Diesel Powered GDP50VX, GDP55VX

Characteristics	1.1	Manufacturer		Yale	
	1.2	Model designation		**GDP 50 VX**	
		Model - Manufacturer Designation		Base	Value
		Power Train - Engine Transmission		Cummins QSB 3.3L Techtronix 100	Cummins QSB 3.3L Techtronix 100X
		Brake type		Oil Immersed	Oil Immersed
	1.3	Drive: Diesel, LPG		Diesel	Diesel
	1.4	Operation: Seated rider		Seated Rider	Seated Rider
	1.5	Load capacity	Q (kg)	5000	5000
	1.6	Load centre	c (mm)	600	600
	1.8	Load distance	x (mm)	590	590
	1.9	Wheelbase	y (mm)	2100	2100
Weights	2.1	Unladen weight	kg	7523	7523
	2.2	Axle loading laden, front/rear	kg	11241 / 1272	11241 / 1272
	2.3	Axle loading unladen, front/rear	kg	3406 / 4117	3406 / 4117
Wheels & Tyres	3.1	Tyres: P=pneumatic, C=cushion, SC=supercushion		SC	SC
	3.2	Tyre size-front		300 x 15	300 x 15
	3.3	Tyre size-rear		28 X 9-15	28 X 9-15
	3.5	Number of wheels, front/rear (X = driven)		2X / 2	2X / 2
	3.6	Track width, front	b10 (mm)	1150	1150
	3.7	Track width, rear	b11 (mm)	1136	1136
Dimensions	4.1	Mast tilt, forward α /back β	degrees	6 / 10	6 / 10
	4.2	Height of mast, lowered	h1 (mm)	2215	2215
	4.3	Free lift ▲	h2 (mm)	100	100
	4.4	Lift height ▲	h3 (mm)	2740	2740
	4.5	Height of mast, extended ✚	h4 (mm)	3730	3730
	4.7	Height to top of overhead guard ❍	h6 (mm)	2300	2300
	4.8	Seat height ✘	h7 (mm)	1201	1201
	4.12	Towing coupling height	h10 (mm)	472	472
	4.19	Overall length	l1 (mm)	4499	4499
	4.20	Length to face of forks	l2 (mm)	3299	3299
	4.21	Overall width, (Standard/Wide/Dual)	b1/b2 (mm)	1450 / 1575 / 1875	1450 / 1575 / 1875
	4.22	Fork dimensions	s/e/l (mm)	60 x 150 x 1200	60 x 150 x 1200
	4.23	Fork carriage to DIN 15173. Class, A/B		IVA	IVA
	4.24	Fork carriage width ◗	b3 (mm)	1219	1219
	4.31	Ground clearance under mast, laden	m1 (mm)	194	194
	4.32	Ground clearance at centre of wheelbase	m2 (mm)	237	237
	4.33	Aisle width with pallets 1000 long x 1200 wide	Ast (mm)	4735	4735
	4.34	Aisle width with pallets 800 wide x 1200 long	Ast (mm)	4887	4887
	4.35	Outer turning radius	Wa (mm)	2877	2877
	4.36	Inner turning radius	b13 (mm)	131	131
Performance	5.1	Travel speed laden/unladen	km/h	18.1 / 18.4	22.6 / 23.1
	5.2	Lifting speed laden/unladen	m/sec	0.48 / 0.53	0.48 / 0.53
	5.3	Lowering speed laden/unladen	m/sec	0.51 / 0.42	0.51 / 0.42
	5.5	Maximum drawbar pull laden/unladen,	N	29100 / 20900	35400 / 20900
		Drawbar pull laden/unladen, @ 1.6km/h	N	25700 / 20900	30400 / 20900
	5.7	Gradeability laden/unladen, @ 1.6km/h	%	21.5 / 29.6	25.5 / 29.6
		Gradeability laden/unladen, @ 4.8km/h	%	15.9 / 26.6	18.1 / 29.6
	5.10	Service brake		Hydraulic	Hydraulic
Motor	7.1	Engine manufacturer/type		Cummins QSB3.3L	Cummins QSB3.3L
	7.2	Engine output, in accordance with ISO1585	kW	60	60
	7.3	Governed speed	rpm	2200	2200
	7.4	Number of cylinders/displacement	cm3	4 / 3261	4 / 3261
Other	8.1	Drive control		Hydrodynamic	Hydrodynamic
	8.2	Working pressure for attachments	bar	155	155
	8.3	Oil flow for attachments ↕	l/min	83.3	83.3
	8.4	Average noise level at operator's ear ★	dB(A)	79	79
		Guaranteed sound power 2001/14/EC		104	104
	8.5	Towing coupling type		Pin	Pin

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

↕ Variable

▲ Top of forks

✘ Full suspension seat in depressed position

◗ Add 32mm with load backrest

❍ h6 subject to +/- 5mm tolerance

✚ Without load backrest

Specification sheet truck based on:

3050mm (GDP 40VX5-GDP 40VX6) / 2800mm(GDP 45SVX5-GDP 55VX) Top of Forks 2 stage LFL mast with standard carriage, 1000mm (GDP 40VX5) / 1200mm (GDP 40VX6-GDP 55VX) forks with e-hydraulics.

	Yale			1.1	Characteristics
	GDP 55 VX			1.2	
Productivity	Base	Value	Productivity		
Cummins QSB 3.3L Techtronix 200X	Cummins QSB 3.3L Techtronix 100	Cummins QSB 3.3L Techtronix 100X	Cummins QSB 3.3L Techtronix 200X		
Oil Immersed	Oil Immersed	Oil Immersed	Oil Immersed		
Diesel	Diesel	Diesel	Diesel	1.3	
Seated Rider	Seated Rider	Seated Rider	Seated Rider	1.4	
5000	5500	5500	5500	1.5	
600	600	600	600	1.6	
590	590	590	590	1.8	
2100	2100	2100	2100	1.9	
7523	7808	7808	7808	2.1	Weights
11241 / 1272	11882 / 1370	11882 / 1370	11882 / 1370	2.2	
3406 / 4117	3335 / 4474	3335 / 4474	3335 / 4474	2.3	
SC	SC	SC	SC	3.1	Wheels & Tyres
300 x 15	300 x 15	300 x 15	300 x 15	3.2	
28 X 9-15	28 X 9-15	28 X 9-15	28 X 9-15	3.3	
2X / 2	2X / 2	2X / 2	2X / 2	3.5	
1150	1150	1150	1150	3.6	
1136	1136	1136	1136	3.7	
6 / 10	6 / 10	6 / 10	6 / 10	4.1	Dimensions
2215	2215	2215	2215	4.2	
100	100	100	100	4.3	
2740	2740	2740	2740	4.4	
3730	3730	3730	3730	4.5	
2300	2300	2300	2300	4.7	
1201	1201	1201	1201	4.8	
472	472	472	472	4.12	
4499	4540	4540	4540	4.19	
3299	3340	3340	3340	4.20	
1450 / 1575 / 1875	1450 / 1575 / 1875	1450 / 1575 / 1875	1450 / 1575 / 1875	4.21	
60 x 150 x 1200	60 x 150 x 1200	60 x 150 x 1200	60 x 150 x 1200	4.22	
IVA	IVA	IVA	IVA	4.23	
1219	1219	1219	1219	4.24	
194	194	194	194	4.31	
237	237	237	237	4.32	
4735	4773	4773	4773	4.33	
4887	4925	4925	4925	4.34	
2877	2915	2915	2915	4.35	
131	131	131	131	4.36	
20.4 / 20.8	18.1 / 18.4	22.6 / 23.1	20.4 / 20.8	5.1	Performance
0.48 / 0.53	0.48 / 0.53	0.48 / 0.53	0.48 / 0.53	5.2	
0.51 / 0.42	0.51 / 0.42	0.51 / 0.42	0.51 / 0.42	5.3	
25800 / 20900	29000 / 20600	35200 / 20600	25800 / 20600	5.5	
25800 / 20900	25600 / 20600	30200 / 20600	25800 / 20600		
21.5 / 29.6	20.1 / 27.9	23.9 / 27.9	20.3 / 27.9	5.7	
19.0 / 29.6	14.9 / 25.5	16.9 / 27.9	17.5 / 27.9		
Hydraulic	Hydraulic	Hydraulic	Hydraulic	5.10	
Cummins QSB3.3L	Cummins QSB3.3L	Cummins QSB3.3L	Cummins QSB3.3L	7.1	Motor
60	60	60	60	7.2	
2200	2200	2200	2200	7.3	
4 / 3261	4 / 3261	4 / 3261	4 / 3261	7.5	
Hydrodynamic	Hydrodynamic	Hydrodynamic	Hydrodynamic	8.1	Other
155	155	155	155	8.2	
83.3	83.3	83.3	83.3	8.3	
79	79	79	79	8.4	
104	104	104	104		
Pin	Pin	Pin	Pin	8.5	

VDI 2198 – General Specifications, LPG Powered GLP40VX(5), GLP40VX(6), GLP45SVX(5), GLP45

Characteristics	1.1	Manufacturer		Yale			
	1.2	Model designation		**GLP 40 VX5** (500 mm load centre model specification)			**GLP 40 VX6** (600
		Model - Manufacturer Designation		Base	Value	Productivity	Base
		Power Train - Engine Transmission		GM 4.3L Techtronix 100	GM 4.3L Techtronix 100X	GM 4.3L Techtronix 200X	GM 4.3L Techtronix 100
		Brake type		Drum	Drum or Oil Immersed	Oil Immersed	Drum
	1.3	Drive: Diesel, LPG		LPG	LPG	LPG	LPG
	1.4	Operation: Seated rider		Seated Rider	Seated Rider	Seated Rider	Seated Rider
	1.5	Load capacity	Q (kg)	4000	4000	4000	4000
	1.6	Load centre	c (mm)	500	500	500	600
	1.8	Load distance	x (mm)	522.1	522.1	522.1	522.1
	1.9	Wheelbase	y (mm)	1830	1830	1830	1830
Weights	2.1	Unladen weight	kg	6033	6033	6033	6243
	2.2	Axle loading laden, front/rear	kg	8464 / 1198	8464 / 1198	8464 / 1198	8999 / 1243
	2.3	Axle loading unladen, front/rear	kg	2603 / 3429	2603 / 3429	2603 / 3429	2561 / 3682
Wheels & Tyres	3.1	Tyres: P=pneumatic, C=cushion, SC=supercushion		SC	SC	SC	SC
	3.2	Tyre size-front		250 x 15	250 x 15	250 x 15	250 x 15
	3.3	Tyre size-rear		7.00 X 12	7.00 X 12	7.00 X 12	7.00 X 12
	3.5	Number of wheels, front/rear (X = driven)		2X / 2	2X / 2	2X / 2	2X / 2
	3.6	Track width, front	b10 (mm)	1152	1152	1152	1152
	3.7	Track width, rear	b11 (mm)	1136	1136	1136	1136
Dimensions	4.1	Mast tilt, forward α /back β	degrees	6 / 10	6 / 10	6 / 10	6 / 10
	4.2	Height of mast, lowered	h1 (mm)	2175	2175	2175	2175
	4.3	Free lift ▲	h2 (mm)	100	100	100	100
	4.4	Lift height ▲	h3 (mm)	3000	3000	3000	3000
	4.5	Height of mast, extended ✚	h4 (mm)	3815	3815	3815	3815
	4.7	Height to top of overhead guard ❍	h6 (mm)	2258	2258	2258	2258
	4.8	Seat height ✘	h7 (mm)	1159	1159	1159	1159
	4.12	Towing coupling height	h10 (mm)	429	429	429	429
	4.19	Overall length	l1 (mm)	3945	3945	3945	3976
	4.20	Length to face of forks	l2 (mm)	2945	2945	2945	2976
	4.21	Overall width, (Standard/Wide/Dual)	b1/b2 (mm)	1402 / 1485 / 1773	1402 / 1485 / 1773	1402 / 1485 / 1773	1402 / 1485 / 1773
	4.22	Fork dimensions	s/e/l (mm)	50 x 125 x 1000	50 x 125 x 1000	50 x 125 x 1000	50 x 125 x 1200
	4.23	Fork carriage to DIN 15173. Class, A/B		IIIA	IIIA	IIIA	IIIA
	4.24	Fork carriage width ◗	b3 (mm)	1219	1219	1219	1219
	4.31	Ground clearance under mast, laden	m1 (mm)	151	151	151	150
	4.32	Ground clearance at centre of wheelbase	m2 (mm)	194	194	194	194
	4.33	Aisle width with pallets 1000 long x 1200 wide	Ast (mm)	4388	4388	4388	4417
	4.34	Aisle width with pallets 800 wide x 1200 long	Ast (mm)	4527	4527	4527	4556
	4.35	Outer turning radius	Wa (mm)	2570	2570	2570	2599
	4.36	Inner turning radius	b13 (mm)	50	50	50	50
Performance	5.1	Travel speed laden/unladen	km/h	18.7 / 19.5	23.4 / 24.4	21.8 / 22.8	18.7 / 19.5
	5.2	Lifting speed laden/unladen	m/sec	0.61 / 0.62	0.61 / 0.62	0.61 / 0.62	0.61 / 0.62
	5.3	Lowering speed laden/unladen	m/sec	0.55 / 0.47	0.55 / 0.47	0.55 / 0.47	0.55 / 0.47
	5.5	Maximum drawbar pull laden/unladen,	N	27600 / 16800	33500 / 16800	44200 / 16800	27500 / 16500
		Drawbar pull laden/unladen, @ 1.6km/h	N	24800 / 16800	29400 / 16800	36700 / 16800	24700 / 16500
	5.7	Gradeability laden/unladen, @ 1.6km/h	%	27.1 / 29.6	32.7 / 29.6	42.0 / 29.6	25.4 / 28.1
		Gradeability laden/unladen, @ 4.8km/h	%	20.9 / 29.6	23.4 / 29.6	26.4 / 29.6	19.5 / 28.1
	5.10	Service brake		Hydraulic	Hydraulic	Hydraulic	Hydraulic
Motor	7.1	Engine manufacturer/type		GM 4.3L	GM 4.3L	GM 4.3L	GM 4.3L
	7.2	Engine output, in accordance with ISO1585	kW	77	77	77	77
	7.3	Governed speed	rpm	2400	2400	2400	2400
	7.4	Number of cylinders/displacement	cm3	6 / 4302	6 / 4302	6 / 4302	6 / 4302
Other	8.1	Drive control		Hydrodynamic	Hydrodynamic	Hydrodynamic	Hydrodynamic
	8.2	Working pressure for attachments	bar	155	155	155	155
	8.3	Oil flow for attachments ↕	l/min	83.3	83.3	83.3	83.3
	8.4	Average noise level at operator's ear ★	dB(A)	82/80	82/80	82/80	82/80
		Guaranteed sound power 2001/14/EC		105	105	105	105
	8.5	Towing coupling type		Pin	Pin	Pin	Pin

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

↕ Variable

▲ Top of forks

✘ Full suspension seat in depressed position

◗ Add 32mm with load backrest

❍ h6 subject to +/- 5mm tolerance

✚ Without load backrest

Specification sheet truck based on:

3050mm (GLP40VX5, GLP40VX6) / 2800mm (GLP45SVX5, GLP45VX6) top of forks 2 stage LFL mast with standard carriage, 1000mm (GLP40VX5) / 1200mm (GLP40VX6, GLP45SVX5, GLP45VX6) forks with e-hydraulics.

5VX(6)

Yale		Yale			Yale			1.1	
0 mm load centre model specification)		**GLP 45 SVX5** (500 mm load centre model specification)			**GLP 45 VX6** (600 mm load centre model specification)			1.2	
Value	Productivity	Base	Value	Productivity	Base	Value	Productivity		
GM 4.3L Techtronix 100X	GM 4.3L Techtronix 200X	GM 4.3L Techtronix 100	GM 4.3L Techtronix 100X	GM 4.3L Techtronix 200X	GM 4.3L Techtronix 100	GM 4.3L Techtronix 100X	GM 4.3L Techtronix 200X		
Drum or Oil Immersed	Oil Immersed	Drum	Drum or Oil Immersed	Oil Immersed	Oil Immersed	Oil Immersed	Oil Immersed		
LPG	LPG	LPG	LPG	LPG	LPG	LPG	LPG	1.3	Characteristics
Seated Rider	Seated Rider	Seated Rider	Seated Rider	Seated Rider	Seated Rider	Seated Rider	Seated Rider	1.4	
4000	4000	4500	4500	4500	4500	4500	4500	1.5	
600	600	500	500	500	600	600	600	1.6	
522.1	522.1	522.1	522.1	522.1	590	590	590	1.8	
1830	1830	1830	1830	1830	2100	2100	2100	1.9	
6243	6243	6368	6368	6368	6939	6939	6939	2.1	Weights
8999 / 1243	8999 / 1243	9095 / 1356	9095 / 1356	9095 / 1356	10265 / 1210	10265 / 1210	10265 / 1210	2.2	
2561 / 3682	2561 / 3682	2526 / 3842	2526 / 3842	2526 / 3842	3152 / 3787	3152 / 3787	3152 / 3787	2.3	
SC	SC	SC	SC	SC	SC	SC	SC	3.1	Wheels & Tyres
250 x 15	250 x 15	250 x 15	250 x 15	250 x 15	300 x 15	300 x 15	300 x 15	3.2	
7.00 X 12	7.00 X 12	7.00 X 12	7.00 X 12	7.00 X 12	28 X 9-15	28 X 9-15	28 X 9-15	3.3	
2X / 2	2X / 2	2X / 2	2X / 2	2X / 2	2X / 2	2X / 2	2X / 2	3.5	
1152	1152	1152	1152	1152	1150	1150	1150	3.6	
1136	1136	1136	1136	1136	1136	1136	1136	3.7	
6 / 10	6 / 10	6 / 10	6 / 10	6 / 10	6 / 10	6 / 10	6 / 10	4.1	Dimensions
2175	2175	2215	2215	2215	2215	2215	2215	4.2	
100	100	100	100	100	100	100	100	4.3	
3000	3000	2740	2740	2740	2740	2740	2740	4.4	
3815	3815	3730	3730	3730	3730	3730	3730	4.5	
2258	2258	2258	2258	2258	2300	2300	2300	4.7	
1159	1159	1159	1159	1159	1201	1201	1201	4.8	
429	429	429	429	429	472	472	472	4.12	
3976	3976	4197	4197	4197	4456	4456	4456	4.19	
2976	2976	2997	2997	2997	3256	3256	3256	4.20	
1402 / 1485 / 1773	1402 / 1485 / 1773	1402 / 1485 / 1773	1402 / 1485 / 1773	1402 / 1485 / 1773	1450 / 1575 / 1875	1450 / 1575 / 1875	1450 / 1575 / 1875	4.21	
50 x 125 x 1200	50 x 125 x 1200	60 x 150 x 1200	60 x 150 x 1200	60 x 150 x 1200	60 x 150 x 1200	60 x 150 x 1200	60 x 150 x 1200	4.22	
IIIA	IIIA	IVA	IVA	IVA	IVA	IVA	IVA	4.23	
1219	1219	1219	1219	1219	1219	1219	1219	4.24	
150	150	194	194	194	194	194	194	4.31	
194	194	194	194	194	237	237	237	4.32	
4417	4417	4437	4437	4437	4695	4695	4695	4.33	
4556	4556	4576	4576	4576	4847	4847	4847	4.34	
2599	2599	2619	2619	2619	2837	2837	2837	4.35	
50	50	50	50	50	131	131	131	4.36	
23.3 / 24.4	21.8 / 22.8	18.7 / 19.5	23.3 / 24.4	21.8 / 22.8	18.2 / 18.5	22.7 / 23.2	22.7 / 23.2	5.1	Performance
0.61 / 0.62	0.61 / 0.62	0.56 / 0.57	0.56 / 0.57	0.56 / 0.57	0.56 / 0.57	0.56 / 0.57	0.56 / 0.57	5.2	
0.55 / 0.47	0.55 / 0.47	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	
33400 / 16500	44100 / 16500	27500 / 16300	33400 / 16300	44100 / 16300	28100 / 20200	34100 / 20200	39400 / 20200	5.5	
29300 / 16500	36600 / 16500	24700 / 16300	29300 / 16300	36500 / 16300	25100 / 20200	29800 / 20200	32300 / 20200		
30.5 / 28.1	39.1 / 28.1	24.8 / 27.1	29.8 / 27.1	38.2 / 27.1	22.9 / 31.1	27.5 / 31.1	30.1 / 31.1	5.7	
21.8 / 28.1	25.0 / 28.1	19.0 / 27.1	21.8 / 27.1	24.4 / 27.1	17.5 / 31.1	19.6 / 31.1	21.7 / 31.1		
Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	5.10	
GM 4.3L	GM 4.3L	GM 4.3L	GM 4.3L	GM 4.3L	GM 4.3L	GM 4.3L	GM 4.3L	7.1	Motor
77	77	77	77	77	77	77	77	7.2	
2400	2400	2400	2400	2400	2400	2400	2400	7.3	
6 / 4302	6 / 4302	6 / 4302	6 / 4302	6 / 4302	6 / 4302	6 / 4302	6 / 4302	7.4	
Hydrodynamic	Hydrodynamic	Hydrodynamic	Hydrodynamic	Hydrodynamic	Hydrodynamic	Hydrodynamic	Hydrodynamic	8.1	Other
155	155	155	155	155	155	155	155	8.2	
83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	8.3	
82/80	82/80	82/80	82/80	82/80	82/80	82/80	82/80	8.4	
105	105	105	105	105	105	105	105		
Pin	Pin	Pin	Pin	Pin	Pin	Pin	Pin	8.5	

VDI 2198 – General Specifications, LPG Powered GLP50VX, GLP55VX

Characteristics	1.1	Manufacturer		Yale	
	1.2	Model designation		**GLP 50 VX**	
		Model - Manufacturer Designation		Base	Value
		Power Train - Engine Transmission		GM 4.3L Techtronix 100	GM 4.3L Techtronix 100X
		Brake type		Oil Immersed	Oil Immersed
	1.3	Drive: Diesel, LPG		LPG	LPG
	1.4	Operation: Seated rider		Seated Rider	Seated Rider
	1.5	Load capacity	Q (kg)	5000	5000
	1.6	Load centre	c (mm)	600	600
	1.8	Load distance	x (mm)	590	590
	1.9	Wheelbase	y (mm)	2100	2100
Weights	2.1	Unladen weight	kg	7244	7244
	2.2	Axle loading laden, front/rear	kg	10913 / 1320	10913 / 1320
	2.3	Axle loading unladen, front/rear	kg	3089 / 4155	3089 / 4155
Wheels & Tyres	3.1	Tyres: P=pneumatic, C=cushion, SC=supercushion		SC	SC
	3.2	Tyre size-front		300 x 15	300 x 15
	3.3	Tyre size-rear		28 X 9-15	28 X 9-15
	3.5	Number of wheels, front/rear (X = driven)		2X / 2	2X / 2
	3.6	Track width, front	b10 (mm)	1150	1150
	3.7	Track width, rear	b11 (mm)	1136	1136
Dimensions	4.1	Mast tilt, forward α /back β	degrees	6 / 10	6 / 10
	4.2	Height of mast, lowered	h1 (mm)	2215	2215
	4.3	Free lift ▲	h2 (mm)	100	100
	4.4	Lift height ▲	h3 (mm)	2740	2740
	4.5	Height of mast, extended ✚	h4 (mm)	3730	3730
	4.7	Height to top of overhead guard ❍	h6 (mm)	2300	2300
	4.8	Seat height ✘	h7 (mm)	1201	1201
	4.12	Towing coupling height	h10 (mm)	472	472
	4.19	Overall length	l1 (mm)	4499	4499
	4.20	Length to face of forks	l2 (mm)	3299	3299
	4.21	Overall width, (Standrd/Wide/Dual)	b1/b2 (mm)	1450 / 1575 / 1875	1450 / 1575 / 1875
	4.22	Fork dimensions	s/e/l (mm)	60 x 150 x 1200	60 x 150 x 1200
	4.23	Fork carriage to DIN 15173. Class, A/B		IVA	IVA
	4.24	Fork carriage width ◗	b3 (mm)	1219	1219
	4.31	Ground clearance under mast, laden	m1 (mm)	194	194
	4.32	Ground clearance at centre of wheelbase	m2 (mm)	237	237
	4.33	Aisle width with pallets 1000 long x 1200 wide	Ast (mm)	4735	4735
	4.34	Aisle width with pallets 800 wide x 1200 long	Ast (mm)	4887	4887
	4.35	Outer turning radius	Wa (mm)	2877	2877
	4.36	Inner turning radius	b13 (mm)	131	131
Performance	5.1	Travel speed laden/unladen	km/h	18.2 / 18.5	22.7 / 23.2
	5.2	Lifting speed laden/unladen	m/sec	0.56 / 0.57	0.56 / 0.57
	5.3	Lowering speed laden/unladen	m/sec	0.51 / 0.42	0.51 / 0.42
	5.5	Maximum drawbar pull laden/unladen,	N	28000 / 20000	34000 / 20000
		Drawbar pull laden/unladen, @ 1.6km/h	N	25000 / 20000	29700 / 20000
	5.7	Gradeability laden/unladen, @ 1.6km/h	%	21.3 / 29.4	25.5 / 29.4
		Gradeability laden/unladen, @ 4.8km/h	%	16.3 / 29.4	18.3 / 29.4
	5.10	Service brake		Hydraulic	Hydraulic
Motor	7.1	Engine manufacturer/type		GM 4.3L	GM 4.3L
	7.2	Engine output, in accordance with ISO1585	kW	77	77
	7.3	Governed speed	rpm	2400	2400
	7.4	Number of cylinders/displacement	cm3	6 / 4302	6 / 4302
Other	8.1	Drive control		Hydrodynamic	Hydrodynamic
	8.2	Working pressure for attachments	bar	155	155
	8.3	Oil flow for attachments ↕	l/min	83.3	83.3
	8.4	Average noise level at operator's ear ★	dB(A)	82/80	82/80
		Guaranteed sound power 2001/14/EC		105	105
	8.5	Towing coupling type		Pin	Pin

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

↕ Variable

▲ Top of forks

✘ Full suspension seat in depressed position

◗ Add 32mm with load backrest

❍ h6 subject to +/- 5mm tolerance

✚ Without load backrest

Specification sheet truck based on:

2800mm (GLP50VX, GLP55VX) / top of forks 2 stage LFL mast with standard carriage, 1200mm forks with e-hydraulics.

	Yale			1.1	Characteristics
	GLP 55 VX			1.2	
Productivity	Base	Value	Productivity		
GM 4.3L Techtronix 200X	GM 4.3L Techtronix 100	GM 4.3L Techtronix 100X	GM 4.3L Techtronix 200X		
Oil Immersed	Oil Immersed	Oil Immersed	Oil Immersed		
LPG	LPG	LPG	LPG	1.3	
Seated Rider	Seated Rider	Seated Rider	Seated Rider	1.4	
5000	5500	5500	5500	1.5	
600	600	600	600	1.6	
590	590	590	590	1.8	
2100	2100	2100	2100	1.9	
7244	7529	7529	7529	2.1	Weights
10913 / 1320	11555 / 1417	11555 / 1417	11555 / 1417	2.2	
3089 / 4155	3016 / 4513	3016 / 4513	3016 / 4513	2.3	
SC	SC	SC	SC	3.1	Wheels & Tyres
300 x 15	300 x 15	300 x 15	300 x 15	3.2	
28 X 9-15	28 X 9-15	28 X 9-15	28 X 9-15	3.3	
2X / 2	2X / 2	2X / 2	2X / 2	3.5	
1150	1150	1150	1150	3.6	
1136	1136	1136	1136	3.7	
6 / 10	6 / 10	6 / 10	6 / 10	4.1	Dimensions
2215	2215	2215	2215	4.2	
100	100	100	100	4.3	
2740	2740	2740	2740	4.4	
3730	3730	3730	3730	4.5	
2300	2300	2300	2300	4.7	
1201	1201	1201	1201	4.8	
472	472	472	472	4.12	
4499	4540	4540	4540	4.19	
3299	3340	3340	3340	4.20	
1450 / 1575 / 1875	1450 / 1575 / 1875	1450 / 1575 / 1875	1450 / 1575 / 1875	4.21	
60 x 150 x 1200	60 x 150 x 1200	60 x 150 x 1200	60 x 150 x 1200	4.22	
IVA	IVA	IVA	IVA	4.23	
1219	1219	1219	1219	4.24	
194	194	194	194	4.31	
237	237	237	237	4.32	
4735	4773	4773	4773	4.33	
4887	4925	4925	4925	4.34	
2877	2915	2915	2915	4.35	
131	131	131	131	4.36	
22.7 / 23.2	18.2 / 18.5	22.7 / 23.2	22.7 / 23.2	5.1	Performance
0.56 / 0.57	0.56 / 0.57	0.56 / 0.57	0.56 / 0.57	5.2	
0.51 / 0.42	0.51 / 0.42	0.51 / 0.42	0.51 / 0.42	5.3	
39400 / 20000	28000 / 19700	34000 / 19700	39400 / 19700	5.5	
32300 / 20000	25000 / 19700	29700 / 19700	32300 / 19700		
26.4 / 29.4	21.7 / 27.7	26.1 / 27.7	28.5 / 27.7	5.7	
20.1 / 29.4	16.5 / 27.7	18.6 / 27.7	20.4 / 27.7		
Hydraulic	Hydraulic	Hydraulic	Hydraulic	5.10	
GM 4.3L	GM 4.3L	GM 4.3L	GM 4.3L	7.1	Motor
77	77	77	77	7.2	
2400	2400	2400	2400	7.3	
6 / 4302	6 / 4302	6 / 4302	6 / 4302	7.4	
Hydrodynamic	Hydrodynamic	Hydrodynamic	Hydrodynamic	8.1	Other
155	155	155	155	8.2	
83.3	83.3	83.3	83.3	8.3	
82/80	82/80	82/80	82/80	8.4	
105	105	105	105		
Pin	Pin	Pin	Pin	8.5	

Models:

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

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

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

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
The Yale Veracitor Cummins QSB3.3L diesel turbo charged engine meets EU Tier IIIA diesel emission standards, delivering 60 kW of power at 2200 rpm.

The QSB3.3L engine represents the latest technology in off-highway engines. The engine is turbocharged, with charge air intercooling and an electronically controlled high pressure common rail fuel system.

Fuel System:
The Cummins QSB3.3L diesel engine's electronically controlled high pressure common rail fuel system dramatically reduces engine noise while providing more responsive power and better fuel efficiency at every rpm. The fuel system is capable of delivering high injection pressures of 800-1100 bar. The engine is certified for different qualities of fuels used in the EMEA regions without conversion:

- Ultra-low sulphur, low sulphur and high sulphur (up to 5000 rpm) diesel fuel.
- Biodiesel fuel up to 5% concentration (B5).

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, optional dual inch/brake pedals are available if preferred. A 100 mesh suction and a 10 micron return line filtration protect the transmission from abrasive contaminants.

1) ***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.

2) ***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.

3) 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 ensure rapid heat dissipation. The sealed cooling system operates at 15 psi, the coolant recovery tank allows visual inspection of coolant level. The combicooler 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
Brakes are duo-servo hydraulic, self-energising, and automatic adjusting drum brake assemblies. Asbestos-free brake linings are bonded to steel shoes operating in cast iron drums on the Base and Value models. The 4500kg @ 600mm load centres and the 5000kg and 5500kg capacities have oil immersed brakes as standard. The single circuit master cylinder has 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 uneven surface travel.

Operator's Compartment
Base truck features cowl mounted hydraulic control levers positioned on the right side of the steering column.

Value and Productivity trucks feature Accutouch or PalmTech electro-hydraulic controls integrated into the operator's right-side armrest for superior ergonomic actuation.

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. 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 or PalmTech joystick 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

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Truck shown with optional equipment