



GDP/GLP 80-90VX

SPEC SHEET

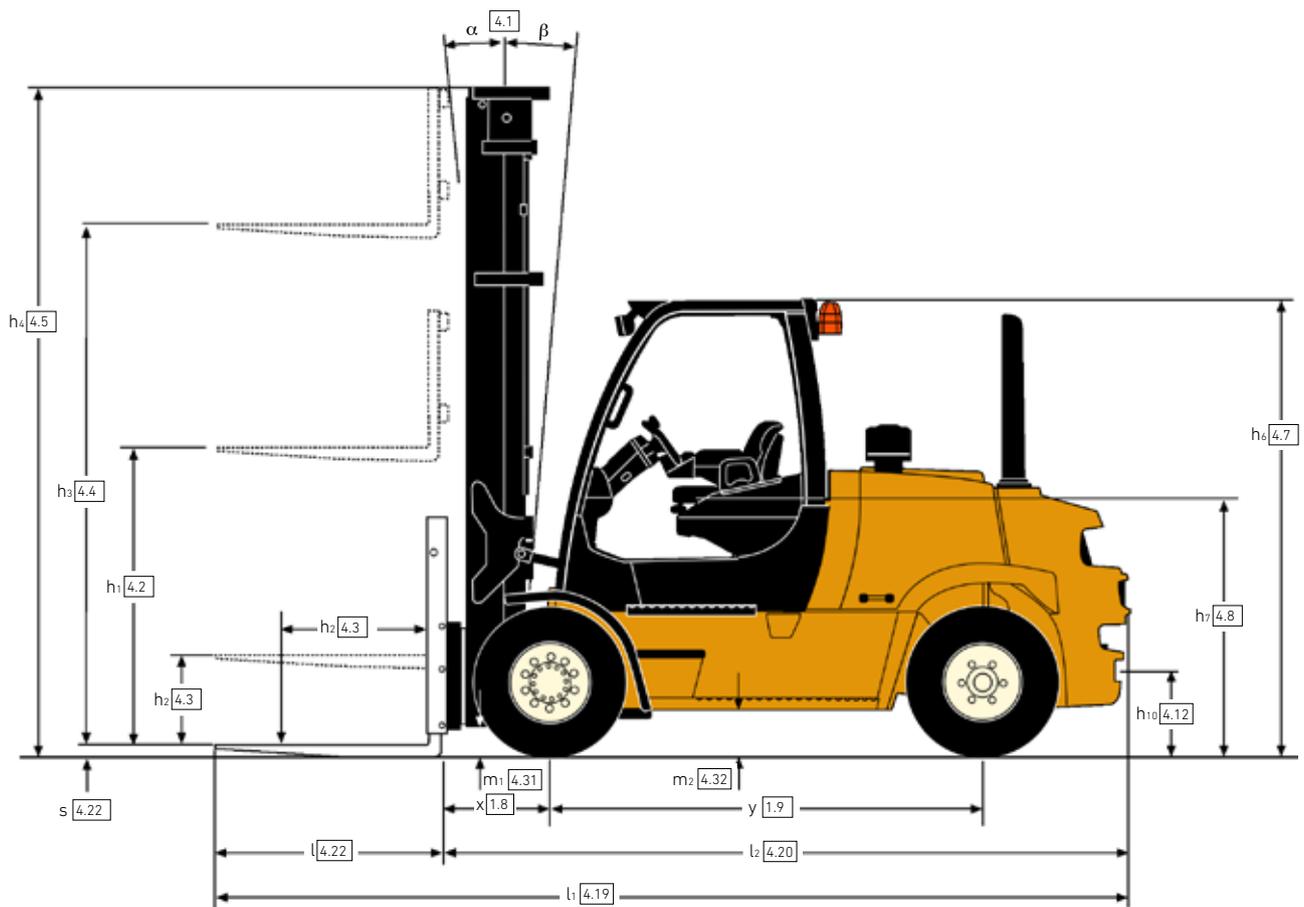
8,000 - 9,000 kg

VX Series

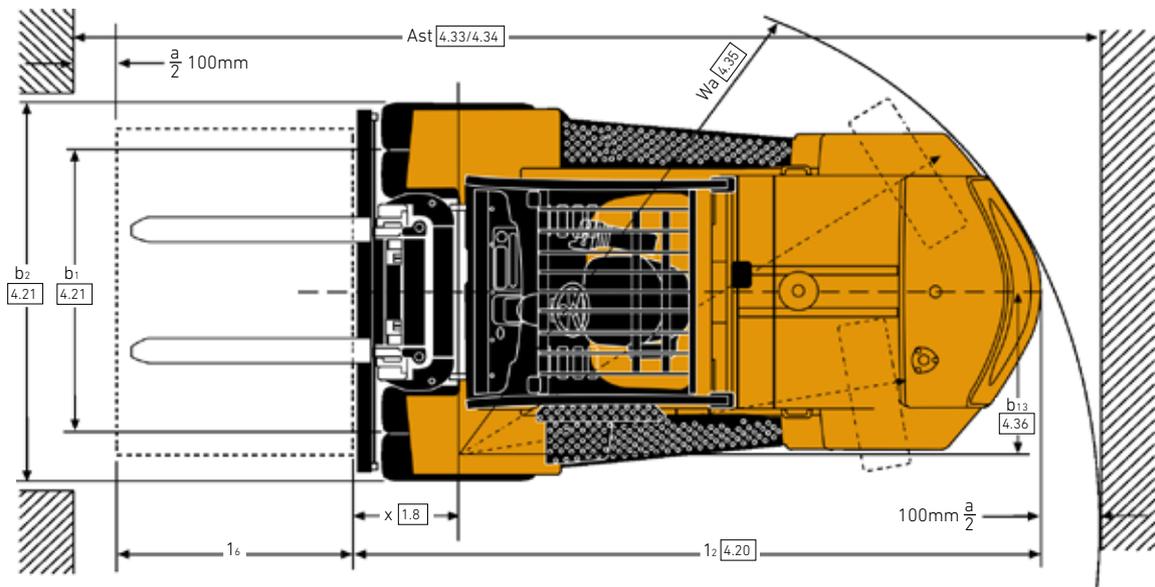
Diesel and LPG
Forklift Trucks

TRUCK DIMENSIONS – VX SERIES

$$Ast = Wa + R + a = Wa + \sqrt{((l_6 + x)^2 + (b_{12}/2 - b_{13})^2)} + a$$



TRUCK DIMENSIONS – VX SERIES



VDI 2198 – GENERAL SPECIFICATIONS – VX SERIES

		Yale							
		GDP 80VX6	GDP 80VX9	GDP 90VX6					
GENERAL	1.1	Manufacturer	Yale						
	1.2	Model designation	Diesel						
	1.3	Drive	Kubota 3.8L 55kW						
	1.3.1	Engine	Stage V						
	1.3.2	CE Compliance / Emission Standard	Techtronix 3						
	1.3.3	Transmission	Oil-Immersed Brakes						
	1.3.4	Brake Type	Seated						
	1.4	Operator type	Seated						
	1.5	Rated capacity/rated load	Q (t)	8,000	9,000				
1.6	Load centre distance	c (mm)	600	900	600				
1.8	Load distance, centre of drive axle to fork	x (mm)	613.5	663.5	613.5				
1.9	Wheelbase	y (mm)	2450						
WEIGHT	2.1	Service weight (w/ std equipment: mast, carriage, forks, etc.)	kg	11487	12417	11956			
	2.2	Axle loading, laden front/rear	kg	17452	5489	18470	5365	18798	5340
	2.3	Axle loading, unladen front/rear	kg	2035	5998	1947	7052	2158	6616
TYRES	3.1	Tyres, front/rear	Pneumatic						
	3.2	Tyre size, front	8.25x15 14PR						
	3.3	Tyre size, rear	8.25x15 14PR						
	3.5	Number of wheels, front/rear (x = driven wheels)	4X/2						
	3.6	Tread, front	b ₁₀ (mm)	2003					
	3.7	Tread, rear	b ₁₁ (mm)	1535					
	DIMENSIONS	4.1	Tilt of mast/fork carriage, forward a /backward	α / β (°)	5/9				
4.2		Height, mast lowered	h ₁ (mm)	2712	3462		2712		
4.3		Free lift ⁽¹⁾	h ₂ (mm)	0					
4.4		Lift ⁽¹⁾	h ₃ (mm)	3065	4565		3065		
4.5		Height, mast extended ⁽²⁾	h ₄ (mm)	4239	5899		4239		
4.7		Height of overhead guard (cabin) ⁽³⁾	h ₆ (mm)	2531					
4.8		Seat height/stand height ⁽⁴⁾	h ₇ (mm)	1558					
4.12		Coupling height	h ₁₀ (mm)	474					
4.19		Overall length	l ₁ (mm)	5096.5	5238		5158		
4.20		Length to face of forks	l ₂ (mm)	3896.5	4038		3958		
4.21		Overall width	b ₁ /b ₂ (mm)	2239					
4.22		Fork dimensions	s/e/l (mm)	60 / 150 / 1200					
4.23		Fork carriage DIN 15173, class/type A/B		IVA					
4.24		Fork carriage width ⁽⁵⁾	b ₃ (mm)	2030					
4.24.1		Fork Spacing -Std Carriage - Minimum Inside to inside edge	mm	65					
4.24.2		Fork Spacing -Std Carriage - Maximum outside to outside edge	mm	1990					
4.31		Ground clearance, laden, below mast	m ₁ (mm)	173					
4.32		Ground clearance, centre of wheelbase	m ₂ (mm)	253					
4.33		Aisle width with pallets 1000 long x 1200 wide	Ast (mm)	5486.5	5607.5		5536.5		
4.34		Aisle width with pallets 800 wide x 1200 long	Ast (mm)	5686.5	5807.5		5736.5		
4.35	Turning radius (outer)	Wa (mm)	3673	3794		3723			
4.36	Inner turning radius	b ₁₃ (mm)	362						
4.41	90° intersecting aisle (With pallet W = 1200mm, L = 1000mm)	mm	3046	3116		3075			
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						
PERFORMANCE	5.1	Travel speed laden/unladen	km/h	19.2/20.3			19/20.2		
	5.2	Lift speed, laden/unladen (2LFL)	m/sec	0.31/0.42		0.31/0.37		0.19/0.42	
	5.3	Lowering speed, laden/unladen (2LFL)	m/sec	0.41/0.37					
	5.5	Drawbar pull, laden/unladen @ 1.6 km/h	kN	52836/32297		52570/31568		52668/31421	
	5.7	Gradeability, laden/unladen @ 1.6 km/h	%	28/29		26/26		25/27	
ENGINE	7.1	Engine manufacturer/type	Kubota 3.8L 55kW						
	7.2	Engine power according to ISO1585	kW	55					
	7.3	Rated speed at max. power	rpm	2200					
	7.4	Number of cylinders/displacement	#/cm ³	4/3769					
	7.5	Fuel consumption according VDI cycle	kg/hr or l/hr	9.879506505	10.40414914		10.70821622		
OTHER	8.1	Type of drive unit	Hydrodynamic						
	8.2	Manufacturer/Type	DANA						
	8.6	Wheel drive/drive axle manufacturer/type	DANA						
	8.11	Service brake	Hydraulic						
	8.12	Parking Brake	Hand Lever						
	10.1	Operating pressure for attachments (nominal relief pressure)	bar	155					
	10.2	Oil volume for attachments (nominal) ⁽⁶⁾	l/min	93					
	10.3	Hydraulic Tank - capacity (drain & refill)	litres	71.7					
	10.4	Fuel Tank - Capacity (Diesel)	litres	74.8					
	10.7	Sound level at driver's ear according DIN 12053 (without / with cab) ⁽⁷⁾	dB(A) LPAZ	79/79					
	10.7.2	Sound power level during the drive cycle ⁽⁷⁾	dB(A) LWAZ	98					
10.7.1	Guaranteed sound power 2001/14/EC	dB (A) LWA	102						
10.8	Towing coupling, type DIN		Pin						

(1) Top of forks

(2) Without load backrest

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

(4) Relative to Full suspension seat SIP

(5) Add 32mm with load backrest

(6) Variable

(7) Measured according to the test cycles and based on the weighting values contained in EN12053

VDI 2198 – GENERAL SPECIFICATIONS – VX SERIES

		Yale					
		GDP 80VX6	GDP 80VX9	GDP 90VX6			
GENERAL	1.1	Manufacturer	Yale				
	1.2	Model designation	GDP 80VX6 GDP 80VX9 GDP 90VX6				
	1.3	Drive	Diesel				
	1.3.1	Engine	Kubota 3.8L 82kW				
	1.3.2	CE Compliance / Emission Standard	Stage V				
	1.3.3	Transmission	Techtronix 3				
	1.3.4	Brake Type	Oil-Immersed Brakes				
	1.4	Operator type	Seated				
	1.5	Rated capacity/rated load	Q (t)	8,000	9,000		
1.6	Load centre distance	c (mm)	600	900			
1.8	Load distance, centre of drive axle to fork	x (mm)	613.5	663.5			
1.9	Wheelbase	y (mm)	2450				
WEIGHT	2.1	Service weight (w/ std equipment: mast, carriage, forks, etc.)	kg	11487	12417	11956	
	2.2	Axle loading, laden front/rear	kg	17452	5489	18470	5365
	2.3	Axle loading, unladen front/rear	kg	2035	5998	1947	7052
TYRES	3.1	Tyres, front/rear	Pneumatic				
	3.2	Tyre size, front	8.25x15 14PR				
	3.3	Tyre size, rear	8.25x15 14PR				
	3.5	Number of wheels, front/rear (x = driven wheels)	4X/2				
	3.6	Tread, front	b ₁₀ (mm)	2003			
	3.7	Tread, rear	b ₁₁ (mm)	1535			
	DIMENSIONS	4.1	Tilt of mast/fork carriage, forward a /backward	α / β (°)	5/9		
4.2		Height, mast lowered	h ₁ (mm)	2712	3462	2712	
4.3		Free lift ⁽¹⁾	h ₂ (mm)	0			
4.4		Lift ⁽¹⁾	h ₃ (mm)	3065	4565	3065	
4.5		Height, mast extended ⁽²⁾	h ₄ (mm)	4239	5899	4239	
4.7		Height of overhead guard (cabin) ⁽³⁾	h ₆ (mm)	2531			
4.8		Seat height/stand height ⁽⁴⁾	h ₇ (mm)	1558			
4.12		Coupling height	h ₁₀ (mm)	474			
4.19		Overall length	l ₁ (mm)	5096.5	5238	5158	
4.20		Length to face of forks	l ₂ (mm)	3896.5	4038	3958	
4.21		Overall width	b ₁ /b ₂ (mm)	2239			
4.22		Fork dimensions	s/e/l (mm)	60 / 150 / 1200			
4.23		Fork carriage DIN 15173, class/type A/B		IVA			
4.24		Fork carriage width ⁽⁵⁾	b ₃ (mm)	2030			
4.24.1		Fork Spacing -Std Carriage - Minimum Inside to inside edge	mm	65			
4.24.2		Fork Spacing -Std Carriage - Maximum outside to outside edge	mm	1990			
4.31		Ground clearance, laden, below mast	m ₁ (mm)	173			
4.32		Ground clearance, centre of wheelbase	m ₂ (mm)	253			
4.33		Aisle width with pallets 1000 long x 1200 wide	Ast (mm)	5486.5	5607.5	5536.5	
4.34	Aisle width with pallets 800 wide x 1200 long	Ast (mm)	5686.5	5807.5	5736.5		
4.35	Turning radius (outer)	Wa (mm)	3673	3794	3723		
4.36	Inner turning radius	b ₁₃ (mm)	362				
4.41	90° intersecting aisle (With pallet W = 1200mm, L = 1000mm)	mm	3046	3116	3075		
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				
PERFORMANCE	5.1	Travel speed laden/unladen	km/h	21.5/22.5	21.4/22.4		
	5.2	Lift speed, laden/unladen (2LFL)	m/sec	0.43/0.45	0.39/0.41	0.43/0.45	
	5.3	Lowering speed, laden/unladen (2LFL)	m/sec	0.41/0.37			
	5.5	Drawbar pull, laden/unladen @ 1.6 km/h	kN	53379/32297	53379/31568		
	5.7	Gradeability, laden/unladen @ 1.6 km/h	%	28/29	27/26	27/27	
ENGINE	7.1	Engine manufacturer/type	Kubota 3.8L 82kW				
	7.2	Engine power according to ISO1585	kW	82			
	7.3	Rated speed at max. power	rpm	2400			
	7.4	Number of cylinders/displacement	#/cm ³	4/3769			
	7.5	Fuel consumption according VDI cycle	kg/hr or l/hr	10.62312527	11.18725714	11.51421099	
OTHER	8.1	Type of drive unit	Hydrodynamic				
	8.2	Manufacturer/Type	DANA				
	8.6	Wheel drive/drive axle manufacturer/type	DANA				
	8.11	Service brake	Hydraulic				
	8.12	Parking Brake	Hand Lever				
	10.1	Operating pressure for attachments (nominal relief pressure)	bar	155			
	10.2	Oil volume for attachments (nominal) ⁽⁶⁾	l/min	93			
	10.3	Hydraulic Tank - capacity (drain & refill)	litres	71.7			
	10.4	Fuel Tank - Capacity (Diesel)	litres	74.8			
	10.7	Sound level at driver's ear according DIN 12053 (without / with cab) ⁽⁷⁾	dB(A) LPAZ	79/79			
	10.7.2	Sound power level during the drive cycle ⁽⁷⁾	dB(A) LWAZ	101			
10.7.1	Guaranteed sound power 2001/14/EC	dB (A) LWA	105				
10.8	Towing coupling, type DIN		Pin				

Spec sheet 80VX6 truck based on: 5500mm Bottom of Forks / 5565mm Top of Forks F80 2 stage LFL mast with 2030mm standard carriage, 1200mm forks

Spec sheet 80VX9 truck based on: 4500mm Bottom of Forks / 4565mm Top of Forks F90 2 stage LFL mast with 2030mm standard carriage, 1800mm forks

Spec sheet 90VX6 truck based on: 4500mm Bottom of Forks / 4565mm Top of Forks F80 2 stage LFL mast with 2030mm standard carriage, 1200mm forks

Notes:

- Other tyre options are available
- Backtilt limited to 6° with some mast options
- Carriage is 2030mm wide, load backrest is 2080mm wide
- Single tyre option requires application survey quotation to be submitted to SPED for approval prior to order

All values are nominal values and they are subject to tolerances.

VDI 2198 – GENERAL SPECIFICATIONS – VX SERIES

		Yale							
		GDP 80VX6	GDP 80VX9	GDP 90VX6					
GENERAL	1.1	Manufacturer	Yale						
	1.2	Model designation	GDP 80VX6	GDP 80VX9	GDP 90VX6				
	1.3	Drive	Diesel						
	1.3.1	Engine	Kubota 3.8L 82kW Non-Regulated Dsl						
	1.3.2	CE Compliance / Emission Standard	-						
	1.3.3	Transmission	DuraMatch™ 3						
	1.3.4	Brake Type	Oil-Immersed Brakes						
	1.4	Operator type	Seated						
	1.5	Rated capacity/rated load	Q (t)	8,000	9,000				
1.6	Load centre distance	c (mm)	600	900	600				
1.8	Load distance, centre of drive axle to fork	x (mm)	613.5	663.5	613.5				
1.9	Wheelbase	y (mm)	2450						
WEIGHT	2.1	Service weight (w/ std equipment: mast, carriage, forks, etc.)	kg	11487	12417	11956			
	2.2	Axle loading, laden front/rear	kg	17452	5489	18470	5365	18798	5340
	2.3	Axle loading, unladen front/rear	kg	2035	5998	1947	7052	2158	6616
TYRES	3.1	Tyres, front/rear	Pneumatic						
	3.2	Tyre size, front	8.25x15 14PR						
	3.3	Tyre size, rear	8.25x15 14PR						
	3.5	Number of wheels, front/rear (x = driven wheels)	4X/2						
	3.6	Tread, front	b ₁₀ (mm)	2003					
	3.7	Tread, rear	b ₁₁ (mm)	1535					
	DIMENSIONS	4.1	Tilt of mast/fork carriage, forward a /backward	α / β (°)	5/9				
4.2		Height, mast lowered	h ₁ (mm)	2712	3462	2712			
4.3		Free lift ⁽¹⁾	h ₂ (mm)	0					
4.4		Lift ⁽¹⁾	h ₃ (mm)	3065	4565	3065			
4.5		Height, mast extended ⁽²⁾	h ₄ (mm)	4239	5899	4239			
4.7		Height of overhead guard (cabin) ⁽³⁾	h ₆ (mm)	2531					
4.8		Seat height/stand height ⁽⁴⁾	h ₇ (mm)	1558					
4.12		Coupling height	h ₁₀ (mm)	474					
4.19		Overall length	l ₁ (mm)	5096.5	5238	5158			
4.20		Length to face of forks	l ₂ (mm)	3896.5	4038	3958			
4.21		Overall width	b ₁ /b ₂ (mm)	2239					
4.22		Fork dimensions	s/e/l (mm)	60 / 150 / 1200					
4.23		Fork carriage DIN 15173, class/type A/B		IVA					
4.24		Fork carriage width ⁽⁵⁾	b ₃ (mm)	2030					
4.24.1		Fork Spacing -Std Carriage - Minimum Inside to inside edge	mm	65					
4.24.2		Fork Spacing -Std Carriage - Maximum outside to outside edge	mm	1990					
4.31		Ground clearance, laden, below mast	m ₁ (mm)	173					
4.32		Ground clearance, centre of wheelbase	m ₂ (mm)	253					
4.33		Aisle width with pallets 1000 long x 1200 wide	Ast (mm)	5486.5	5607.5	5536.5			
4.34		Aisle width with pallets 800 wide x 1200 long	Ast (mm)	5686.5	5807.5	5736.5			
4.35	Turning radius (outer)	Wa (mm)	3673	3794	3723				
4.36	Inner turning radius	b ₁₃ (mm)	362						
4.41	90° intersecting aisle (With pallet W = 1200mm, L = 1000mm)	mm	3046	3116	3075				
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						
PERFORMANCE	5.1	Travel speed laden/unladen	km/h	21.5/22.5	21.4/22.4				
	5.2	Lift speed, laden/unladen (2LFL)	m/sec	0.43/0.45	0.39/0.41	0.43/0.45			
	5.3	Lowering speed, laden/unladen (2LFL)	m/sec	0.41/0.37					
	5.5	Drawbar pull, laden/unladen @ 1.6 km/h	kN	53379/32297	53379/31568	53379/31421			
	5.7	Gradeability, laden/unladen @ 1.6 km/h	%	28/29	27/26	27/27			
ENGINE	7.1	Engine manufacturer/type	Kubota 3.8L 81.5kW						
	7.2	Engine power according to ISO1585	kW	81.5					
	7.3	Rated speed at max. power	rpm	2400					
	7.4	Number of cylinders/displacement	#/cm ³	4/3769					
	7.5	Fuel consumption according VDI cycle	kg/hr or l/hr	10.6	11.2	11.5			
OTHER	8.1	Type of drive unit	Hydrodynamic						
	8.2	Manufacturer/Type	DANA						
	8.6	Wheel drive/drive axle manufacturer/type	DANA						
	8.11	Service brake	Hydraulic						
	8.12	Parking Brake	Hand Lever						
	10.1	Operating pressure for attachments (nominal relief pressure)	bar	155					
	10.2	Oil volume for attachments (nominal) ⁽⁶⁾	l/min	93					
	10.3	Hydraulic Tank - capacity (drain & refill)	litres	71.7					
	10.4	Fuel Tank - Capacity (Diesel)	litres	74.8					
	10.7	Sound level at driver's ear according DIN 12053 (without / with cab) ⁽⁷⁾	dB(A) LPAZ	79/79					
	10.7.2	Sound power level during the drive cycle ⁽⁷⁾	dB(A) LWAZ	101					
10.7.1	Guaranteed sound power 2001/14/EC	dB (A) LWA	105						
10.8	Towing coupling, type DIN		Pin						

(1) Top of forks

(2) Without load backrest

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

(4) Relative to Full suspension seat SIP

(5) Add 32mm with load backrest

(6) Variable

(7) Measured according to the test cycles and based on the weighting values contained in EN12053

VDI 2198 – GENERAL SPECIFICATIONS – VX SERIES

		GLP 80VX6			GLP 80VX9		GLP 90VX6		
GENERAL	1.1	Manufacturer	Yale						
	1.2	Model designation	GLP 80VX6		GLP 80VX9		GLP 90VX6		
	1.3	Drive	LPG						
	1.3.1	Engine	GM 5.7L						
	1.3.2	CE Compliance / Emission Standard	Stage V						
	1.3.3	Transmission	Techtronix 3						
	1.3.4	Brake Type	Oil-Immersed Brakes						
	1.4	Operator type	Seated						
	1.5	Rated capacity/rated load	Q (t)	8,000			9,000		
	1.6	Load centre distance	c (mm)	600		900		600	
1.8	Load distance, centre of drive axle to fork	x (mm)	613.5		663.5		613.5		
1.9	Wheelbase	y (mm)	2450						
WEIGHT	2.1	Service weight (w/ std equipment: mast, carriage, forks, etc.)	kg	11487		12417		11956	
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	2.3	Axle loading, unladen front/rear	kg	2035 / 5998		1947 / 7052		2158 / 6616	
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	3.2	Tyre size, front	8.25x15 14PR						
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	3.5	Number of wheels, front/rear (x = driven wheels)	4X/2						
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	DIMENSIONS	4.1	Tilt of mast/fork carriage, forward a /backward	α / β (°)	5/9				
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4.12		Coupling height	h ₁₀ (mm)	474					
4.19		Overall length	l ₁ (mm)	5096.5		5238		5158	
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4.21		Overall width	b ₁ /b ₂ (mm)	2239					
4.22		Fork dimensions	s/e/l (mm)	60 / 150 / 1200					
4.23		Fork carriage DIN 15173, class/type A/B		IVA					
4.24		Fork carriage width ⁽⁵⁾	b ₃ (mm)	2030					
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4.31		Ground clearance, laden, below mast	m ₁ (mm)	173					
4.32		Ground clearance, centre of wheelbase	m ₂ (mm)	253					
4.33		Aisle width with pallets 1000 long x 1200 wide	Ast (mm)	5486.5		5607.5		5536.5	
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4.41	90° intersecting aisle (With pallet W = 1200mm, L = 1000mm)	mm	3046		3116		3075		
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						
PERFORMANCE	5.1	Travel speed laden/unladen	km/h	21.5/22.5		21.4/22.4			
	5.2	Lift speed, laden/unladen (2LFL)	m/sec	0.43/0.45		0.39/0.41		0.43/0.45	
	5.3	Lowering speed, laden/unladen (2LFL)	m/sec	0.41/0.37					
	5.5	Drawbar pull, laden/unladen @ 1.6 km/h	kN	53379/32297		53379/31568		53379/31421	
	5.7	Gradeability, laden/unladen @ 1.6 km/h	%	28/29		27/26		27/27	
	ENGINE	7.1	Engine manufacturer/type	GM 5.7L V8					
7.2		Engine power according to ISO1585	kW	99					
7.3		Rated speed at max. power	rpm	2400					
7.4		Number of cylinders/displacement	#/cm ³	8/5735					
7.5		Fuel consumption according VDI cycle	kg/hr or l/hr	-		10.4		-	
OTHER		8.1	Type of drive unit	Hydrodynamic					
	8.2	Manufacturer/Type	DANA						
	8.6	Wheel drive/drive axle manufacturer/type	DANA						
	8.11	Service brake	Hydraulic						
	8.12	Parking Brake	Hand Lever						
	10.1	Operating pressure for attachments (nominal relief pressure)	bar	155					
	10.2	Oil volume for attachments (nominal) ⁽⁶⁾	l/min	93					
	10.3	Hydraulic Tank - capacity (drain & refill)	litres	71.7					
	10.4	Fuel Tank - Capacity (Diesel)	litres	74.8					
	10.7	Sound level at driver's ear according DIN 12053 (without / with cab) ⁽⁷⁾	dB(A) LPAZ	82/79					
	10.7.2	Sound power level during the drive cycle ⁽⁷⁾	dB(A) LWAZ	103					
	10.7.1	Guaranteed sound power 2001/14/EC	dB (A) LWA	107					
10.8	Towing coupling, type DIN		Pin						

Spec sheet 80VX6 truck based on: 5500mm Bottom of Forks / 5565mm Top of Forks F80 2 stage LFL mast with 2030mm standard carriage, 1200mm forks

Spec sheet 80VX9 truck based on: 4500mm Bottom of Forks / 4565mm Top of Forks F90 2 stage LFL mast with 2030mm standard carriage, 1800mm forks

Spec sheet 90VX6 truck based on: 4500mm Bottom of Forks / 4565mm Top of Forks F80 2 stage LFL mast with 2030mm standard carriage, 1200mm forks

Notes:

- Other tyre options are available
- Backtilt limited to 6° with some mast options
- Carriage is 2030mm wide, load backrest is 2080mm wide
- Single tyre option requires application survey quotation to be submitted to SPED for approval prior to order

All values are nominal values and they are subject to tolerances.

MAST DIMENSIONS – VX SERIES

h ₁ (mm)	h _{2+S} (mm)	h ₃ (mm)	h ₄ (mm)	Tilt		Capacities (kg) @ 600mm Load Centre					
						Dual Drive Wheel with carriage		Dual Drive Wheel with carriage + sideshift		Dual Drive Wheel with carriage + sideshifting fork positioner	
				F	B	Capacity at max. height (kg)	Capacity to lift height (kg to mm)	Capacity at max. height (kg)	Capacity to lift height (kg to mm)	Capacity at max. height (kg)	Capacity to lift height (kg to mm)
2-Stage Limited Free-Lift (LFL) Mast											
2712	-	3065	4225	5	9	8000	-	7580	-	7530	-
2962	-	3565	4725	5	9	8000	-	7570	-	7520	-
3462	-	4565	5725	5	9	8000	-	7540	-	7500	-
3962	-	5565	6725	5	9	8000	-	7520	-	7470	-
4212	-	6065	7225	5	9	7710	8000 to 5815	7240	7510 to 5815	7200	7460 to 5815
3-Stage Limited Free-Lift (LFL) Mast											
2702	1565	4615	5952	5	9	8000	-	7560	-	7530	-
3002	1865	5515	6852	5	9	8000	-	7540	-	7510	-
3152	2015	5965	7302	5	9	7940	8000 to 5915	7480	7530 to 5915	7450	7500 to 5915

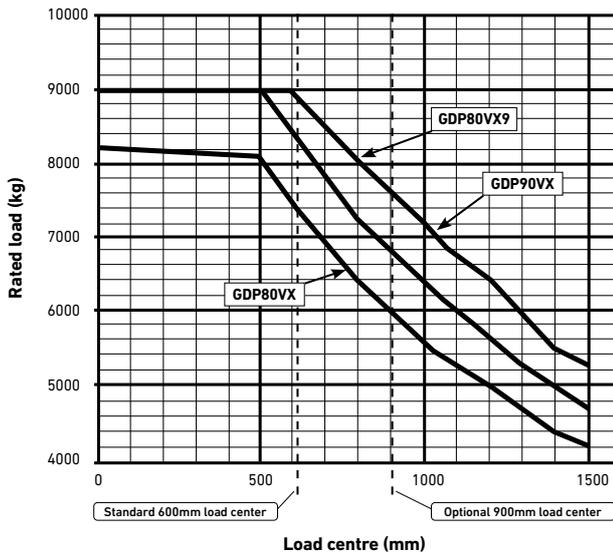
MAST DIMENSIONS – VX SERIES

h ₁ (mm)	h _{2+S} (mm)	h ₃ (mm)	h ₄ (mm)	Tilt		Capacities (kg) @ 900mm Load Centre					
						Dual Drive Wheel with carriage		Dual Drive Wheel with carriage + sideshift		Dual Drive Wheel with carriage + sideshifting fork positioner	
				F	B	Capacity at max. height (kg)	Capacity to lift height (kg to mm)	Capacity at max. height (kg)	Capacity to lift height (kg to mm)	Capacity at max. height (kg)	Capacity to lift height (kg to mm)
2-Stage Limited Free-Lift (LFL) Mast											
2712	-	3065	3065	5	9	8000	-	7580	-	7550	-
2962	-	3565	3565	5	9	8000	-	7560	-	7530	-
3462	-	4565	4565	5	9	8000	-	7530	-	7500	-
3962	-	5565	5565	5	9	7920	8000 to 5265	7420	7500 to 5265	7390	7460 to 5265
4212	-	6065	6065	5	9	7770	8000 to 5265	7270	7480 to 5265	7240	7440 to 5265
3-Stage Limited Free-Lift (LFL) Mast											
2702	1405	4615	5952	5	9	8000	-	7560	-	7530	-
3002	1705	5515	6852	5	9	7770	8000 to 5365	7320	7530 to 4615	7290	7500 to 6515
3152	1855	5965	7302	5	9	7650	8000 to 5365	7180	7510 to 4615	7150	7480 to 4615

MAST DIMENSIONS – VX SERIES

h ₁ (mm)	h _{2+S} (mm)	h ₃ (mm)	h ₄ (mm)	Tilt		Capacities (kg) @ 600mm Load Centre					
						Dual Drive Wheel with carriage		Dual Drive Wheel with carriage + sideshift		Dual Drive Wheel with carriage + sideshifting fork positioner	
				F	B	Capacity at max. height (kg)	Capacity to lift height (kg to mm)	Capacity at max. height (kg)	Capacity to lift height (kg to mm)	Capacity at max. height (kg)	Capacity to lift height (kg to mm)
2-Stage Limited Free-Lift (LFL) Mast											
2712	-	3065	4225	5	9	9000	-	8500	-	8460	-
2962	-	3565	4725	5	9	9000	-	8490	-	8440	-
3462	-	4565	5725	5	9	9000	-	8470	-	8420	-
3962	-	5565	6725	5	9	8720	9000 to 5315	8190	8450 to 5315	8140	8400 to 5315
4212	-	6065	7225	5	9	8120	9000 to 5315	7620	8440 to 5315	7570	8390 to 5315
3-Stage Limited Free-Lift (LFL) Mast											
2702	1565	4615	5952	5	9	9000	-	8500	-	8470	-
3002	1865	5515	6852	5	9	8830	9000 to 5365	8320	8480 to 5365	8290	8450 to 5365
3152	2015	5965	7302	5	9	8300	9000 to 5365	7810	8470 to 5365	7780	8430 to 5365

RATED CAPACITIES – VX SERIES



Truck Configuration:

2-stage LFL F80 mast at HNHL (5565mm MFH) 80VX6 models.

2-stage LFL F80 mast at HNHL (5315mm MFH) 90VX6 models.

2-stage LFL F90 mast at HNHL (5065mm MFH) 80VX9 models.

2030mm standard hook carriage with load backrest

Basic Truck:

DSL with 3-speed basic transmission and Overhead Guard solid Pneumatic tyres

The ratings are computed using fork lengths as below:

RATED CAPACITIES – VX SERIES

All models	
Load Centre (mm)	Fork length (mm)
500 to 700	1200
Over 700 to 1000	1500
Over 1000 to 1200	1800
Over 1220	2400

Note:

Special forks with higher load ratings are required to obtain full truck ratings on load centers greater than 1000mm on GDP/GLP 80VX9 and greater than 1300mm on GDP/GLP 90VX6

ENGINE SPECIFICATIONS – VX SERIES

Kubota 3.8L		GM 5.7L	
CE Compliance / Emission Standard	Stage V	CE Compliance / Emission Standard	Stage V
Cylinders	Inline 4	Cylinders	V8
Displacement	3.8 litre	Displacement	5.7 litre
Torque	415Nm @ 1,400rpm	Torque	422Nm @ 1,500rpm
Power	82kW @ 2,400rpm	Power	99kW @ 2,400rpm

All values are nominal values and they are subject to tolerances.







About Yale®

Yale Materials Handling Corporation is one of the oldest manufacturers of lift trucks in the world. We've been in the business of lifting since 1875 and we apply that experience to help customers solve materials handling challenges. Our full line of lift trucks range in capacity from 1 to 16 tonne and are powered by internal combustion engines or electric options. Yale also offers robotic solutions, telemetry, fleet management, parts, financing and training. From traditional lift truck equipment to emerging technologies, our goal, every day, is to work with our nationwide dealer network to continually improve and provide the solutions you need, when and how you need them.

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Safety: All Yale products sold into EU countries, UK, and Turkey conform to the EU requirements of Machinery Directive 2006/42/EC and contain **CE** marking. Yale trucks sold into other countries may be ordered for production in conformance with Machinery Directive requirements, and when so ordered will contain **CE** marking.

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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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