



GDP/GLP 60-80VX

SPEC SHEET

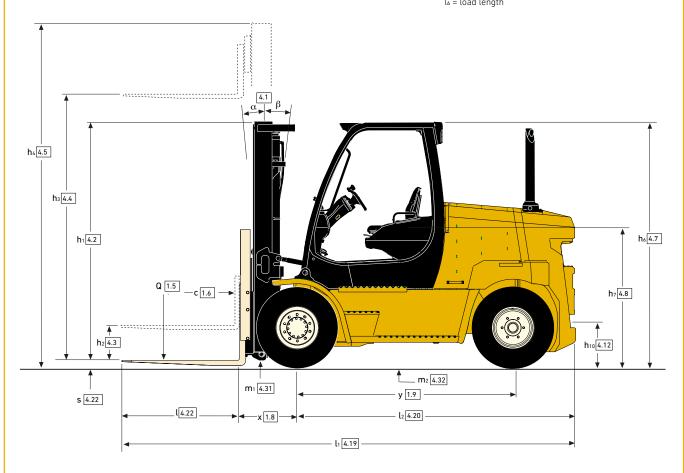
6,000 - 8,000 kg

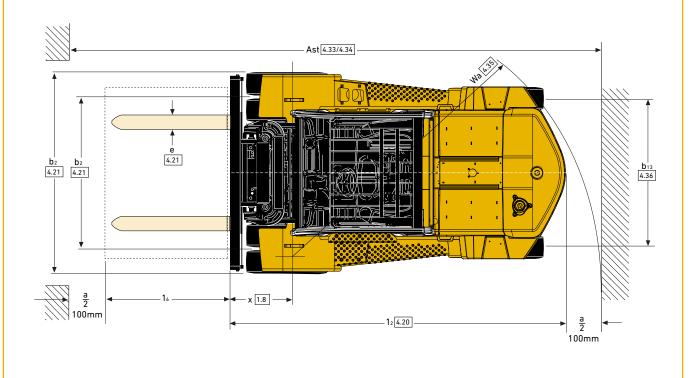
VX Series

Diesel and LPG Forklift Trucks

TRUCK DIMENSIONS – VX SERIES

Ast = Wa + x + l_6 + a (see lines 4.34.1 and 4.34.2) a = Minimum operating distance (VDI standard = 200mm BITA recommendation = 300mm l_6 = load length





VDI	219	8 – GENERAL SPECIFICATIONS – VX SERI	ES				
	1.1	Manufacturer			Yal	le	
	1.2	Model designation			GLP 6		ı
	1.2.1	Model		Ba		Value	Productivity
	1.3	Drive			LP		
	1.3.1	CE Compliance / Emission Standard Engine			Stag Kubota		
	1.3.2	Lingine			Electronic 2-Speed	3 J.OL	
GENERAL	1.3.3	Transmission		Electronic 2-Speed Powershift	Powershift with Soft Shift Power Reversal	Techtronix 332, 3-Speed	Techtronix 332+, 3-Speed
	1.3.4	Brake Type			Wet Br	rakes	
l	1.4	Operator type			Sea		
	1.5	Rated capacity/rated load	Q (t)		6		
	1.6	Load centre distance Load distance, centre of drive axle to fork	c (mm)		60		
	1.9	Wheelbase	y (mm)		223		
⊨	2.1	Service weight (w/ std equipment: mast, carriage, forks, etc.)	kg		894		
WEIGHT	2.2	Axle loading, laden front/rear	kg		13703 /		
×	2.3	Axle loading, unladen front/rear	kg		4147 /		
	3.1	Tyres front/rear			Pneur	matic	
	3.2	Tyre size, front			8.25x15	14PR	
TYRES	3.3	Tyre size, rear			8.25x15		
₽	3.5	Number of wheels, front/rear (x = driven wheels)			4X /		
l	3.6	Tread, front	b10 (mm)		184		
	3.7	Tread, rear	b ₁₁ (mm)		153		
	4.1	Tilt of mast/fork carrige, forward α /backward β Height, mast lowered	α / β (°) h ₁ (mm)		5 / 254		
-	4.2	Free lift (2)	h ₂ (mm)		10		
ı	4.4	Lift (2)	h ₃ (mm)		294		
	4.5	Height, mast extended (4)	h4 (mm)		404		
İ	4.7	Height of overhead guard (cabin) (6)	h ₆ (mm)		254	49	
	4.7.1	Cab height (open cab)	mm		253	31	
l	4.8	Seat height/stand height (3)	h ₇ (mm)		154	47	
	4.12	Coupling height	h ₁₀ (mm)		46		
v	4.19	Overall length	lı (mm)		481		
DIMENSIONS	4.20	Length to face of forks	l ₂ (mm)		36° 208		
SN	4.21	Overall width Fork dimensions	b1/b2 (mm) s/e/l (mm)		60 / 150		
Σ	4.23	Fork carriage DIN 15173, class/type A/B	S/e/t (IIIII)		00 / 130 IV/		
	4.24	Fork carriage width (5)	b3 (mm)		198		
İ	4.31	Ground clearance, laden, below mast	m1 (mm)		12	5	
	4.32	Ground clearance, centre of wheelbase	m ₂ (mm)		25	i3	
l	4.33	Aisle width with pallets 1000 long x 1200 crossways	Ast (mm)		512		
	4.34	Aisle width with pallets 800 wide x 1200 crossways	Ast (mm)		532		
	4.35	Turning radius (outer)	Wa (mm)		332		
l	4.36	Inner turning radius 90° intersecting aisle (With pallet W = 1200mm, L = 1000mm)	b ₁₃ (mm) mm		125 285		
ŀ	4.41	Step Height (from ground to running board)	mm		32		
	4.43	Step Height (between intermediate steps between running board and floor)	mm		25		
	5.1	Travel speed laden/unladen	km/h	22.2 /			/ 26.0
쁄	5.1.1	Travel speed, laden/unladen, backwards	km/h	22.2 /	23.2	22.2	/ 23.2
N Y	5.2	Lift speed, laden/unladen (2LFL)	m/sec		0.5	52	
8	5.3	Lowering speed, laden/unladen (2LFL)	m/sec		0.58 /		
PERFORMANC	5.5	Drawbar pull, laden/unladen @ 1.6 km/h	kN	33.9 /			/ 24.4
=	5.7	Gradeability, laden/unladen @ 1.6 km/h	%	23 /			/ 29
-	5.10 7.1	Service brake Engine manufacturer/type			Hydra Kubota WG		
l	7.1	Engine power according to ISO1585	kW		71.		
ш	7.3	Rated speed at max. power	rpm		240		
ENGINE	7.3.1	Torque at 1/min	Nm/min-1		285 /		
ä	7.4	Number of cylinders/displacement	(-)/cm3		6 / 4	302	
	7.5	Fuel consumption according VDI cycle	l/hr	7	'	7	.2
	7.10	Battery voltage/nominal capacity	(V)/(Ah)		12 /		
	8.1	Type of drive unit			Hydrody		
	8.2	Manufacturer/Type Wheel drive/drive axle manufacturer/type			AND AND		
	8.1	Service brake			Hydra		
	8.1	Parking Brake			Hand I		
OTHER	10.1	Operating pressure for attachments (nominal relief pressure)	bar		15		
Ę	10.2	Oil volume for attachments (nominal) (7)	l/min		83.		
-	10.3	Hydraulic Tank - capacity (drain & refill)	litres		71.		
	10.7	Sound level at driver's ear according DIN 12053 (without / with cab) (1)	dB (A) LPAZ		81 /		
	10.7.1	Sound power level during the drive cycle	dB (A) LWAZ		10		
	10.7.2	Guaranteed sound power 2001/14/EC	dB (A) LWA		10 Pi		
	10.8	Towing coupling, type DIN			Pi	П	

⁽¹⁾ Measured according to the test cycles and based on the weighting values contained in $\,$ EN12053 $\,$

- (5) Add 32mm with load backrest
- (6) h_6 subject to +/- 5 mm tolerance. 2549mm for Cab option
- (7) Variable

 $\textbf{Spec sheet truck based on:}\ 3000 \text{mm TOF 2 stage LFL mast with } 1980 \text{mm carriage, } 1200 \text{mm forks}$

⁽²⁾ Bottom of forks

⁽³⁾ Full suspension seat in depressed position

⁽⁴⁾ Without load backrest

VDI	219	8 – GENERAL SPECIFICATIONS – VX SERI	ES				
	1.1	Manufacturer			Ya	le	
	1.2	Model designation			GLP :		
	1.2.1	Model		Ba	ise	Value	Productivity
	1.3	Drive			LF	PG .	
	1.3.1	CE Compliance / Emission Standard			Stag	je V	
	1.3.2	Engine			Kubot	a 3.8L	
ب					Electronic 2-Speed		
GENERAL	1.3.3	Transmission		Electronic 2-Speed Powershift	Powershift with Soft Shift Power Reversal	Techtronix 332, 3-Speed	Techtronix 332+, 3-Speed
	1.3.4	Brake Type			Wet B	rakes	1
	1.4	Operator type			Sea		
	1.5	Rated capacity/rated load	Q (t)		7		
	1.6	Load centre distance	c (mm)			10	
	1.8	Load distance, centre of drive axle to fork	x (mm)		60		
	1.9	Wheelbase	y (mm)		22		
╘	2.1	Service weight (w/ std equipment: mast, carriage, forks, etc.)	kg		94		
WEIGHT	2.2	Axle loading, laden front/rear	kg		14803	/ 1652	
×	2.3	Axle loading, unladen front/rear	kg		4016 /		
	3.1	Tyres front/rear	19		Pneui		
	3.2	Tyre size, front			8.25x1		
TYRES	3.3	Tyre size, rear			8.25x1		
Α.	3.5	Number of wheels, front/rear (x = driven wheels)			4X		
-	3.6	Tread, front	b10 (mm)		18		
	3.7	Tread, rear	b ₁₁ (mm)		15:		
	4.1	Tilt of mast/fork carrige, forward α /backward β	α / β (°)		5 /		
	4.2	Height, mast lowered	h ₁ (mm)		25		
i	4.3	Free lift (2)	h ₂ (mm)		10		
	4.4	Lift (2)	h ₃ (mm)		29		
	4.5	Height, mast extended (4)	h4 (mm)		40		
	4.7	Height of overhead guard (cabin) (6)	h ₆ (mm)		25		
	4.7.1	Cab height (open cab)	mm		25		
	4.8	Seat height/stand height (3)	h ₇ (mm)		15		
	4.12	Coupling height	h ₁₀ (mm)		46		
	4.19	Overall length	l ₁ (mm)		48		
Ş	4.20	Length to face of forks	l ₂ (mm)		36		
<u> </u>	4.21	Overall width	b ₁ /b ₂ (mm)		20		
DIMENSIONS	4.22	Fork dimensions	s/e/l (mm)		60 / 150		
Ξ	4.23	Fork carriage DIN 15173, class/type A/B	3/6/1 (11111)		IV		
_	4.24	Fork carriage width (5)	b3 (mm)		19		
	4.31	Ground clearance, laden, below mast	m1 (mm)		12		
	4.32	Ground clearance, centre of wheelbase	m ₂ (mm)		25		
	4.33	Aisle width with pallets 1000 long x 1200 crossways	Ast (mm)		51'		
	4.34	Aisle width with pallets 800 wide x 1200 crossways	Ast (mm)		53		
	4.35	Turning radius (outer)	Wa (mm)		33	88	
	4.36	Inner turning radius	b ₁₃ (mm)		12	71	
	4.41	90° intersecting aisle (With pallet W = 1200mm, L = 1000mm)	mm		29	03	
	4.42	Step Height (from ground to running board)	mm		32		
	4.43	Step Height (between intermediate steps between running board and floor)	mm		25	i6	
	5.1	Travel speed laden/unladen	km/h	22.1	/ 23.2		/ 26.0
览	5.1.1	Travel speed, laden/unladen, backwards	km/h		/ 23.2		1.09
Ā	5.2	Lift speed, laden/unladen (2LFL)	m/sec		0.46 /		
ΣÃ	5.3	Lowering speed, laden/unladen (2LFL)	m/sec		0.58 /		
PERFORMANC	5.5	Drawbar pull, laden/unladen @ 1.6 km/h	kN	33.6	/ 23.6		/ 23.6
PE	5.7	Gradeability, laden/unladen @ 1.6 km/h	%		/ 26		/ 26
	5.10	Service brake			Hydr	aulic	
	7.1	Engine manufacturer/type			Kubota WG		
	7.2	Engine power according to ISO1585	kW		71	.6	
뿌	7.3	Rated speed at max. power	rpm		24	00	
ENGINE	7.3.1	Torque at 1/min	Nm/min-1		285 /	2400	
<u></u>	7.4	Number of cylinders/displacement	(-)/cm3		6 / 4	302	
	7.5	Fuel consumption according VDI cycle	l/hr	7	.9	8	3.1
	7.10	Battery voltage/nominal capacity	(V)/(Ah)		12 /	132	
	8.1	Type of drive unit			Hydrod	ynamic	
	8.2	Manufacturer/Type			DA	NA	
	8.6	Wheel drive/drive axle manufacturer/type			DA	NA	
	8.1	Service brake			Hydr	aulic	
	8.1	Parking Brake			Hand	Lever	
OTHER	10.1	Operating pressure for attachments (nominal relief pressure)	bar		15	5	
Ė	10.2	Oil volume for attachments (nominal) (7)	l/min		83		
_	10.3	Hydraulic Tank - capacity (drain & refill)	litres		71	.7	
	10.7	Sound level at driver's ear according DIN 12053 (without / with cab) (1)	dB (A) LPAZ		81 /	78	
	10.7.1	Sound power level during the drive cycle	dB (A) LWAZ		10	12	
	1	Guaranteed sound power 2001/14/EC	dB (A) LWA		10	17	
	10.7.2	Towing coupling, type DIN	UD (A) ETTA		Pi		

⁽¹⁾ Measured according to the test cycles and based on the weighting values contained in $\,$ EN12053 $\,$

⁽³⁾ Full suspension seat in depressed position

⁽⁴⁾ Without load backrest

VD	219	8 – GENERAL SPECIFICATIONS – VX SERI	ES	
	1.1	Manufacturer		Yale
	1.2	Model designation		GLP 70SVX
	1.2.1	Model		Base Value Productivity
	1.3	Drive		LPG Charalty
	1.3.1	CE Compliance / Emission Standard Engine		Stage V Kubota 3.8L
	1.5.2	Engine		Electronic 2-Speed
GENERAL	1.3.3	Transmission		Electronic 2-Speed Powershift with Techtronix 332, Techtronix 332+, Powershift Soft Shift Power 3-Speed 3-Speed Reversal
	1.3.4	Brake Type		Wet Brakes
	1.4	Operator type		Seated
	1.5	Rated capacity/rated load	Q (t)	7
	1.6	Load centre distance Load distance, centre of drive axle to fork	c (mm) x (mm)	600
	1.9	Wheelbase	y (mm)	2235
F	2.1	Service weight (w/ std equipment: mast, carriage, forks, etc.)	kg	10141
WEIGHT	2.2	Axle loading, laden front/rear	kg	14884 / 2257
₹	2.3	Axle loading, unladen front/rear	kg	4097 / 6044
	3.1	Tyres front/rear		Pneumatic
ις	3.2	Tyre size, front		8.25x15 14PR
IYRES	3.3	Tyre size, rear Number of wheels, front/rear (x = driven wheels)		8.25x15 14PR 4X / 2
-	3.6	Tread, front	b ₁₀ (mm)	1847
	3.7	Tread, rear	b ₁₁ (mm)	1536
	4.1	Tilt of mast/fork carrige, forward $lpha$ /backward eta	α / β (°)	5 / 10
	4.2	Height, mast lowered	h ₁ (mm)	2540
	4.3	Free lift (2)	h ₂ (mm)	100
	4.4	Lift (2)	h ₃ (mm)	2940
	4.5	Height, mast extended (4) Height of overhead guard (cabin) (6)	h4 (mm) h6 (mm)	4040 2549
	4.7.1	Cab height (open cab)	mm	2531
	4.8	Seat height/stand height (3)	h ₇ (mm)	1547
	4.12	Coupling height	h10 (mm)	467
	4.19	Overall length	l1 (mm)	4695
SN	4.20	Length to face of forks	l2 (mm)	3495
DIMENSIONS	4.21	Overall width	b ₁ /b ₂ (mm)	2082
Ξ	4.22	Fork dimensions Fork carriage DIN 15173, class/type A/B	s/e/l (mm)	60 / 150 / 1200 IVA
_	4.24	Fork carriage width (5)	b3 (mm)	1980
	4.31	Ground clearance, laden, below mast	m1 (mm)	125
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	253
	4.33	Aisle width with pallets 1000 long x 1200 crossways	Ast (mm)	4889
	4.34	Aisle width with pallets 800 wide x 1200 crossways	Ast (mm)	5089
	4.35	Turning radius (outer) Inner turning radius	Wa (mm) b ₁₃ (mm)	3080 951
	4.41	90° intersecting aisle (With pallet W = 1200mm, L = 1000mm)	mm	2883
	4.42	Step Height (from ground to running board)	mm	321
	4.43	Step Height (between intermediate steps between running board and floor)	mm	256
	5.1	Travel speed laden/unladen	km/h	22.0 / 23.1 24.5 / 25.9
NCE	5.1.1	Travel speed, laden/unladen, backwards	km/h	22.0 / 23.1
Σ	5.2	Lift speed, laden/unladen (2LFL)	m/sec	0.46 / 0.52
PERFORMAN	5.5	Lowering speed, laden/unladen (2LFL) Drawbar pull, laden/unladen @ 1.6 km/h	m/sec kN	0.58 / 0.53
뗥	5.7	Gradeability, laden/unladen @ 1.6 km/h	%	20 / 25 27 / 25
_	5.10	Service brake		Hydraulic
	7.1	Engine manufacturer/type		Kubota WG3800-L-E3
	7.2	Engine power according to ISO1585	kW	71.6
ENGINE	7.3	Rated speed at max. power	rpm	2400
ENG ENG	7.3.1 7.4	Torque at 1/min Number of cylinders/displacement	Nm/min-1 (-)/cm3	285 / 2400 6 / 4302
	7.5	Fuel consumption according VDI cycle	l/hr	8.3
	7.10	Battery voltage/nominal capacity	(V)/(Ah)	12 / 132
	8.1	Type of drive unit		Hydrodynamic
1	8.2	Manufacturer/Type		DANA
1	8.6 8.1	Wheel drive/drive axle manufacturer/type		DANA Hydraulic
	8.1	Service brake Parking Brake		Hand Lever
쯢	10.1	Operating pressure for attachments (nominal relief pressure)	bar	155
OTHER	10.2	Oil volume for attachments (nominal) (7)	l/min	83.3
-	10.3	Hydraulic Tank - capacity (drain & refill)	litres	71.7
	10.7	Sound level at driver's ear according DIN 12053 (without / with cab) (1)	dB (A) LPAZ	81 / 78
	10.7.1	Sound power level during the drive cycle	dB (A) LWAZ	102
	10.7.2	Guaranteed sound power 2001/14/EC Towing coupling, type DIN	dB (A) LWA	107 Pin
	10.0	Towning coupling, type bin		FIII

⁽⁶⁾ h $_{6}$ subject to $\,$ +/- $\,$ 5 mm tolerance. 2549mm for Cab option

 $\textbf{Spec sheet truck based on:}\ 3000 \text{mm TOF 2 stage LFL mast with } 1980 \text{mm carriage, } 1200 \text{mm forks}$

⁽⁷⁾ Variable

	1.1	Manufacturer			Ya	ile	
	1.2	Model designation			GLP 7		
	1.2.1	Model		Ba	ise	Value	Productivit
	1.3	Drive				PG	110000000
	1.3.1	CE Compliance / Emission Standard			Sta		
	1.3.2	Engine			Kubot	-	
GENERAL	1.3.3	Transmission		Electronic 2 Speed Powershift	Electronic 2 Speed Powershift with Soft Shift Power Reversal	Techtronix 332 3 Speed	Techtronix 3: 3 Speed
	1.3.4	Brake Type			Wet B	rakes	'
	1.4	Operator type			Sea	ited	
	1.5	Rated capacity/rated load	Q (t)			6	
	1.6	Load centre distance	c (mm)		90	00	
	1.8	Load distance, centre of drive axle to fork	x (mm)		60	09	
	1.9	Wheelbase	y (mm)		22	35	
=	2.1	Service weight (w/ std equipment: mast, carriage, forks, etc.)	kg		118	384	
WEIGH	2.2	Axle loading, laden front/rear	kg		16639	/ 2337	
	2.3	Axle loading, unladen front/rear	kg		4783	/ 7101	
	3.1	Tyres front/rear			Pneu	matic	
	3.2	Tyre size, front			8.25x1	5 14PR	
3	3.3	Tyre size, rear			8.25x1	5 14PR	
_	3.5	Number of wheels, front/rear (x = driven wheels)			4X	/ 2	
	3.6	Tread, front	b10 (mm)		18	47	
	3.7	Tread, rear	b11 (mm)		15	36	
	4.1	Tilt of mast/fork carrige, forward $lpha$ /backward eta	α/β(°)		5 /	/ 9	
	4.2	Height, mast lowered	h1 (mm)		27	'12	
	4.3	Free lift (2)	h ₂ (mm)		()	
	4.4	Lift (2)	h ₃ (mm)		30	00	
	4.5	Height, mast extended (4)	h4 (mm)		42	25	
	4.7	Height of overhead guard (cabin) (6)	h ₆ (mm)		25	49	
	4.7.1	Cab height (open cab)	mm		25	31	
	4.8	Seat height/stand height (3)	h ₇ (mm)		15	47	
	4.12	Coupling height	h10 (mm)		4	67	
	4.19	Overall length	l1 (mm)		47	70	
2	4.20	Length to face of forks	l ₂ (mm)		35	70	
DIMENSIONS	4.21	Overall width	b ₁ /b ₂ (mm)		20	82	
	4.22	Fork dimensions	s/e/l (mm)		60 / 150	0 / 1200	
<u> </u>	4.23	Fork carriage DIN 15173, class/type A/B			IV	/A	
	4.24	Fork carriage width (5)	b3 (mm)		19	80	
	4.31	Ground clearance, laden, below mast	m1 (mm)		12	25	
	4.32	Ground clearance, centre of wheelbase	m ₂ (mm)		25	53	
	4.33	Aisle width with pallets 1000 long x 1200 crossways	Ast (mm)		49	59	
	4.34	Aisle width with pallets 800 wide x 1200 crossways	Ast (mm)		51	59	
	4.35	Turning radius (outer)	Wa (mm)		31	45	
	4.36	Inner turning radius	b13 (mm)		9!	51	
	4.41	90° intersecting aisle (With pallet W = 1200mm, L = 1000mm)	mm		28	83	
	4.42	Step Height (from ground to running board)	mm		32	21	
	4.43	Step Height (between intermediate steps between running board and floor)	mm		25	56	
	5.1	Travel speed laden/unladen	km/h	21.9	/ 23.1	24.	3 / 25.8
2	5.1.1	Travel speed, laden/unladen, backwards	km/h	21.9	/ 23.1	21	.9 / 23.1
Í	5.2	Lift speed, laden/unladen (2LFL)	m/sec			0.36	
	5.3	Lowering speed, laden/unladen (2LFL)	m/sec		0.41	0.37	
TENTONMANCE	5.5	Drawbar pull, laden/unladen @ 1.6 km/h	kN	33.1	/ 28.1	44	.5 / 28.1
Ĭ	5.7	Gradeability, laden/unladen @ 1.6 km/h	%	18	/ 25	2	5 / 25
	5.10	Service brake			Hydr	aulic	
	7.1	Engine manufacturer/type			Kubota WG	3800-L-E3	
	7.2	Engine power according to ISO1585	kW		71	1.6	
<u> </u>	7.3	Rated speed at max. power	rpm		24	.00	
	7.3.1	Torque at 1/min	Nm/min-1		285 /	2400	
ī	7.4	Number of cylinders/displacement	(-)/cm3			302	
	7.5	Fuel consumption according VDI cycle	l/hr	6	.8	8.1	6.7
	7.10	Battery voltage/nominal capacity	(V)/(Ah)		12 /	132	
	8.1	Type of drive unit			Hydrod	lynamic	
	8.2	Manufacturer/Type				NA	
	8.6	Wheel drive/drive axle manufacturer/type			DA	NA	
	8.1	Service brake			Hydr	aulic	
	8.1	Parking Brake			Hand	Lever	
O I I	10.1	Operating pressure for attachments (nominal relief pressure)	bar		15	55	
5	10.2	Oil volume for attachments (nominal) (7)	l/min			3.3	
	10.3	Hydraulic Tank - capacity (drain & refill)	litres		71	1.7	
	10.7	Sound level at driver's ear according DIN 12053 (without / with cab) (1)	dB (A) LPAZ		80		77
	10.7.1	Sound power level during the drive cycle	dB (A) LWAZ	1	02		101

⁽¹⁾ Measured according to the test cycles and based on the weighting values contained in $\,$ EN12053 $\,$

⁽³⁾ Full suspension seat in depressed position

⁽⁴⁾ Without load backrest

VDI	219	8 – GENERAL SPECIFICATIONS – VX SERI	ES				
	1.1	Manufacturer			Yal	le	
	1.2	Model designation			GLP 8		ı
	1.2.1	Model		Ba		Value	Productivity
	1.3	Drive			LP		
l	1.3.1	CE Compliance / Emission Standard Engine			Stag Kubota		
	1.3.2	Lingine			Electronic 2-Speed	3.0L	
GENERAL	1.3.3	Transmission		Electronic 2-Speed Powershift	Powershift with Soft Shift Power Reversal	Techtronix 332, 3-Speed	Techtronix 332+, 3-Speed
	1.3.4	Brake Type			Wet Br	akes	
	1.4	Operator type			Sea		
	1.5	Rated capacity/rated load	Q (t)		8		
	1.6	Load centre distance	c (mm)		60		
	1.8	Load distance, centre of drive axle to fork Wheelbase	y (mm)		61 223		
-	2.1	Service weight (w/ std equipment: mast, carriage, forks, etc.)	kg		114		
WEIGHT	2.2	Axle loading, laden front/rear	kg		16955		
×	2.3	Axle loading, unladen front/rear	kg		4654 /		
	3.1	Tyres front/rear			Pneur		
ı	3.2	Tyre size, front			8.25x15	14PR	
TYRES	3.3	Tyre size, rear			8.25x15	14PR	
Ē	3.5	Number of wheels, front/rear (x = driven wheels)			4X /	/ 2	
	3.6	Tread, front	b ₁₀ (mm)		184		
	3.7	Tread, rear	b ₁₁ (mm)		153		
I	4.1	Tilt of mast/fork carrige, forward α /backward β	α / β (°)		5 /		
	4.2	Height, mast lowered Free lift (2)	h ₁ (mm) h ₂ (mm)		271		
ŀ	4.4	Lift (2)	h ₃ (mm)		300		
	4.5	Height, mast extended (4)	h4 (mm)		422		
ı	4.7	Height of overhead guard (cabin) (6)	h ₆ (mm)		254		
İ	4.7.1	Cab height (open cab)	mm		253	31	
I	4.8	Seat height/stand height (3)	h ₇ (mm)		154	47	
l	4.12	Coupling height	h ₁₀ (mm)		46		
'n	4.19	Overall length	l ₁ (mm)		477		
DIMENSIONS	4.20	Length to face of forks	l ₂ (mm)		357		
SN	4.21	Overall width Fork dimensions	b1/b2 (mm) s/e/l (mm)		208		
¥	4.22	Fork carriage DIN 15173, class/type A/B	S/e/t (IIIII)		60 / 150 IV		
_	4.24	Fork carriage width (5)	b3 (mm)		198		
İ	4.31	Ground clearance, laden, below mast	m1 (mm)		12		
ı	4.32	Ground clearance, centre of wheelbase	m ₂ (mm)		25	3	
l	4.33	Aisle width with pallets 1000 long x 1200 crossways	Ast (mm)		495	59	
	4.34	Aisle width with pallets 800 wide x 1200 crossways	Ast (mm)		515		
	4.35	Turning radius (outer)	Wa (mm)		314		
l	4.36	Inner turning radius	b ₁₃ (mm)		95		
l	4.41	90° intersecting aisle (With pallet W = 1200mm, L = 1000mm) Step Height (from ground to running board)	mm		288 32		
	4.43	Step Height (between intermediate steps between running board and floor)	mm		25		
	5.1	Travel speed laden/unladen	km/h	21.9 /			/ 25.8
병	5.1.1	Travel speed, laden/unladen, backwards	km/h	21.9 /			/ 23.1
N N	5.2	Lift speed, laden/unladen (2LFL)	m/sec		0.36 /	0.36	
Š	5.3	Lowering speed, laden/unladen (2LFL)	m/sec		0.41 /	0.37	
PERFORMANC	5.5	Drawbar pull, laden/unladen @ 1.6 km/h	kN	33.1 /			/ 27.4
2	5.7	Gradeability, laden/unladen @ 1.6 km/h	%	18 /			/ 25
	5.10	Service brake			Hydra Livit - t- WC		
l	7.1 7.2	Engine manufacturer/type Engine power according to ISO1585	kW		Kubota WG: 71.		
ш	7.2	Rated speed at max. power	rpm		240		
ENGINE	7.3.1	Torque at 1/min	Nm/min-1		285 / :		
ᇳ	7.4	Number of cylinders/displacement	(-)/cm3		6/4		
	7.5	Fuel consumption according VDI cycle	l/hr	9.	9	10	0.2
	7.10	Battery voltage/nominal capacity	(V)/(Ah)		12 /		
	8.1	Type of drive unit			Hydrody		
	8.2	Manufacturer/Type Wheel drive/drive axle manufacturer/type			AND AND		
	8.1	Wheel drive/drive axle manufacturer/type Service brake			Hydra		
	8.1	Parking Brake			Hand I		
8	10.1	Operating pressure for attachments (nominal relief pressure)	bar		15		
OTHER	10.2	Oil volume for attachments (nominal) (7)	l/min		83.		
	10.3	Hydraulic Tank - capacity (drain & refill)	litres		71.		
	10.7	Sound level at driver's ear according DIN 12053 (without / with cab) (1)	dB (A) LPAZ		81 /		
	10.7.1	Sound power level during the drive cycle	dB (A) LWAZ		10		
	10.7.2	Guaranteed sound power 2001/14/EC	dB (A) LWA		10		
	10.8	Towing coupling, type DIN			Pi	n	

⁽⁶⁾ h_6 subject to \pm /- 5 mm tolerance. 2549mm for Cab option

 $\textbf{Spec sheet truck based on:}\ 3000 \text{mm TOF 2 stage LFL mast with 1980mm carriage, }1200 \text{mm forks}$

⁽⁷⁾ Variable

		8 – GENERAL SPECIFICATIONS – VX SERI	ES					
	1.1	Manufacturer			Yale			
	1.2	Model designation			OP 60VX	_		
	1.2.1	Model		Base	Value	Base	Val	lue
	1.3	Drive CE Compliance / Emission Standard			Diesel	Cto	ge V	
	1.3.1	Engine		Stage IIIA Kubota 3.6L		Kubota 3.6	_	ort
	1.3.2	Lingine					Non-ce	SI L
GENERAL	1.3.3	Transmission			tronix 332, -Speed	Electronic 2-Speed Powershift with Soft Shift Power Reversal	Techtro 3-Sp	nix 33: peed
	1.3.4	Brake Type		. We	et Brakes	1	'	
	1.4	Operator type			Seated			
	1.5	Rated capacity/rated load	Q (t)		6			
	1.6	Load centre distance	c (mm)		600			
	1.8	Load distance, centre of drive axle to fork	x (mm)		609			
	1.9	Wheelbase	y (mm)		2235			
노	2.1	Service weight (w/ std equipment: mast, carriage, forks, etc.)	kg		8994			
WEIGHT	2.2	Axle loading, laden front/rear	kg		28 / 1468			
≥	2.3	Axle loading, unladen front/rear	kg		72 / 4822			
	3.1	Tyres front/rear			eumatic			
S	3.2	Tyre size, front			5x15 14PR			
TYRES	3.3	Tyre size, rear		8.29	5x15 14PR			
₽	3.5	Number of wheels, front/rear (x = driven wheels)			4X / 2			
	3.6	Tread, front	b10 (mm)		1847			
	3.7	Triat of most (fock corrige forward or /hackward 6	b ₁₁ (mm)		1536			
	4.1	Tilt of mast/fork carrige, forward α /backward β	α / β (°)		5 / 10			
	4.2	Height, mast lowered Free lift (2)	h ₁ (mm) h ₂ (mm)		2540 100			
	4.4	Lift (2)	h ₃ (mm)		2940			
	4.4	Height, mast extended (4)	h ₄ (mm)		4040			
	4.7	Height of overhead guard (cabin) (6)	h ₆ (mm)		2549			
	4.7.1	Cab height (open cab)	mm		2531			
	4.8	Seat height/stand height (3)	h ₇ (mm)		1547			
	4.12	Coupling height	h10 (mm)		467			
	4.19	Overall length	l ₁ (mm)		4813			
S	4.20	Length to face of forks	l ₂ (mm)		3613			
DIMENSIONS	4.21	Overall width	b ₁ /b ₂ (mm)		2082			
ž	4.22	Fork dimensions	s/e/l (mm)	60 /	150 / 1200			
Ξ	4.23	Fork carriage DIN 15173, class/type A/B			IVA			
_	4.24	Fork carriage width (5)	b3 (mm)		1980			
	4.31	Ground clearance, laden, below mast	m1 (mm)		160			
	4.32	Ground clearance, centre of wheelbase	m2 (mm)		1876			
	4.33	Aisle width with pallets 1000 long x 1200 crossways	Ast (mm)		125			
	4.34	Aisle width with pallets 800 wide x 1200 crossways	Ast (mm)		253			
	4.35	Turning radius (outer)	Wa (mm)		5129			
	4.36	Inner turning radius	b13 (mm)		5329			
	4.41	90° intersecting aisle (With pallet W = 1200mm, L = 1000mm)	mm		3320			
	4.42	Step Height (from ground to running board)	mm		1271			
	4.43	Step Height (between intermediate steps between running board and floor)			2872			
pı.	5.1	Travel speed laden/unladen	km/h	23.7 / 25.2 26.		22.7 23.9	24.7	26.0
ä	5.1.1	Travel speed, laden/unladen, backwards	km/h	23.7 / 25.2 23.		22.7 23.9	20.5	21.7
₹	5.2	Lift speed, laden/unladen (2LFL)	m/sec		46 / 0.52			
ë	5.3	Lowering speed, laden/unladen (2LFL)	m/sec		58 / 0.53	Luglace		
PERFORMANCE	5.5	Drawbar pull, laden/unladen @ 1.6 km/h	kN	39.4 24.5 39.4 24.5 46.		46.7 24.5	51.2	24.5
Δ.	5.7 5.10	Gradeability, laden/unladen @ 1.6 km/h Service brake	%	27 / 29		/ 29	37	29
	7.1	Engine manufacturer/type		Kubota V3600	ydraulic	Kuhata	V3800	
	7.1	Engine power according to IS01585	kW	62.3			1.5	
ш	7.2	Rated speed at max. power	rpm	02.3	2400	01		
ENGINE	7.3.1	Torque at 1/min	Nm/min-1	29	6 / 1600			
Ž	7.4	Number of cylinders/displacement	(-)/cm3	4 / 3620		4/3	3769	
	7.5	Fuel consumption according VDI cycle	l/hr	6.8		7.3		.5
	7.10	Battery voltage/nominal capacity	(V)/(Ah)		2 / 210			
	8.1	Type of drive unit			rodynamic			
	8.2	Manufacturer/Type			DANA			
	8.6	Wheel drive/drive axle manufacturer/type			DANA			
	8.1	Service brake		Н	ydraulic			
	8.1	Parking Brake		Ha	nd Lever			
	10.1	Operating pressure for attachments (nominal relief pressure)	bar		155			
2	10.2	Oil volume for attachments (nominal) (7)	l/min		83.3			
THER		Hydraulic Tank - capacity (drain & refill)	litres		71.7			
OTHER	10.3							
ОТНЕВ	10.3 10.4	Fuel Tank - Capacity			74.8			
OTHER	10.3 10.4 10.7	Fuel Tank - Capacity Sound level at driver's ear according DIN 12053 (without / with cab) (1)	dB (A) LPAZ		74.8 80 / 80			
ОТНЕВ	10.3 10.4 10.7 10.7.1	Fuel Tank - Capacity		102		101		

⁽¹⁾ Measured according to the test cycles and based on the weighting values contained in EN12053 $\,$

⁽³⁾ Full suspension seat in depressed position

⁽⁴⁾ Without load backrest

VD	219	8 – GENERAL SPECIFICATIONS – VX SERI	ES	
	1.1	Manufacturer		Yale
	1.2	Model designation		GDP 70VX
	1.2.1	Model Drive		Base Value Base Value Diesel
	1.3.1	CE Compliance / Emission Standard		Stage IIIA Stage V
	1.3.2	Engine		Kubota 3.6L Kubota 3.6L Non-Cert
GENERAL	1.3.3	Transmission		Electronic 2-Speed Powershift Soft Shift Power Reversal Electronic 2-Speed Powershift Soft Shift Power Reversal Electronic 2-Speed Powershift with Soft Shift Power Reversal Techtronix 332, 3-Speed 3-Speed Techtronix 332, 3-Speed Reversal
	1.3.4	Brake Type		Wet Brakes
	1.4	Operator type		Seated
	1.5	Rated capacity/rated load	Q (t)	7
	1.6	Load centre distance Load distance, centre of drive axle to fork	c (mm) x (mm)	600
	1.9	Wheelbase	y (mm)	2235
누	2.1	Service weight (w/ std equipment: mast, carriage, forks, etc.)	kg	9505
WEIGHT	2.2	Axle loading, laden front/rear	kg	14828 / 1677
≥	2.3	Axle loading, unladen front/rear	kg	4041 / 5464
	3.1	Tyres front/rear		Pneumatic
S	3.3	Tyre size, front Tyre size, rear		8.25x15 14PR 8.25x15 14PR
TYRES	3.5	Number of wheels, front/rear (x = driven wheels)		4X / 2
-	3.6	Tread, front	b10 (mm)	1847
	3.7	Tread, rear	b ₁₁ (mm)	1536
	4.1	Tilt of mast/fork carrige, forward α /backward β Height, mast lowered	α / β (°) h ₁ (mm)	5 / 10 2540
	4.2	Free lift (2)	h ₂ (mm)	100
	4.4	Lift (2)	h ₃ (mm)	2940
İ	4.5	Height, mast extended (4)	h4 (mm)	4040
	4.7	Height of overhead guard (cabin) (6)	h ₆ (mm)	2549
	4.7.1	Cab height (open cab)	mm	2531
	4.8	Seat height/stand height (3) Coupling height	h ₇ (mm) h ₁₀ (mm)	1547 467
	4.12	Overall length	lı (mm)	4877
SN	4.20	Length to face of forks	l ₂ (mm)	3677
DIMENSIONS	4.21	Overall width	b ₁ /b ₂ (mm)	2082
Ā	4.22	Fork dimensions	s/e/l (mm)	60 / 150 / 1200
	4.23	Fork carriage DIN 15173, class/type A/B Fork carriage width (5)	b3 (mm)	IVA 1980
	4.24	Ground clearance, laden, below mast	m ₁ (mm)	160
	4.32	Ground clearance, centre of wheelbase	m ₂ (mm)	1876
	4.33	Aisle width with pallets 1000 long x 1200 crossways	Ast (mm)	125
	4.34	Aisle width with pallets 800 wide x 1200 crossways	Ast (mm)	253
	4.35	Turning radius (outer)	Wa (mm)	5197
	4.36	Inner turning radius 90° intersecting aisle (With pallet W = 1200mm, L = 1000mm)	b ₁₃ (mm) mm	5397 3388
	4.42	Step Height (from ground to running board)	mm	1271
	4.43	Step Height (between intermediate steps between running board and floor)	mm	2903
	5.1	Travel speed laden/unladen	km/h	23.5 21.7 23.5 23.9 26.5 23.6 22.6 26.0 24.5 23.6
Š	5.1.1	Travel speed, laden/unladen, backwards	km/h	23.5 21.7 23.5 23.9 23.5 21.7 22.6 21.7 20.4 21.7
Σ×	5.2	Lift speed, laden/unladen (2LFL) Lowering speed, laden/unladen (2LFL)	m/sec m/sec	0.40 / 0.46 0.46 0.52 0.46 0.52 0.52 0.52 0.52 0.52 0.52 0.53 0.5
PERFORMANCE	5.5	Drawbar pull, laden/unladen @ 1.6 km/h	kN	39.2 / 23.8 37.1 23.8 46.7 23.8 51.2 23.8
Ä	5.7	Gradeability, laden/unladen @ 1.6 km/h	%	25/ 26 24 26 30 26 33 26
	5.10	Service brake		Hydraulic
	7.1	Engine manufacturer/type	I/W	Kubota V3600 Kubota V3800
ш	7.2 7.3	Engine power according to ISO1585 Rated speed at max. power	kW	62.3 81.5
ENGINE	7.3.1	Torque at 1/min	Nm/min-1	296 / 1600
ä	7.4	Number of cylinders/displacement	(-)/cm3	4 / 3620 4 / 3769
	7.5	Fuel consumption according VDI cycle	l/hr	7.683122301 9.1 8.1 8.4
	7.10	Battery voltage/nominal capacity	(V)/(Ah)	12 / 210
	8.1	Type of drive unit Manufacturer/Type		Hydrodynamic DANA
	8.6	Wheel drive/drive axle manufacturer/type		DANA
	8.1	Service brake		Hydraulic
	8.1	Parking Brake		Hand Lever
OTHER	10.1 10.2	Operating pressure for attachments (nominal relief pressure) Oil volume for attachments (nominal) (7)	bar l/min	155 83.3
Ė	10.2	Hydraulic Tank - capacity (drain & refill)	litres	71.7
	10.4	Fuel Tank - Capacity		74.8
	10.7	Sound level at driver's ear according DIN 12053 (without / with cab) (1)	dB (A) LPAZ	80 / 80
	10.7.1	Sound power level during the drive cycle	dB (A) LWAZ	102 101
	10.7.2	Guaranteed sound power 2001/14/EC Towing coupling, type DIN	dB (A) LWA	106 Pin
	10.0	Towning coupling, type DIN		I rill

⁽⁶⁾ h6 subject to +/- 5 mm tolerance. 2549mm for Cab option

Spec sheet truck based on: 3000mm T0F 2 stage LFL mast with 1980mm carriage, 1200mm forks

		8 – GENERAL SPECIFICATIONS – VX SERI						
	1.1	Manufacturer				Yale		
	1.2	Model designation				GDP 70SVX	1	1
	1.2.1	Model		Ba	se	Value	Base	Value
	1.3	Drive			C	Diesel		
	1.3.1	CE Compliance / Emission Standard			Stage IIIA Kubota 3.6L			ige V SL Non-Cert
	1.3.2	Engine						L Non-Cert
GENERAL	1.3.3	Transmission		Electronic 2-Speed Powershift	Electronic 2-Speed Powershift with Soft Shift Power Reversal	Techtronix 332, 3-Speed	Electronic 2-Speed Powershift with Soft Shift Power Reversal	Techtronix 33 3-Speed
	1.3.4	Brake Type				Wet Brakes		1
	1.4	Operator type				Seated		
	1.5	Rated capacity/rated load	Q (t)			7		
	1.6	Load centre distance	c (mm)			600		
	1.8	Load distance, centre of drive axle to fork	x (mm)			609		
_	1.9	Wheelbase	y (mm)			2235		
WEIGHT	2.1	Service weight (w/ std equipment: mast, carriage, forks, etc.)	kg			10191		
ĕ	2.2	Axle loading, laden front/rear Axle loading, unladen front/rear	kg kg			14909 / 2282 4122 / 6069		
_	3.1	Tyres front/rear	l Ng			Pneumatic		
	3.2	Tyre size, front				8.25x15 14PR		
ES	3.3	Tyre size, rear				8.25x15 14PR		
TYRES	3.5	Number of wheels, front/rear (x = driven wheels)				4X / 2		
•	3.6	Tread, front	b10 (mm)			1847		
	3.7	Tread, rear	b ₁₁ (mm)			1536		
	4.1	Tilt of mast/fork carrige, forward α /backward β	α/β(°)			5 / 10		
	4.2	Height, mast lowered	h1 (mm)			2540		
	4.3	Free lift (2)	h ₂ (mm)			100		
	4.4	Lift (2)	h ₃ (mm)			2940		
	4.5 4.7	Height, mast extended (4) Height of overhead guard (cabin) (6)	h4 (mm) h6 (mm)			4040 2549		
	4.7.1	Cab height (open cab)	mm			2549		
	4.8	Seat height/stand height (3)	h ₇ (mm)			1547		
	4.12	Coupling height	h ₁₀ (mm)			467		
	4.19	Overall length	l ₁ (mm)			4695		
DIMENSIONS	4.20	Length to face of forks	l ₂ (mm)			3495		
댨	4.21	Overall width	b1/b2 (mm)			2082		
É	4.22	Fork dimensions	s/e/l (mm)			60 / 150 / 1200		
夁	4.23	Fork carriage DIN 15173, class/type A/B				IVA		
	4.24	Fork carriage width (5)	b ₃ (mm)			1980		
	4.31	Ground clearance, laden, below mast Ground clearance, centre of wheelbase	m ₁ (mm) m ₂ (mm)			160 1876		
	4.33	Aisle width with pallets 1000 long x 1200 crossways	Ast (mm)			125		
	4.34	Aisle width with pallets 800 wide x 1200 crossways	Ast (mm)			253		
	4.35	Turning radius (outer)	Wa (mm)			4889		
	4.36	Inner turning radius	b13 (mm)			5089		
	4.41	90° intersecting aisle (With pallet W = 1200mm, L = 1000mm)	mm			3080		
	4.42	Step Height (from ground to running board)	mm			951		
	4.43					2883		
ш	5.1	Travel speed laden/unladen	km/h		/ 26	26.3 28.3	21.6 22.5	23.5 24.
ž	5.1.1	Travel speed, laden/unladen, backwards	km/h	24.3		24.3 24.3	21.6 22.5	21.6 20.
ΜĀ	5.2	Lift speed, laden/unladen (2LFL) Lowering speed, laden/unladen (2LFL)	m/sec m/sec		0.40 / 0.46 0.58 / 0.53			/ 0.46 / 0.58
Ğ	5.5	Drawbar pull, laden/unladen (2LFL)	kN	37.8 /		46.7 24.3	24.3 46.7	24.3 51.
PERFORMANCE	5.7	Gradeability, laden/unladen @ 1.6 km/h	%		25	29 25	25 29	25 32
_	5.10	Service brake		207		Hydraulic		
	7.1	Engine manufacturer/type			Kubota V3600		Kubota	a V3800
	7.2	Engine power according to IS01585	kW		62.3		8	1.5
빌	7.3	Rated speed at max. power	rpm			2400		
ENGINE	7.3.1	Torque at 1/min	Nm/min-1		,	296 / 1600		0.00
ш	7.4	Number of cylinders/displacement	(-)/cm3	0.4001	4 / 3620	0.7		3769
	7.5 7.10	Fuel consumption according VDI cycle Battery voltage/nominal capacity	l/hr (V)/(Ah)	8.1394	42137	9.7 12 / 210	8.5	8.3
	8.1	Type of drive unit	(V)/(AII)			Hydrodynamic		
	8.2	Manufacturer/Type				DANA		
	8.6	Wheel drive/drive axle manufacturer/type				DANA		
	8.1	Service brake				Hydraulic		
	8.1	Parking Brake				Hand Lever		
2	10.1	Operating pressure for attachments (nominal relief pressure)	bar			155		
OTHER	10.2	Oil volume for attachments (nominal) (7)	l/min			83.3		
0	10.3	Hydraulic Tank - capacity (drain & refill)	litres			71.7		
	10.4	Fuel Tank - Capacity	dD (A) DA 7			74.8		
	10.7	Sound level at driver's ear according DIN 12053 (without / with cab) (1)	dB (A) LPAZ dB (A) LWAZ	10	12	80 / 80	101	
	10./.1	Sound power level during the drive cycle	UD (A) LWAZ	1	14		101	
	10.7.2	Guaranteed sound power 2001/14/EC	dB (A) LWA			106		

⁽¹⁾ Measured according to the test cycles and based on the weighting values contained in EN12053 $\,$

⁽³⁾ Full suspension seat in depressed position

⁽⁴⁾ Without load backrest

VD	219	8 – GENERAL SPECIFICATIONS – VX SERI	ES		
	1.1	Manufacturer		Yale	
	1.2	Model designation		GDP 70SVX9	1
	1.2.1	Model Drive		Base Value Base Diesel	Value
	1.3.1	CE Compliance / Emission Standard		Stage IIIA	Stage V
	1.3.2	Engine		-	3.6L Non-Cert
۱.,				Electronic Electronic	:
GENERAL	1.3.3	Transmission		Electronic 2-Speed Powershift with Powershift Soft Shift Power Reversal Techtronix 332, 3-Speed Powershift Soft Shift Power Reversal	
	1.3.4	Brake Type		Wet Brakes	
	1.4	Operator type	0 (1)	Seated	
	1.5	Rated capacity/rated load Load centre distance	Q (t) c (mm)	7 900	
	1.8	Load distance, centre of drive axle to fork	x (mm)	614	
	1.9	Wheelbase	y (mm)	2235	
토	2.1	Service weight (w/ std equipment: mast, carriage, forks, etc.)	kg	11884	
WEIGHT	2.2	Axle loading, laden front/rear	kg	16639 / 2337	
>	2.3	Axle loading, unladen front/rear	kg	4783 / 7101	
	3.1	Tyres front/rear Tyre size, front		Pneumatic 8.25x15 14PR	
ES	3.3	Tyre size, rear		8.25x15 14PR	
TYRES	3.5	Number of wheels, front/rear (x = driven wheels)		4X / 2	
-	3.6	Tread, front	b10 (mm)	1847	
	3.7	Tread, rear	b ₁₁ (mm)	1536	
1	4.1	Tilt of mast/fork carrige, forward α /backward β Height, mast lowered	α / β (°)	5 / 9	
	4.2	Free lift (2)	h ₁ (mm) h ₂ (mm)	2712	
	4.4	Lift (2)	h ₃ (mm)	3000	
	4.5	Height, mast extended (4)	h4 (mm)	4225	
	4.7	Height of overhead guard (cabin) (6)	h ₆ (mm)	2549	
	4.7.1	Cab height (open cab)	mm	2531	
	4.8	Seat height/stand height (3)	h ₇ (mm)	1547	
	4.12 4.19	Coupling height Overall length	h10 (mm) l1 (mm)	467 4770	
SN	4.20	Length to face of forks	l ₂ (mm)	3570	
DIMENSIONS	4.21	Overall width	b ₁ /b ₂ (mm)	2082	
Ä	4.22	Fork dimensions	s/e/l (mm)	60 / 150 / 1200	
冒	4.23	Fork carriage DIN 15173, class/type A/B		IVA	
	4.24	Fork carriage width (5) Ground clearance, laden, below mast	b ₃ (mm) m ₁ (mm)	1980 160	
	4.32	Ground clearance, centre of wheelbase	m ₂ (mm)	1876	
	4.33	Aisle width with pallets 1000 long x 1200 crossways	Ast (mm)	125	
	4.34	Aisle width with pallets 800 wide x 1200 crossways	Ast (mm)	253	
	4.35	Turning radius (outer)	Wa (mm)	4959	
	4.36	Inner turning radius	b ₁₃ (mm)	5159	
	4.41	90° intersecting aisle (With pallet W = 1200mm, L = 1000mm) Step Height (from ground to running board)	mm	3145 951	
	4.43	Step Height (between intermediate steps between running board and floor)	mm	2883	
	5.1	Travel speed laden/unladen	km/h		.7 24.3 25.8
PERFORMANCE	5.1.1	Travel speed, laden/unladen, backwards	km/h	24 / 25.8 24.0 24.0 22.3 23	
ΣĀ	5.2	Lift speed, laden/unladen (2LFL)	m/sec		.44 / 0.45
ä	5.3 5.5	Lowering speed, laden/unladen (2LFL)	m/sec	0.41 / 0.37 37.4 / 28.1 46.7 / 28.1	51.2 28.1
i i	5.7	Drawbar pull, laden/unladen @ 1.6 km/h Gradeability, laden/unladen @ 1.6 km/h	kN %	37.4 / 28.1 46.7 / 28.1 21 / 25 26 / 25	51.2 28.1 29 25
-	5.10	Service brake	70	Hydraulic	27 25
	7.1	Engine manufacturer/type			oota V3800
	7.2	Engine power according to ISO1585	kW	62.3	81.5
ENGINE	7.3	Rated speed at max. power	rpm	2400	
S.	7.3.1 7.4	Torque at 1/min	Nm/min-1 (-)/cm3	296 / 1600 4 / 3620	4 / 3769
	7.4	Number of cylinders/displacement Fuel consumption according VDI cycle	l/hr	9.378024557 11.1 9.7	10.1
L	7.10	Battery voltage/nominal capacity	(V)/(Ah)	12 / 210	
	8.1	Type of drive unit		Hydrodynamic	
1	8.2	Manufacturer/Type		DANA	
1	8.6	Wheel drive/drive axle manufacturer/type		DANA	
1	8.1	Service brake Parking Brake		Hydraulic Hand Lever	
~	10.1	Operating pressure for attachments (nominal relief pressure)	bar	155	
OTHER	10.2	Oil volume for attachments (nominal) (7)	l/min	83.3	
Ö	10.3	Hydraulic Tank - capacity (drain & refill)	litres	71.7	
	10.4	Fuel Tank - Capacity	dD (A) L DAZ	74.8	
	10.7	Sound level at driver's ear according DIN 12053 (without / with cab) (1) Sound power level during the drive cycle	dB (A) LPAZ dB (A) LWAZ	80 / 80	
		Guaranteed sound power 2001/14/EC	dB (A) LWAZ	102	
	10.7.2	Towing coupling, type DIN	, ,,	Pin	
		 			

⁽⁶⁾ h6 subject to +/- 5 mm tolerance. 2549mm for Cab option

Spec sheet truck based on: 3000mm T0F 2 stage LFL mast with 1980mm carriage, 1200mm forks

V P	I 219	8 – GENERAL SPECIFICATIONS – VX SERI	ES				
	1.1	Manufacturer			Yale		
	1.2	Model designation			GDP 80SVX		
	1.2.1	Model		Base	Value	Base	Value
	1.3	Drive CE Compliance / Emission Standard			Diesel		
	1.3.1	Engine Emission Standard		Kubota 3.6L	Stage IIIA	Kubota 3 6	L Non-Cert
	1.5.2	Lingine		Electronic			L Non-cert
GENERAL	1.3.3	Transmission		Electronic 2-Speed Powershift with Soft Shift Power Reversal	Techtronix 332, 3-Speed	Electronic 2-Speed Powershift with Soft Shift Power Reversal	Techtronix 33 3-Speed
	1.3.4	Brake Type		'	Wet Brakes		1
	1.4	Operator type			Seated		
	1.5	Rated capacity/rated load	Q (t)		8		
	1.6	Load centre distance	c (mm)		600		
	1.8	Load distance, centre of drive axle to fork	x (mm)		614		
-	2.1	Wheelbase Service weight (w/ std equipment: mast, carriage, forks, etc.)	y (mm) kg		2235 11466		
WEIGHT	2.2	Axle loading, laden front/rear	kg		16955 / 2511		
×	2.3	Axle loading, unladen front/rear	kg		4654 / 6812		
	3.1	Tyres front/rear	15		Pneumatic		
	3.2	Tyre size, front			8.25x15 14PR		
TYRES	3.3	Tyre size, rear			8.25x15 14PR		
₹	3.5	Number of wheels, front/rear (x = driven wheels)			4X / 2		
	3.6	Tread, front	b10 (mm)		1847		
	3.7	Tread, rear	b ₁₁ (mm)		1536		
	4.1	Tilt of mast/fork carrige, forward α /backward β Height, mast lowered	α / β (°)		5 / 9 2712		
	4.2	Free lift (2)	h ₁ (mm) h ₂ (mm)		0		
	4.4	Lift (2)	h ₃ (mm)		3000		
	4.5	Height, mast extended (4)	h ₄ (mm)		4225		
	4.7	Height of overhead guard (cabin) (6)	h ₆ (mm)		2549		
	4.7.1	Cab height (open cab)	mm		2531		
	4.8	Seat height/stand height (3)	h ₇ (mm)		1547		
	4.12	Coupling height	h10 (mm)		467		
'n	4.19	Overall length	l1 (mm)		4770		
ĕ	4.20	Length to face of forks	l ₂ (mm)		3570		
DIMENSIONS	4.21	Overall width Fork dimensions	b1/b2 (mm) s/e/l (mm)		2082 60 / 150 / 1200		
Ξ	4.22	Fork carriage DIN 15173, class/type A/B	S/e/t (IIIII)		IVA		
_	4.24	Fork carriage width (5)	b3 (mm)		1980		
	4.31	Ground clearance, laden, below mast	m1 (mm)		160		
	4.32	Ground clearance, centre of wheelbase	m2 (mm)		1876		
	4.33	Aisle width with pallets 1000 long x 1200 crossways	Ast (mm)		125		
	4.34	Aisle width with pallets 800 wide x 1200 crossways	Ast (mm)		253		
	4.35	Turning radius (outer)	Wa (mm)		4959		
	4.36	Inner turning radius	b ₁₃ (mm)		5154		
	4.41	90° intersecting aisle (With pallet W = 1200mm, L = 1000mm)	mm		3145 951		
	4.42	Step Height (from ground to running board) Step Height (between intermediate steps between running board and floor)			2883		
	5.1	Travel speed laden/unladen	km/h	24 / 25.8	26.0 28.1	22.3 23.7	24.3 25.
병	5.1.1	Travel speed, laden/unladen, backwards	km/h	24 / 25.8	24.0 24.0	22.3 23.7	20.1 21.
Ν	5.2	Lift speed, laden/unladen (2LFL)	m/sec	0.31 / 0.32		0.43 0.45	0.43 0.4
N.	5.3	Lowering speed, laden/unladen (2LFL)	m/sec		0.41 / 0.37		
PERFORMANCE	5.5	Drawbar pull, laden/unladen @ 1.6 km/h	kN	37.4 / 27.4		/ 27.4	51.2 27.
Н	5.7	Gradeability, laden/unladen @ 1.6 km/h	%	20 / 25	25 25	25 25	28 25
	5.10	Service brake			Hydraulic		V0000
	7.1	Engine manufacturer/type	LAM	Kubota V3600			V3800
μι	7.2 7.3	Engine power according to ISO1585 Rated speed at max. power	kW	62.3	2400	81	1.5
ž	7.3.1	Torque at 1/min	Nm/min-1		296 / 1600		
ENGINE	7.4	Number of cylinders/displacement	(-)/cm3	4 / 3620	2.37 1000	4/3	3769
	7.5	Fuel consumption according VDI cycle	l/hr	9.703967298	11.5	10.0	10.4
	7.10	Battery voltage/nominal capacity	(V)/(Ah)		12 / 210		
	8.1	Type of drive unit			Hydrodynamic		
	8.2	Manufacturer/Type			DANA		
	8.6	Wheel drive/drive axle manufacturer/type			DANA		
	8.1	Service brake			Hydraulic		
~	8.1 10.1	Parking Brake	bar		Hand Lever 155		
OTHER	10.1	Operating pressure for attachments (nominal relief pressure) Oil volume for attachments (nominal) (7)	l/min		83.3		
5	10.2	Hydraulic Tank - capacity (drain & refill)	litres		71.7		
	10.4	Fuel Tank - Capacity			74.8		
	10.7	Sound level at driver's ear according DIN 12053 (without / with cab) (1)	dB (A) LPAZ		80 / 80		
	10.7.1	Sound power level during the drive cycle	dB (A) LWAZ	102		101	
	10.7.2	Guaranteed sound power 2001/14/EC	dB (A) LWA		106		
	10.8	Towing coupling, type DIN			Pin		

⁽¹⁾ Measured according to the test cycles and based on the weighting values contained in EN12053 $\,$

⁽³⁾ Full suspension seat in depressed position

⁽⁴⁾ Without load backrest

VDI	219	8 – GENERAL SPECIFICATIONS – VX SERI	ES									
	1.1	Manufacturer							Yale			
	1.2	Model designation							GDP 60V	X		
	1.2.1	Model Drive			Bas	е			Value Diesel		Prodi	uctivity
	1.3.1	CE Compliance / Emission Standard							Stage V			
	1.3.2	Engine							Kubota 3.8	3L		
GENERAL	1.3.3	Transmission		Elec		2-Speed th Soft S		-	Techtronix 3	332,		nix 332+,
E E				Po	wer Re	eversal			3-Speed		3-5	peed
	1.3.4	Brake Type							Wet Brake	es		
	1.4	Operator type Pated appacity/rated load	Q (t)						Seated 6			
	1.6	Rated capacity/rated load Load centre distance	c (mm)						600			
	1.8	Load distance, centre of drive axle to fork	x (mm)						609			
	1.9	Wheelbase	y (mm)						2235			
토	2.1	Service weight (w/ std equipment: mast, carriage, forks, etc.)	kg						8994			
WEIGHT	2.2	Axle loading, laden front/rear	kg						13728 / 14			
>	2.3	Axle loading, unladen front/rear	kg						4172 / 482			
	3.1	Tyres front/rear							Pneumati			
ξ	3.2	Tyre size, front							8.25x15 14 8.25x15 14			
TYRES	3.5	Tyre size, rear Number of wheels, front/rear (x = driven wheels)							4X / 2	rĸ		
-	3.6	Tread, front	b ₁₀ (mm)						1847			
L	3.7	Tread, rear	b ₁₁ (mm)						1536			
	4.1	Tilt of mast/fork carrige, forward α /backward β	α/β(°)						5 / 10			
1	4.2	Height, mast lowered	h ₁ (mm)						2540			
	4.3	Free lift (2)	h ₂ (mm)						100			
	4.4	Lift (2)	h ₃ (mm)						2940			
	4.5 4.7	Height, mast extended (4)	h4 (mm)						4040 2549			
	4.7.1	Height of overhead guard (cabin) (6) Cab height (open cab)	h ₆ (mm) mm						2549			
	4.8	Seat height/stand height (3)	hz (mm)						1547			
	4.12	Coupling height	h10 (mm)						467			
	4.19	Overall length	lı (mm)						4813			
	4.20	Length to face of forks	l ₂ (mm)						3613			
S.	4.21	Overall width	b1/b2 (mm)						2082			
IS	4.22	Fork dimensions	s/e/l (mm)						60 / 150 / 1	200		
DIMENSIONS	4.23	Fork carriage DIN 15173, class/type A/B Fork carriage width (5)	b3 (mm)						IVA 1980			
_		Fork Spacing -Std Carriage - Minimum Inside to inside edge	m ₁ (mm)						160			
İ	4.24.1	Fork Spacing -Std Carriage - Maximum outside to outside edge	m ₂ (mm)						1876			
1	4.31	Ground clearance, laden, below mast	Ast (mm)						125			
	4.32	Ground clearance, centre of wheelbase	Ast (mm)						253			
	4.33	Aisle width with pallets 1000 long x 1200 crossways	Wa (mm)						5129			
	4.34	Aisle width with pallets 800 wide x 1200 crossways	b ₁₃ (mm)						5329 3320			
-	4.36	Turning radius (outer) Inner turning radius	mm						1271			
	4.41	90° intersecting aisle (With pallet W = 1200mm, L = 1000mm)	111111						2872			
	4.42	Step Height (from ground to running board)							321			
	4.43	Step Height (between intermediate steps between running board and floor)	mm						256			
	5.1	Travel speed laden/unladen	km/h					22.3	23.6 24		22.3 23.6	24.7 26.0
PERFORMANCE	5.1.1	Travel speed, laden/unladen, backwards	km/h				23.9				/ 21.7	1 1
Ψ	5.2	Lift speed, laden/unladen (2LFL)	m/sec	0.45	0.47	0.52	0.52	0.45	0.47 0.5		0.45 0.47	0.52 0.52
Ë	5.3 5.5	Lowering speed, laden/unladen (2LFL) Drawbar pull, laden/unladen @ 1.6 km/h	m/sec kN	36.1	24.5	46.7	24.5		0.58 / 0.5		/ 24.5	
笳	5.7	Gradeability, laden/unladen @ 1.6 km/h	%	25	29		29	37	39	01.2	37 / 29	
_	5.10	Service brake							Hydrodynai	mic		
	7.1	Engine manufacturer/type							Kubota V38	300		
	7.2	Engine power according to ISO1585	kW	55		82		5		82	55	82
ENGINE	7.3	Rated speed at max. power	rpm	2200		240		22		2400	2200	2400
S.	7.3.1 7.4	Torque at 1/min	Nm/min-1 (-)/cm3	308.5	1400 3	373.1	1600	308.5	4/3769	3.1 1600	308.5 1400	373.1 1600
-	7.5	Number of cylinders/displacement Fuel consumption according VDI cycle	l/hr	6.7		7.3		7.		7.5	7.0	7.5
	7.10	Battery voltage/nominal capacity	(V)/(Ah)	0.7		,,,			12 / 210		7.0	7.0
	8.1	Type of drive unit							Hydrodyna			
	8.2	Manufacturer/Type							DANA			
	8.6	Wheel drive/drive axle manufacturer/type							DANA			
	8.1	Service brake							Hydrauli			
~	8.1 10.1	Parking Brake Operating pressure for attachments (nominal relief pressure)	bar						Hand Leve 155	er		
OTHER	10.1	Oil volume for attachments (nominal retier pressure)	l/min						83.3			
6	10.3	Hydraulic Tank - capacity (drain & refill)	litres						71.7			
	10.4	Fuel Tank - Capacity							74.8			
	10.7	Sound level at driver's ear according DIN 12053 (without / with cab) (1)	dB (A) LPAZ	77 / 7	77	79 / 7	79	77 /	77	79 / 79	77 / 77	79 / 79
	10.7.1	Sound power level during the drive cycle	dB (A) LWAZ						101			
		Guaranteed sound power 2001/14/EC	dB (A) LWA						105			
	10.8	Towing coupling, type DIN	<u> </u>						Pin			

⁽⁶⁾ h6 subject to +/- 5 mm tolerance. 2549mm for Cab option

Spec sheet truck based on: 3000mm T0F 2 stage LFL mast with 1980mm carriage, 1200mm forks

VD	219	8 – GENERAL SPECIFICATIONS – VX SERI	ES	
	1.1	Manufacturer		Yale
	1.2	Model designation		GDP 70VX
	1.2.1	Model		Base Value Productivity
	1.3	Drive		Diesel
	1.3.1	CE Compliance / Emission Standard		Stage V
	1.3.2	Engine		Kubota 3.8L
GENERAL	1.3.3	Transmission		Electronic 2-Speed Powershift with Soft Shift Power Reversal Techtronix 332, 3-Speed 3-Speed 3-Speed
5	1.3.4	Brake Type		Wet Brakes
	1.3.4	Operator type		Seated
ŀ	1.5	Rated capacity/rated load	Q (t)	7
	1.6	Load centre distance	c (mm)	600
	1.8	Load distance, centre of drive axle to fork	x (mm)	609
	1.9	Wheelbase	y (mm)	2235
\=	2.1	Service weight (w/ std equipment: mast, carriage, forks, etc.)	kg	10191 9505
WEIGHT	2.2	Axle loading, laden front/rear	kg	14909 / 2282
×	2.3	Axle loading, unladen front/rear	kg	4122 / 6069
	3.1	Tyres front/rear		Pneumatic
	3.2	Tyre size, front		8.25x15 14PR
TYRES	3.3	Tyre size, rear		8.25x15 14PR
₹	3.5	Number of wheels, front/rear (x = driven wheels)		4X / 2
1	3.6	Tread, front	b10 (mm)	1847
	3.7	Tread, rear	b ₁₁ (mm)	1536
	4.1	Tilt of mast/fork carrige, forward α /backward β	α / β (°)	5 / 10
	4.2	Height, mast lowered Free lift (2)	h ₁ (mm) h ₂ (mm)	2540 100
	4.4	Lift ⁽²⁾	h ₃ (mm)	2940
	4.5	Height, mast extended (4)	h ₄ (mm)	4040
	4.7	Height of overhead guard (cabin) (6)	h ₆ (mm)	2549
	4.7.1	Cab height (open cab)	mm	2531
ı	4.8	Seat height/stand height (3)	h ₇ (mm)	1547
	4.12	Coupling height	h10 (mm)	467
	4.19	Overall length	lı (mm)	4877
	4.20	Length to face of forks	l2 (mm)	3677
S	4.21	Overall width	b1/b2 (mm)	2082
Ş	4.22	Fork dimensions	s/e/l (mm)	60 / 150 / 1200
DIMENSIONS	4.23	Fork carriage DIN 15173, class/type A/B		IVA
百	4.24	Fork carriage width (5)	b3 (mm)	1980
	4.24.1	Fork Spacing -Std Carriage - Minimum Inside to inside edge	m1 (mm)	160
	4.24.1	Fork Spacing -Std Carriage - Maximum outside to outside edge Ground clearance, laden, below mast	m ₂ (mm) Ast (mm)	1876 125
	4.32	Ground clearance, centre of wheelbase	Ast (mm)	253
	4.33	Aisle width with pallets 1000 long x 1200 crossways	Wa (mm)	5197
	4.34	Aisle width with pallets 800 wide x 1200 crossways	b ₁₃ (mm)	5397
	4.35	Turning radius (outer)	mm	3388
İ	4.36	Inner turning radius	mm	1271
	4.41	90° intersecting aisle (With pallet W = 1200mm, L = 1000mm)		2903
	4.42	Step Height (from ground to running board)		321
	4.43	Step Height (between intermediate steps between running board and floor)	mm	256
ш	5.1	Travel speed laden/unladen	km/h	20.4 21.6 22.6 23.8 22.2 23.6 24.5 26.0 22.2 23.6 24.5 26.0
2	5.1.1	Travel speed, laden/unladen, backwards	km/h	23.5 / 25.1 20.4 21.6 22.6 23.8 20.4 21.6
Σ	5.2 5.3	Lift speed, laden/unladen (2LFL) Lowering speed, laden/unladen (2LFL)	m/sec	0.35 0.47 0.46 0.52 0.35 0.47 0.46 0.52 0.35 0.47 0.46 0.52
Ë	5.5	Drawbar pull, laden/unladen (2LFL)	m/sec kN	0.58 / 0.53 35.9 23.8 46.7 23.8 51.1 23.8 51.2 23.8 51.1 23.8 51.2 23.8
PERFORMANCE	5.7	Gradeability, laden/unladen @ 1.6 km/h	%	23 26 30 26 33 26 33 26 33 26 33 26 33 26
"	5.10	Service brake		Hydrodynamic
	7.1	Engine manufacturer/type		Kubota V3800
	7.2	Engine power according to ISO1585	kW	55 82 55 82 55 82
岁	7.3	Rated speed at max. power	rpm	2200 2400 2200 2400 2200 2400
ENGINE	7.3.1	Torque at 1/min	Nm/min-1	308.5 1400 373.1 1600 308.5 1400 373.1 1600 308.5 1400 373.1 1600
=	7.4	Number of cylinders/displacement	(-)/cm3	4/3769
	7.5	Fuel consumption according VDI cycle	l/hr	7.5 8.1 7.8 8.4 7.8 8.4
	7.10	Battery voltage/nominal capacity	(V)/(Ah)	12 / 210
1	8.1 8.2	Type of drive unit		Hydrodynamic DANA
	8.6	Manufacturer/Type Wheel drive/drive axle manufacturer/type		DANA DANA
	8.1	Service brake		Hydraulic
1	8.1	Parking Brake		Hand Lever
œ	10.1	Operating pressure for attachments (nominal relief pressure)	bar	155
OTHER	10.2	Oil volume for attachments (nominal) (7)	l/min	83.3
5	10.3	Hydraulic Tank - capacity (drain & refill)	litres	71.7
1	10.4	Fuel Tank - Capacity		74.8
1	10.7	Sound level at driver's ear according DIN 12053 (without / with cab) (1)	dB (A) LPAZ	77 79 77 79 77 79 77 79 79 79 79 79 79
1	10.7.1	Sound power level during the drive cycle	dB (A) LWAZ	101
	10.7.2	Guaranteed sound power 2001/14/EC	dB (A) LWA	105
	10.8	Towing coupling, type DIN		Pin

⁽¹⁾ Measured according to the test cycles and based on the weighting values contained in $\ensuremath{\mathsf{EN12053}}$

⁽³⁾ Full suspension seat in depressed position

⁽⁴⁾ Without load backrest

VDI	219	8 – GENERAL SPECIFICATIONS – VX SERI	ES				
	1.1	Manufacturer		Yale			
	1.2	Model designation		GDP 70SVX			
	1.2.1	Model Drive		Base Value Productivity Diesel			
	1.3.1	CE Compliance / Emission Standard		Stage V			
	1.3.2	Engine		Kubota 3.8L			
GENERAL	1.3.3	Transmission		Electronic 2-Speed Powershift with Soft Shift 3-Speed			
핑				Power Reversal			
	1.3.4	Brake Type		Wet Brakes			
	1.4	Operator type Rated capacity/rated load	Q (t)	Seated 7 600			
	1.6	Load centre distance	c (mm)				
	1.8	Load distance, centre of drive axle to fork	x (mm)	609			
	1.9	Wheelbase	y (mm)	2235			
토	2.1	Service weight (w/ std equipment: mast, carriage, forks, etc.)	kg	10191			
WEIGHT	2.2	Axle loading, laden front/rear	kg	14909 / 2282			
>	2.3	Axle loading, unladen front/rear	kg	4122 / 6069			
1	3.1	Tyres front/rear		Pneumatic			
ις	3.2	Tyre size, front		8.25x15 14PR 8.25x15 14PR			
TYRES	3.5	Tyre size, rear Number of wheels, front/rear (x = driven wheels)		6.23X13 14FK			
-	3.6	Tread, front	b10 (mm)	1847			
L	3.7	Tread, rear	b ₁₁ (mm)	1536			
	4.1	Tilt of mast/fork carrige, forward α /backward β	α/β(°)	5 / 10			
	4.2	Height, mast lowered	h1 (mm)	2540			
	4.3	Free lift (2)	h ₂ (mm)	100			
	4.4	Lift (2)	h ₃ (mm)	2940			
	4.5	Height, mast extended (4)	h4 (mm)	4040			
	4.7.1	Height of overhead guard (cabin) (6) Cab height (open cab)	h ₆ (mm) mm	2549 2531			
	4.7.1	Seat height/stand height (3)	hz (mm)	1547			
	4.12	Coupling height	h ₁₀ (mm)	467			
İ	4.19	Overall length	l ₁ (mm)	4695			
	4.20	Length to face of forks	l ₂ (mm)	3495			
DIMENSIONS	4.21	Overall width	b ₁ /b ₂ (mm)	2082			
Ş	4.22	Fork dimensions	s/e/l (mm)	60 / 150 / 1200			
Σ	4.23	Fork carriage DIN 15173, class/type A/B	h ()	IVA 1000			
_	4.24	Fork carriage width (5) Fork Spacing -Std Carriage - Minimum Inside to inside edge	b ₃ (mm) m ₁ (mm)	1980 160			
	4.24.1	Fork Spacing -Std Carriage - Maximum outside to outside edge	m ₂ (mm)	1876			
	4.31	Ground clearance, laden, below mast	Ast (mm)	125			
İ	4.32	Ground clearance, centre of wheelbase	Ast (mm)	253			
	4.33	Aisle width with pallets 1000 long x 1200 crossways	Wa (mm)	4889			
	4.34	Aisle width with pallets 800 wide x 1200 crossways	b ₁₃ (mm)	5089			
	4.35	Turning radius (outer)	mm	3080			
	4.36	Inner turning radius	mm	951 2883			
	4.41	90° intersecting aisle (With pallet W = 1200mm, L = 1000mm) Step Height (from ground to running board)		321			
	4.43	Step Height (between intermediate steps between running board and floor)	mm	256			
	5.1	Travel speed laden/unladen	km/h	20.3 21.6 22.5 23.8 22.1 23.5 24.5 25.9 22.1 23.5 24.5 25.9			
쁄	5.1.1	Travel speed, laden/unladen, backwards	km/h	20.3 21.6 22.5 23.8 20.3 21.6 20.3 21.6 20.3 21.6 20.3 21.6 20.3 21.6			
PERFORMANCE	5.2	Lift speed, laden/unladen (2LFL)	m/sec	0.35 0.47 0.46 0.52 0.35 0.47 0.46 0.52 0.35 0.47 0.46 0.52			
8	5.3	Lowering speed, laden/unladen (2LFL)	m/sec	0.58 / 0.53			
12.	5.5	Drawbar pull, laden/unladen @ 1.6 km/h	kN	35.8 24.3 46.7 24.3 51.1 24.3 51.2 24.3 51.1 24.3 51.2 24.3			
⊼	5.7 5.10	Gradeability, laden/unladen @ 1.6 km/h Service brake	%	22 25 29 25 32 / 25 Hydrodynamic			
	7.1	Engine manufacturer/type		Kubota V3800			
	7.2	Engine power according to ISO1585	kW	55 82 55 82 55 82			
¥	7.3	Rated speed at max. power	rpm	2200 2400 2200 2400 2200 2400			
ENGINE	7.3.1	Torque at 1/min	Nm/min-1	308.5 1400 373.1 1600 308.5 1400 373.1 1600 308.5 1400 373.1 1600			
ú	7.4	Number of cylinders/displacement	(-)/cm3	4/3769			
	7.5	Fuel consumption according VDI cycle	l/hr	7.9 8.5 8.3 8.8 8.3 8.8			
	7.10	Battery voltage/nominal capacity	(V)/(Ah)	12 / 210			
	8.1	Type of drive unit Manufacturer/Type		Hydrodynamic DANA			
	8.6	Wheel drive/drive axle manufacturer/type		DANA			
	8.1	Service brake		Hydraulic			
	8.1	Parking Brake		Hand Lever			
2	10.1	Operating pressure for attachments (nominal relief pressure)	bar	155			
OTHER	10.2	Oil volume for attachments (nominal) (7)	l/min	83.3			
0	10.3	Hydraulic Tank - capacity (drain & refill)	litres	71.7			
	10.4	Fuel Tank - Capacity Sound level at driver's ear according DIN 12053 (without / with cah)(!)	dB(A) DA7	74.8 77 / 77			
	10.7.1	Sound level at driver's ear according DIN 12053 (without / with cab) (1) Sound power level during the drive cycle	dB (A) LPAZ dB (A) LWAZ	101			
		Guaranteed sound power 2001/14/EC	dB (A) LWAZ	105			
	10.7.2	Towing coupling, type DIN		Pin			
		*		•			

⁽⁶⁾ h6 subject to +/- 5 mm tolerance. 2549mm for Cab option

Spec sheet truck based on: 3000mm T0F 2 stage LFL mast with 1980mm carriage, 1200mm forks

VD	219	8 – GENERAL SPECIFICATIONS – VX SERI	ES												
	1.1	Manufacturer							Ya	le					
	1.2	Model designation							GDP 70						
	1.2.1	Model			Ва	ise			Val	ue			Produ	ctivity	
	1.3	Drive							Die:	sel					
	1.3.1	CE Compliance / Emission Standard							Stag	je V					
١.	1.3.2	Engine							Kubota	3.8L					
GENERAL	1.3.3	Transmission		Powe	rshift w	c 2-Spee vith Soft Reversal	Shift	T	echtror 3-Sp		,	Т	echtror 3-Sp		<u>?</u> +,
5	1.3.4	Brake Type			OWCIT	te ver sut	- 1		Wet Br	rakes					
	1.4	Operator type							Sea						
	1.5	Rated capacity/rated load	Q (t)						7						
	1.6	Load centre distance	c (mm)	900											
	1.8	Load distance, centre of drive axle to fork	x (mm)						61						
	1.9	Wheelbase	y (mm)						223						
F	2.1	Service weight (w/ std equipment: mast, carriage, forks, etc.)	kg						118						
WEIGHT	2.2	Axle loading, laden front/rear	kg						16639	2337					
X	2.3	Axle loading, unladen front/rear	kg						4783 /	7101					
	3.1	Tyres front/rear							Pneur	natic					
	3.2	Tyre size, front							8.25x15	14PR					
TYRES	3.3	Tyre size, rear							8.25x15	14PR					
ĮΣ	3.5	Number of wheels, front/rear (x = driven wheels)							4X .						
	3.6	Tread, front	b10 (mm)						184						
<u> </u>	3.7	Tread, rear	b ₁₁ (mm)						153						
	4.1	Tilt of mast/fork carrige, forward α /backward β	α / β (°)						5 /						
	4.2	Height, mast lowered	h1 (mm)						27						
	4.3	Free lift (2) Lift (2)	h ₂ (mm) h ₃ (mm)						300						
	4.4	Height, mast extended (4)	h ₄ (mm)						422						
	4.7	Height of overhead guard (cabin) (6)	h ₆ (mm)						254						
ŀ	4.7.1	Cab height (open cab)	mm						25						
	4.8	Seat height/stand height (3)	hz (mm)	1547											
	4.12	Coupling height	h ₁₀ (mm)	467											
i	4.19	Overall length	lı (mm)						47	70					
İ	4.20	Length to face of forks	l2 (mm)						35	70					
S	4.21	Overall width	b ₁ /b ₂ (mm)	2082 60 / 150 / 1200 IVA 1980 160 1876 125 253											
S	4.22	Fork dimensions	s/e/l (mm)												
DIMENSIONS	4.23	Fork carriage DIN 15173, class/type A/B													
≧	4.24	Fork carriage width (5)	b3 (mm)												
	4.24.1	Fork Spacing -Std Carriage - Minimum Inside to inside edge	m1 (mm)												
	4.24.1	Fork Spacing -Std Carriage - Maximum outside to outside edge	m2 (mm)												
	4.31	Ground clearance, laden, below mast	Ast (mm)												
	4.32	Ground clearance, centre of wheelbase	Ast (mm)												
	4.33	Aisle width with pallets 1000 long x 1200 crossways	Wa (mm)						495 515						
	4.34	Aisle width with pallets 800 wide x 1200 crossways	b13 (mm)						314						
	4.36	Turning radius (outer) Inner turning radius	mm						95						
	4.41	90° intersecting aisle (With pallet W = 1200mm, L = 1000mm)	111111						288						
	4.42	Step Height (from ground to running board)							32						
	4.43	Step Height (between intermediate steps between running board and floor)	mm						25						
	5.1	Travel speed laden/unladen	km/h	20.1	21.4	22.3	23.7	21.8	23.3		25.8	21.8	23.3	24.3	25.8
병	5.1.1	Travel speed, laden/unladen, backwards	km/h	20.1	21.4	22.3	23.7	'				/ 21.4			
N≅	5.2	Lift speed, laden/unladen (2LFL)	m/sec	0.37	0.42	0.44	0.45	0.37	0.42	0.44	0.45	0.37	0.42	0.44	0.45
PERFORMANCE	5.3	Lowering speed, laden/unladen (2LFL)	m/sec						0.41 /	0.37					
Æ	5.5	Drawbar pull, laden/unladen @ 1.6 km/h	kN	35.4	28.1	46.7		50.6	28.1	51.2	28.1	50.6	28.1	51.2	
퓝	5.7	Gradeability, laden/unladen @ 1.6 km/h	%	19	25	26	25	28	25	29	25	28	25	29	25
	5.10	Service brake							Hydrody						
	7.1	Engine manufacturer/type	LAM	_	-		,		Kubota			-	-		0.2
	7.2	Engine power according to ISO1585	kW		5	82		55			2		5		82 400
Z.	7.3 7.3.1	Rated speed at max. power Torque at 1/min	rpm Nm/min-1	22	UU	240	JU	220	308 10		.00	22	UU	2	400
ENGINE	7.3.1	Number of cylinders/displacement	(-)/cm3						4/37						
1	7.5	Fuel consumption according VDI cycle	l/hr	9.	.1	9.5	7	9.5			0.1	9.	5	1	10.1
1	7.10	Battery voltage/nominal capacity	(V)/(Ah)	,		/./	1	/	12 /			, , , ,			
	8.1	Type of drive unit						ŀ	Hydrody						
1	8.2	Manufacturer/Type							DAI						
1	8.6	Wheel drive/drive axle manufacturer/type							DAI	AV					
	8.1	Service brake							Hydra	aulic					
	8.1	Parking Brake							Hand I						
盗	10.1	Operating pressure for attachments (nominal relief pressure)	bar						15						
OTHER	10.2	Oil volume for attachments (nominal) (7)	l/min						83						
0	10.3	Hydraulic Tank - capacity (drain & refill)	litres						71						
1	10.4	Fuel Tank - Capacity	JD (A) L DA 7		, 77		70		74		/ 70		77	80	170
	10.7	Sound level at driver's ear according DIN 12053 (without / with cab) (1)	dB (A) LPAZ	77 /	11	79 /	/4	77 /			/ 79	77 /	11	79	79
	10.7.1	Sound power level during the drive cycle	dB (A) LWAZ						10						
1	10.7.2	Guaranteed sound power 2001/14/EC	dB (A) LWA						10 Pi						
	10.8	Towing coupling, type DIN							Pi						

⁽¹⁾ Measured according to the test cycles and based on the weighting values contained in $\ensuremath{\mathsf{EN12053}}$

⁽²⁾ Bottom of forks

⁽³⁾ Full suspension seat in depressed position

⁽⁴⁾ Without load backrest

⁽⁵⁾ Add 32mm with load backrest

VDI	219	8 – GENERAL SPECIFICATIONS – VX SERI	ES				
	1.1	Manufacturer		Yale			
	1.2	Model designation		GDP 80SVX			
1	1.2.1	Model Drive		Base Value Productivity Diesel			
	1.3.1	CE Compliance / Emission Standard		Stage V			
	1.3.2	Engine		Kubota 3.8L			
Z Z				Electronic 2-Speed Techtronix 332, Techtronix 332+,			
GENERAL	1.3.3	Transmission		Power Reversal 3-Speed 3-Speed			
5	1.3.4	Brake Type		Wet Brakes			
	1.4	Operator type		Seated			
	1.5	Rated capacity/rated load	Q (t)	8			
	1.6	Load centre distance	c (mm)	600			
	1.8	Load distance, centre of drive axle to fork	x (mm)	614			
_	1.9	Wheelbase	y (mm)	2235			
WEIGHT	2.1	Service weight (w/ std equipment: mast, carriage, forks, etc.) Axle loading, laden front/rear	kg kg	11466 16955 / 2511			
WE	2.3	Axle loading, unladen front/rear	kg	4654 / 6812			
	3.1	Tyres front/rear		Pneumatic			
'n	3.2	Tyre size, front		8.25x15 14PR			
TYRES	3.3	Tyre size, rear		8.25x15 14PR			
_	3.5	Number of wheels, front/rear (x = driven wheels) Tread. front	b ₁₀ (mm)	4X / 2 1847			
	3.7	Tread, rear	b ₁₁ (mm)	1536			
	4.1	Tilt of mast/fork carrige, forward α /backward β	α/β(°)	5 / 9			
	4.2	Height, mast lowered	h ₁ (mm)	2712			
	4.3	Free lift (2)	h ₂ (mm)	0			
	4.4	Lift (2)	h ₃ (mm)	3000			
	4.5 4.7	Height, mast extended (4) Height of overhead guard (cabin) (6)	h4 (mm) h6 (mm)	4225 2549			
	4.7.1	Cab height (open cab)	mm	2531			
	4.8	Seat height/stand height (3)	h ₇ (mm)	1547			
	4.12	Coupling height	h ₁₀ (mm)	467			
	4.19	Overall length	l1 (mm)	4770			
v	4.20	Length to face of forks	l ₂ (mm)	3570			
NO NO	4.21	Overall width Fork dimensions	b1/b2 (mm) s/e/l (mm)	2082 60 / 150 / 1200 IVA 1980 160 1876			
DIMENSIONS	4.23	Fork carriage DIN 15173, class/type A/B	S/e/t (IIIII)				
Σ	4.24	Fork carriage width (5)	b3 (mm)				
-	4.24.1	Fork Spacing -Std Carriage - Minimum Inside to inside edge	m1 (mm)				
	4.24.1	Fork Spacing -Std Carriage - Maximum outside to outside edge	m ₂ (mm)				
	4.31	Ground clearance, laden, below mast	Ast (mm)	125			
	4.32	Ground clearance, centre of wheelbase Aisle width with pallets 1000 long x 1200 crossways	Ast (mm) Wa (mm)	253 4959			
	4.34	Aisle width with pallets 800 wide x 1200 crossways	b ₁₃ (mm)	5154			
ı	4.35	Turning radius (outer)	mm	3145			
	4.36	Inner turning radius	mm	951			
	4.41	90° intersecting aisle (With pallet W = 1200mm, L = 1000mm)		2883			
	4.42	Step Height (from ground to running board) Step Height (between intermediate steps between running board and floor)	mm	321 256			
	5.1	Travel speed laden/unladen	km/h	20.1 21.4 22.3 23.7 21.8 23.3 24.3 25.8 21.8 23.3 24.3 25.8			
벌	5.1.1	Travel speed, laden/unladen, backwards	km/h	20.1 21.4 22.3 23.7 20.1 / 21.4			
¥	5.2	Lift speed, laden/unladen (2LFL)	m/sec	0.31 0.42 0.43 0.45 0.31 0.42 0.43 0.45 0.31 0.42 0.43 0.45			
ë.	5.3	Lowering speed, laden/unladen (2LFL)	m/sec	0.41 / 0.37			
PERFORMANCE	5.5 5.7	Drawbar pull, laden/unladen @ 1.6 km/h Gradeability, laden/unladen @ 1.6 km/h	kN %	35.4 27.4 46.7 27.4 50.6 27.4 51.2 27.4 50.6 27.4 51.2 27.4 50.6 27.4 51.2 27.4 19 25 25 25 27 25 28 25 27 25 28 25			
<u> </u>	5.10	Service brake		Hydrodynamic			
	7.1	Engine manufacturer/type		Kubota V3800			
	7.2	Engine power according to ISO1585	kW	55 82 55 82 55 82			
ENGINE	7.3 7.3.1	Rated speed at max. power Torque at 1/min	rpm Nm/min-1	2200 2400 2200 2400 2200 2400 308.5 1400 373.1 1600 308.5 1400 373.1 1600 308.5 1400 373.1 1600			
ä	7.4	Number of cylinders/displacement	(-)/cm3	4/3769			
İ	7.5	Fuel consumption according VDI cycle	l/hr	9.4 10.0 9.8 10.4 9.8 10.4			
	7.10	Battery voltage/nominal capacity	(V)/(Ah)	12 / 210			
	8.1	Type of drive unit		Hydrodynamic			
	8.2	Manufacturer/Type Wheel drive/drive axle manufacturer/type		DANA DANA			
	8.1	Service brake		Hydraulic			
	8.1	Parking Brake		Hand Lever			
2	10.1	Operating pressure for attachments (nominal relief pressure)	bar	155			
OTHER	10.2	Oil volume for attachments (nominal) (7)	l/min	83.3			
	10.3	Hydraulic Tank - capacity (drain & refill) Fuel Tank - Capacity	litres	71.7 74.8			
	10.7	Sound level at driver's ear according DIN 12053 (without / with cab) (1)	dB (A) LPAZ	77.77			
	10.7.1	Sound power level during the drive cycle	dB (A) LWAZ	101			
		Guaranteed sound power 2001/14/EC	dB (A) LWA	105			
	10.8	Towing coupling, type DIN	<u> </u>	Pin			

⁽⁶⁾ h6 subject to +/- 5 mm tolerance. 2549mm for Cab option

Spec sheet truck based on: 3000mm T0F 2 stage LFL mast with 1980mm carriage, 1200mm forks

MAST DIMENSIONS – GDP/GLP 60VX, GDP/GLP 70VX, GDP/GLP 70SVX								
Maximum Fork Height (mm) (TOF)	Back Tilt (°)	Overall Lowered Height (mm)	Overall Extended Height (mm)	Free Lift Height (mm) (TOF)				
(11111) (10F)	()	(mm)	With LBR	Without LBR				
	2-Stage Limited Free-Lift (LFL) Mast							
3000	10	2516	4417	100				
3400	10	2716	4817	100				
4400	10	3216	5817	100				
5400	10	3716	6817	100				
6000	10	4116	7417	100				
	3-Stage Full Free-Lift (FFL) Mast							
4700	6	2576	6118	1425				
5600	6	2876	7018	1725				
6200	6	3126	7618	1975				

MAST DIMENSIONS – GDP/GLP 70SVX9, GDP/GLP 80SVX							
Maximum Fork Height (mm) (TOF)	Back Tilt (°)	Overall Lowered Height	Overall Extended Height (mm)	Free Lift Height (mm) (TOF)			
(IIIII) (10F)	()	(mm)	With LBR	Without LBR			
		2-Stage Limited Free-Lift (LFL) Mast					
3065	9	2712	4350	0			
3565	9	2962	4850	0			
4565	9	3462	5850	0			
5565	9	3962	6850	0			
6065	9	4212	7350	0			
		3-Stage Full Free-Lift (FFL) Mast					
4615	6	2702	6077	1565			
5515	6	3002	6977	1865			
5965	6	3152	7427	2015			
6565	6	3355	7847	2111			

MAST DIMENSIONS	AST DIMENSIONS – GDP/GLP 60VX, GDP/GLP 70VX, GDP/GLP 70SVX								
				Capacities	(kg) @ 600mm L	oad Centre			
Maximum Fork Height (mm) (TOF)		Without Sideshift	t	With	Independant Side	eshift	With Hang-On Sideshift & Fork Positioner		
(11111) (101)	60VX	70VX	70SVX	60VX	70VX	70SVX	60VX	70VX	70SVX
			2-Stage Lim	ited Free-Lift (LF	L) Mast				
3000	6240	7000	7000	5730	6730	7000	5380	6330	6660
3400	6220	7000	7000	5710	6720	7000	5360	6320	6650
4400	6170	7000	7000	5670	6670	7000	5320	6270	6600
5400	6140	7000	7000	5630	6640	6990	5290	6240	6570
6000	5910	6810	6820	5430	6420	6770	5090	6040	6370
	3-Stage Full Free-Lift (FFL) Mast								
4700	6120	7000	7000	5630	6550	6830	5290	6170	6430
5600	6010	6900	6910	5520	6440	6720	5190	6060	6330
6200	5970	6710	6730	5320	6220	6500	4990	5850	6130

Maximum Fork Height	Capacities (kg) @ 9	00mm Load Centre				
(mm) (TOF)	Without Sideshift	With Integral Sideshift				
2-Stage Limited Free-Lift (LFL) Mast						
3065	7390	6900				
3565	7380	6890				
4565	7360	6880				
5565	7340	6860				
6065	7260	6780				
	3-Stage Full Free-Lift (FFL) Mast					
4615	6880	6430				
5515	6860	6410				
5965	6840	6390				
6565	6610	6170				

AST DIMENSIONS – GDP/GLP 80SVX						
Maximum Fork Height	Capacities (kg) @ 6	00mm Load Centre				
(mm) (TOF)	Without Sideshift	With Integral Sideshift				
2-Stage Limited Free-Lift (LFL) Mast						
3065	8000	7960				
3565	8000	7950				
4565	8000	7930				
5565	8000	7900				
6065	7920	7810				
	3-Stage Full Free-Lift (FFL) Mast					
4615	8000	7410				
5515	8000	7390				
5965	7970	7360				
6565	7750	7160				

ENGINE SPECIFICATIONS – VX SERIES							
Kubota	a V3600	Kubota	V3800	Kubota WG3800-L-E3			
CE Compliance / Emission Standard	Stage IIIA	CE Compliance / Emission Standard	Stage V	CE Compliance / Emission Standard	Stage V		
Cylinders	Inline 4	Cylinders	Inline 4	Cylinders	Inline 4		
Displacement	3.6 litre	Displacement	3.8 litre	Displacement	3.8 litre		
Torque	296Nm @ 1,600rpm	Torque	373Nm @ 1,600rpm	Torque	285Nm @ 2,400rpm		
Power	62.3kW @ 2,400rpm	Power	81.5kW @ 2,400rpm	Power	71.6kW @ 2,400rpm		

TRUCK CONFIGURATION				
Model	MFH – Top of Forks (mm)			
60VX, 70VX, 70SVX	5400			
70SVX9, 80SVX	5565			
Carriage	1980mm Standard Hook with Load Backrest			
Basic Truck	LPG with 2 speed transmission and Overhead Guard			

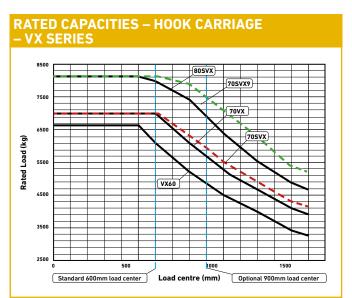
The ratings are computed using fork lengths as below:

RATED CAPACITIES					
	Load Centre (mm)	Fork Length (mm)			
41144 1 1	500 to 700	1200			
All Models	Over 700 to 1000	1500			
	Over 1000 to 1200	1800			
	Over 1220	2400			

Ratings computed using high strength, 65x200mm forks above the following load centres to reach full truck capacity.

RATED CAPACITIES					
Model	Load Centre (mm)				
60VX	1400				
70VX	600				
70SVX	600				
70SVX9	1050				
80SVX	1400				

FEATURES LIST – VX SERIES		
	STD	OPT
Powertrain protection system		•
Premium monitoring package		•
High air intake with precleaner		•
Accumulator		•
Halogen headlights and rear drive lights		•
Traction speed limiter		•
Return-to-set tilt		•
Integral operator's cab		•
Swivel full suspension seats		•
Foot Directional Control pedal		•
Operator password		•
Mirrors		•
Alarm - reverse actuated 82-102 dB(A) - self-adjusting		•
Amber strobe light - Continuous activated		•
Solid and radial tyres		•
4 function (2 aux.) hydraulic control valve		•
5° forward / 6° backward tilt.		•





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Notice: Care must be exercised when handling elevated loads. Operators must be trained and must read, understand and follow the instructions contained in the Operating Manual. Consult your Yale® Dealer if any of the information shown is critical to your application.

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