



GDP/GLP 50-70UX6

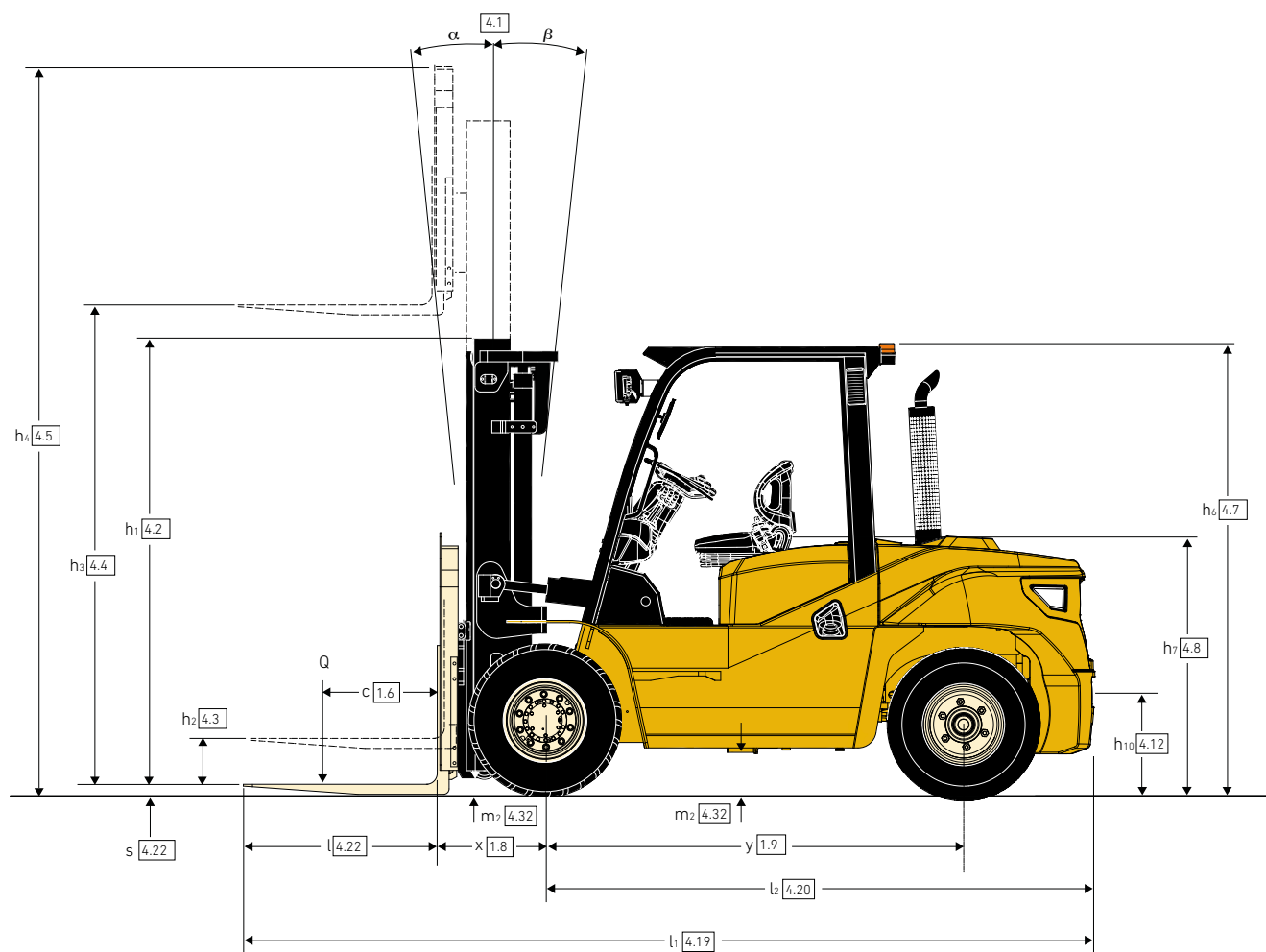
SPEC SHEET

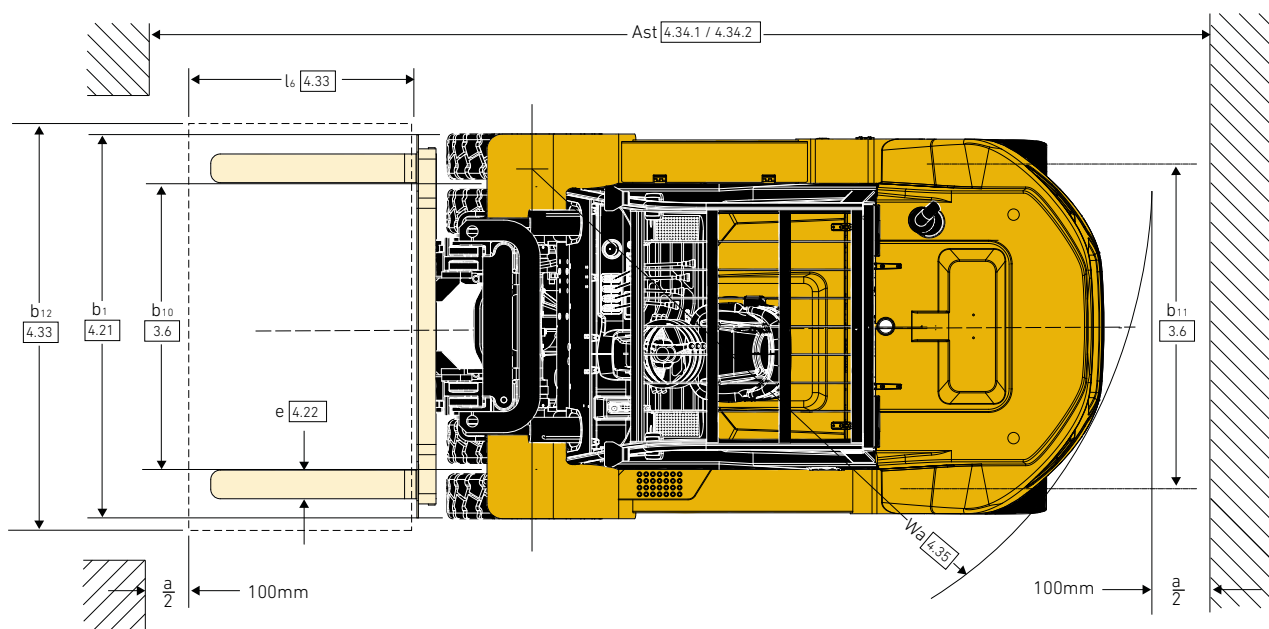
5,000 - 7,000 kg

UX Series

Diesel and LPG
Forklift Trucks

TRUCK DIMENSIONS – UX SERIES





VDI 2198 – GENERAL SPECIFICATIONS – UX SERIES

GENERAL	1-1	Manufacturer		Yale	
	1-2	Model designation		GDP 50UX6	
	1-3	Drive		Diesel	
	1-3-1	CE Compliance / Emission Standard		Stage IIIA	Stage V
	1-4	Operator type		Seat	
	1-5	Rated capacity/Rated load	Q (kg)	5000	
	1-6	Load centre distance	c (mm)	600	
	1-8	Load distance, centre of drive axle to fork	x (mm)	590	
	1-9	Wheelbase (with mast vertical)	y (mm)	2300	
WEIGHT	2-1	Service weight	kg	8360	
	2-2	Axle loading, unladen front/rear	kg	12090 / 1270	
	2-3	Axle loading fork retracted, laden front/rear	kg	3840 / 4520	
TYRES	3-1	Tyres, front/rear		Superelastic	
	3-2	Tyre size, front		8.25-15NHS	
	3-3	Tyre size, rear		8.25-15NHS	
	3-5	Wheels, number front/rear (x = driven wheels)		4 x 2	
	3-6	Track width, front	b ₁₀ (mm)	1489	
	3-7	Track width, rear	b ₁₁ (mm)	1700	
DIMENSIONS	4-1	Mast tilt, forward / back	α / β (°)	10/12	
	4-2	Height of mast, lowered	h ₁ (mm)	2500	
	4-3	Free lift	h ₂ (mm)	205	
	4-4	Lift height	h ₃ (mm)	3000	
	4-5	Height of mast, extended	h ₄ (mm)	4425	
	4-7	Height to top of overhead guard	h ₆ (mm)	2450	
	4-8	Seat height	h ₇ (mm)	1400	
	4-12	Towing coupling height	h ₁₀ (mm)	345	
	4-19	Overall length	l ₁ (mm)	4715	
	4-20	Length to face of forks	l ₂ (mm)	3495	
	4-21	Overall width, Standard / Dual	b ₁ / b ₂ (mm)	2020	
	4-22	Fork dimensions ISO2331	s/e/l (mm)	65 / 150 / 1220	
	4-23	Fork carriage to DIN 15173. Class, A/B		ISO 4A	
	4-24	Fork carriage width	b ₃ (mm)	1845	
	4-31	Ground clearance under mast, with load	m ₁ (mm)	200	
	4-32	Ground clearance at centre of wheelbase	m ₂ (mm)	230	
	4-33	Load dimension b ₁₂ x l ₆ crossways	b ₁₂ x l ₆ (mm)	1000 x 1000	
	4-34	Aisle width with predetermined load dimensions	Ast (mm)	5260	
	4-34-1	Aisle width with pallets 1000mm x 1200mm crossways	Ast (mm)	5260	
	4-34-2	Aisle width with pallets 800mm x 1200mm crossways	Ast (mm)	5260	
	4-35	Outer turning radius	Wa (mm)	3250	
	4-36	Inner turning radius	b ₁₃ (mm)	1105	
PERFORMANCE	5-1	Travel speed laden/unladen - Shift 2	km/h	29 / 30	24 / 25
	5-1-1	Travel speed laden/unladen - Shift 1	km/h	9.5 / 9.5	9.0 / 9.0
	5-1-2	Travel speed, laden / unladen, backwards - Shift 2	km/h	29 / 30	24 / 25
	5-1-3	Travel speed, laden / unladen, backwards - Shift 1	km/h	9.5 / 9.5	9.0 / 9.0
	5-2	Lifting speed laden/unladen	mm/s	430 / 460	
	5-3	Lowering speed laden/unladen	mm/s	500 / 400	
	5-6	Maximum drawbar pull laden/unladen	N	65000 / 37000	61000 / 36000
	5-7	Gradeability laden/unladen, @ 1.6km/h	%	33 / 20	30 / 20
	5-9	Acceleration time with/without load (S) 15m	s	6.47(S1) / 6.65(S2)	6.5(S1) / 6.17(S2)
	5-9-1	Acceleration time with/without load (S) 15m	s	5.83(S1) / 5.23(S2)	5.83(S1) / 5.23(S2)
	5-10	Service brake		Hydraulic	
ENGINE	7-1	Engine manufacturer/type		Mitsubishi S6S-T	Kubota V3800-CR-TE5CB-HYM-1
	7-2	Engine output, in accordance with ISO1585	kW	63.9	54.6
	7-3	Governed speed	min-1	2300	2200
	7-4	Number of cylinders/displacement	(-) / (cm3)	6/4996	4/3769
	7-5	Fuel consumption in accordance with VDI cycle	l/h or kg/h	12.16l/h / 10.2kg/h	9.97l/h / 8.36kg/h
	7-6	Turnover output	t/h	435t/h	442t/h
	7-7	Energy consumption at turnover output	l/h or kg/h	12.47l/h / 10.46kg/h	12.5l/h / 10.9kg/h
	7-8	Generator	A	50	100
	7-9	Vehicle electrical system voltage	V	24	12
	7-10	Battery voltage/nominal capacity	V/Ah	02-12/90	12/135
OTHER	8-1	Type of drive unit		E-Hydraulic	
	10-1	Operating pressure for attachments	bar	195	
	10-2	Oil volume for attachments	l/min	80	
	10-4	Fule tank, capacity	l	140	
	10-7	Average noise level at operator's ear EN 12053	dB (A)	86	81.4
	10-7-1	Sound power level during the workcycle	dB (A)	107.2	98.3
	10-8	Towing coupling, type DIN 15170		PIN	

VDI 2198 – GENERAL SPECIFICATIONS – UX SERIES

GENERAL	1-1	Manufacturer		Yale	
	1-2	Model designation		GDP 60UX6	
	1-3	Drive		Diesel	
	1-3-1	CE Compliance / Emission Standard		Stage IIIA	Stage V
	1-4	Operator type		Seat	
	1-5	Rated capacity/Rated load	Q (kg)	6000	
	1-6	Load centre distance	c (mm)	600	
	1-8	Load distance, centre of drive axle to fork	x (mm)	590	
	1-9	Wheelbase (with mast vertical)	y (mm)	2300	
WEIGHT	2-1	Service weight	kg	9010	
	2-2	Axle loading, unladen front/rear	kg	13450 / 1560	
	2-3	Axle loading fork retracted, laden front/rear	kg	4380 / 4630	
TYRES	3-1	Tyres, front/rear		Superelastic	
	3-2	Tyre size, front		8.25-15NHS	
	3-3	Tyre size, rear		8.25-15NHS	
	3-5	Wheels, number front/rear (x = driven wheels)		4 x 2	
	3-6	Track width, front	b ₁₀ (mm)	1489	
	3-7	Track width, rear	b ₁₁ (mm)	1700	
DIMENSIONS	4-1	Mast tilt, forward / back	α / β (°)	10/12	
	4-2	Height of mast, lowered	h ₁ (mm)	2500	
	4-3	Free lift	h ₂ (mm)	205	
	4-4	Lift height	h ₃ (mm)	3000	
	4-5	Height of mast, extended	h ₄ (mm)	4425	
	4-7	Height to top of overhead guard	h ₆ (mm)	2450	
	4-8	Seat height	h ₇ (mm)	1400	
	4-12	Towing coupling height	h ₁₀ (mm)	345	
	4-19	Overall length	l ₁ (mm)	4785	
	4-20	Length to face of forks	l ₂ (mm)	3565	
	4-21	Overall width, Standard / Dual	b ₁ / b ₂ (mm)	2020	
	4-22	Fork dimensions ISO2331	s/e/l (mm)	65 / 150 / 1220	
	4-23	Fork carriage to DIN 15173. Class, A/B		ISO 4A	
	4-24	Fork carriage width	b ₃ (mm)	1845	
	4-31	Ground clearance under mast, with load	m ₁ (mm)	200	
	4-32	Ground clearance at centre of wheelbase	m ₂ (mm)	230	
	4-33	Load dimension b ₁₂ x l ₆ crossways	b ₁₂ x l ₆ (mm)	1000 x 1000	
	4-34	Aisle width with predetermined load dimensions	Ast (mm)	5310	
	4-34-1	Aisle width with pallets 1000mm x 1200mm crossways	Ast (mm)	5310	
	4-34-2	Aisle width with pallets 800mm x 1200mm crossways	Ast (mm)	5310	
PERFORMANCE	5-1	Travel speed laden/unladen - Shift 2	km/h	29 / 30	24 / 25
	5-1-1	Travel speed laden/unladen - Shift 1	km/h	9.5 / 9.5	9.0 / 9.0
	5-1-2	Travel speed, laden / unladen, backwards - Shift 2	km/h	29 / 30	24 / 25
	5-1-3	Travel speed, laden / unladen, backwards - Shift 1	km/h	9.5 / 9.5	9.0 / 9.0
	5-2	Lifting speed laden/unladen	mm/s	430 / 460	
	5-3	Lowering speed laden/unladen	mm/s	500 / 400	
	5-6	Maximum drawbar pull laden/unladen	N	65000 / 37000	61000 / 36000
	5-7	Gradeability laden/unladen, @ 1.6km/h	%	30 / 20	23 / 20
	5-9	Acceleration time with/without load (S) 15m	s	6.47(S1) / 6.65(S2)	6.5(S1) / 6.17(S2)
	5-9-1	Acceleration time with/without load (S) 15m	s	5.83(S1) / 5.23(S2)	5.83(S1) / 5.23(S2)
ENGINE	5-10	Service brake		Hydraulic	
	7-1	Engine manufacturer/type		Mitsubishi S6S-T	Kubota V3800-CR-TE5CB-HYM-1
	7-2	Engine output, in accordance with ISO1585	kW	63.9	54.6
	7-3	Governed speed	min-1	2300	2200
	7-4	Number of cylinders/displacement	(-) / (cm3)	6/4996	4/3769
	7-5	Fuel consumption in accordance with VDI cycle	l/h or kg/h	12.16l/h / 10.2kg/h	9.97l/h / 8.36kg/h
	7-6	Turnover output	t/h	435t/h	442t/h
	7-7	Energy consumption at turnover output	l/h or kg/h	12.47l/h / 10.46kg/h	12.5l/h / 10.9kg/h
	7-8	Generator	A	50	100
	7-9	Vehicle electrical system voltage	V	24	12
OTHER	7-10	Battery voltage/nominal capacity	V/Ah	02-12/90	12/135
	8-1	Type of drive unit		E-Hydraulic	
	10-1	Operating pressure for attachments	bar	195	
	10-2	Oil volume for attachments	l/min	80	
	10-4	Fule tank, capacity	l	140	
	10-7	Average noise level at operator's ear EN 12053	dB (A)	86	81.4
	10-7-1	Sound power level during the workcycle	dB (A)	107.2	98.3
	10-8	Towing coupling, type DIN 15170		PIN	

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

VDI 2198 – GENERAL SPECIFICATIONS – UX SERIES

GENERAL	1-1	Manufacturer		Yale	
	1-2	Model designation		GDP 70UX6	
	1-3	Drive		Diesel	
	1-3-1	CE Compliance / Emission Standard		Stage IIIA	Stage V
	1-4	Operator type		Seat	
	1-5	Rated capacity/Rated load	Q (kg)	7000	
	1-6	Load centre distance	c (mm)	600	
	1-8	Load distance, centre of drive axle to fork	x (mm)	590	
	1-9	Wheelbase (with mast vertical)	y (mm)	2300	
WEIGHT	2-1	Service weight	kg	9650	
	2-2	Axle loading, unladen front/rear	kg	14900 / 1750	
	2-3	Axle loading fork retracted, laden front/rear	kg	4050 / 5600	
TYRES	3-1	Tyres, front/rear		Superelastic	
	3-2	Tyre size, front		8.25-15NHS	
	3-3	Tyre size, rear		8.25-15NHS	
	3-5	Wheels, number front/rear (x = driven wheels)		4 x 2	
	3-6	Track width, front	b ₁₀ (mm)	1489	
	3-7	Track width, rear	b ₁₁ (mm)	1700	
DIMENSIONS	4-1	Mast tilt, forward / back	α / β (°)	10 / 12	
	4-2	Height of mast, lowered	h ₁ (mm)	2625	
	4-3	Free lift	h ₂ (mm)	205	
	4-4	Lift height	h ₃ (mm)	3000	
	4-5	Height of mast, extended	h ₄ (mm)	4425	
	4-7	Height to top of overhead guard	h ₆ (mm)	2450	
	4-8	Seat height	h ₇ (mm)	1400	
	4-12	Towing coupling height	h ₁₀ (mm)	345	
	4-19	Overall length	l ₁ (mm)	4830	
	4-20	Length to face of forks	l ₂ (mm)	3610	
	4-21	Overall width, Standard / Dual	b ₁ / b ₂ (mm)	2020	
	4-22	Fork dimensions ISO2331	s/e/l (mm)	65 / 150 / 1220	
	4-23	Fork carriage to DIN 15173. Class, A/B		ISO 4A	
	4-24	Fork carriage width	b ₃ (mm)	1845	
	4-31	Ground clearance under mast, with load	m ₁ (mm)	200	
	4-32	Ground clearance at centre of wheelbase	m ₂ (mm)	230	
	4-33	Load dimension b ₁₂ x l ₆ crossways	b ₁₂ x l ₆ (mm)	1000 x 1000	
	4-34	Aisle width with predetermined load dimensions	Ast (mm)	5370	
	4-34-1	Aisle width with pallets 1000mm x 1200mm crossways	Ast (mm)	5370	
	4-34-2	Aisle width with pallets 800mm x 1200mm crossways	Ast (mm)	5370	
	4-35	Outer turning radius	Wa (mm)	3360	
	4-36	Inner turning radius	b ₁₃ (mm)	1105	
PERFORMANCE	5-1	Travel speed laden/unladen - Shift 2	km/h	29 / 30	24 / 25
	5-1-1	Travel speed laden/unladen - Shift 1	km/h	9.5 / 9.5	9.0 / 9.0
	5-1-2	Travel speed, laden / unladen, backwards - Shift 2	km/h	29 / 30	24 / 25
	5-1-3	Travel speed, laden / unladen, backwards - Shift 1	km/h	9.5 / 9.5	9.0 / 9.0
	5-2	Lifting speed laden/unladen	mm/s	430 / 460	
	5-3	Lowering speed laden/unladen	mm/s	500 / 400	
	5-6	Maximum drawbar pull laden/unladen	N	65000 / 37000	61000 / 36000
	5-7	Gradeability laden/unladen, @ 1.6km/h	%	30 / 20	23 / 20
	5-9	Acceleration time with/without load (S) 15m	s	6.47(S1) / 6.65(S2)	6.5(S1) / 6.17(S2)
	5-9-1	Acceleration time with/without load (S) 15m	s	5.83(S1) / 5.23(S2)	5.83(S1) / 5.23(S2)
ENGINE	7-1	Engine manufacturer/type		Mitsubishi S6S-T	Kubota V3800-CR-TE5CB-HYM-1
	7-2	Engine output, in accordance with ISO1585	kW	63.9	54.6
	7-3	Governed speed	min-1	2300	2200
	7-4	Number of cylinders/displacement	(-) / (cm ³)	6/4996	4/3769
	7-5	Fuel consumption in accordance with VDI cycle	l/h or kg/h	12.16l/h / 10.2kg/h	9.97l/h / 8.36kg/h
	7-6	Turnover output	t/h	435t/h	442t/h
	7-7	Energy consumption at turnover output	l/h or kg/h	12.47l/h / 10.46kg/h	12.5l/h / 10.9kg/h
	7-8	Generator	A	50	100
	7-9	Vehicle electrical system voltage	V	24	12
	7-10	Battery voltage/nominal capacity	V/Ah	02-12/90	12/135
OTHER	8-1	Type of drive unit		E-Hydraulic	
	10-1	Operating pressure for attachments	bar	195	
	10-2	Oil volume for attachments	l/min	80	
	10-4	Fule tank, capacity	l	140	
	10-7	Average noise level at operator's ear EN 12053	dB (A)	86	81.4
	10-7-1	Sound power level during the workcycle	dB (A)	107.2	98.3
	10-8	Towing coupling, type DIN 15170		PIN	

VDI 2198 – GENERAL SPECIFICATIONS – UX SERIES

GENERAL	1-1	Manufacturer		Yale
	1-2	Model designation		GLP 50UX6
	1-3	Drive		LPG
	1-3-1	CE Compliance / Emission Standard	Stage IIIA	Stage V
	1-4	Operator type		Seat
	1-5	Rated capacity/Rated load	Q (kg)	5000
	1-6	Load centre distance	c (mm)	600
	1-8	Load distance, centre of drive axle to fork	x (mm)	590
	1-9	Wheelbase (with mast vertical)	y (mm)	2300
WEIGHT	2-1	Service weight	kg	8360
	2-2	Axle loading, unladen front/rear	kg	12090 / 1270
	2-3	Axle loading fork retracted, laden front/rear	kg	3840 / 4520
TYRES	3-1	Tyres, front/rear		Superelastic
	3-2	Tyre size, front		8.25-15NHS
	3-3	Tyre size, rear		8.25-15NHS
	3-5	Wheels, number front/rear (x = driven wheels)		4X2
	3-6	Track width, front	b ₁₀ (mm)	1489
	3-7	Track width, rear	b ₁₁ (mm)	1700
DIMENSIONS	4-1	Mast tilt, forward / back	α / β (°)	10/12
	4-2	Height of mast, lowered	h ₁ (mm)	2500
	4-3	Free lift	h ₂ (mm)	205
	4-4	Lift height	h ₃ (mm)	3000
	4-5	Height of mast, extended	h ₄ (mm)	4425
	4-7	Height to top of overhead guard	h ₆ (mm)	2450
	4-8	Seat height	h ₇ (mm)	1400
	4-12	Towing coupling height	h ₁₀ (mm)	345
	4-19	Overall length	l ₁ (mm)	4715
	4-20	Length to face of forks	l ₂ (mm)	3495
	4-21	Overall width, Standard / Dual	b ₁ / b ₂ (mm)	2020
	4-22	Fork dimensions ISO2331	s/e/l (mm)	65 / 150 / 1220
	4-23	Fork carriage to DIN 15173. Class, A/B		ISO 4A
	4-24	Fork carriage width	b ₃ (mm)	1845
	4-31	Ground clearance under mast, with load	m ₁ (mm)	200
	4-32	Ground clearance at centre of wheelbase	m ₂ (mm)	230
	4-33	Load dimension b ₁₂ x l ₆ crossways	b ₁₂ x l ₆ (mm)	1000 x 1000
	4-34	Aisle width with predetermined load dimensions	Ast (mm)	5260
	4-34-1	Aisle width with pallets 1000mm x 1200mm crossways	Ast (mm)	5260
	4-34-2	Aisle width with pallets 800mm x 1200mm crossways	Ast (mm)	5260
PERFORMANCE	5-1	Travel speed laden/unladen - Shift 2	km/h	30 / 31
	5-1-1	Travel speed laden/unladen - Shift 1	km/h	9.0 / 9.0
	5-1-2	Travel speed, laden / unladen, backwards - Shift 2	km/h	30 / 31
	5-1-3	Travel speed, laden / unladen, backwards - Shift 1	km/h	9.0 / 9.0
	5-2	Lifting speed laden/unladen	mm/s	430 / 460
	5-3	Lowering speed laden/unladen	mm/s	500 / 400
	5-6	Maximum drawbar pull laden/unladen	N	66000 / 41000
	5-7	Gradeability laden/unladen, @ 1.6km/h	%	28 / 20
	5-9	Acceleration time with/without load (S) 15m	s	6.86(S1) / 4.9(S2)
	5-9-1	Acceleration time with/without load (S) 15m	s	6.7(S1) / 5.0(S2)
ENGINE	5-10	Service brake		Hydraulic
	7-1	Engine manufacturer/type	Kubota WG3800-L-C	Kubota WG3800-L-E5C
	7-2	Engine output, in accordance with ISO1585	kW	59.2
	7-3	Governed speed	min-1	2400
	7-4	Number of cylinders/displacement	(-) / (cm ³)	4/3769
	7-5	Fuel consumption in accordance with VDI cycle	l/h or kg/h	6.3kg/h
	7-6	Turnover output	t/h	420t/h
	7-7	Energy consumption at turnover output	l/h or kg/h	7.2kg/h
	7-8	Generator	A	100
	7-9	Vehicle electrical system voltage	V	12
OTHER	7-10	Battery voltage/nominal capacity	V/Ah	12/135
	8-1	Type of drive unit		E-Hydraulic
	10-1	Operating pressure for attachments	bar	195
	10-2	Oil volume for attachments	l/min	80
	10-4	Fule tank, capacity	l	140
	10-7	Average noise level at operator's ear EN 12053	dB (A)	83
	10-7-1	Sound power level during the workcycle	dB (A)	102
	10-8	Towing coupling, type DIN 15170		PIN

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

VDI 2198 – GENERAL SPECIFICATIONS – UX SERIES

GENERAL	1-1	Manufacturer		Yale
	1-2	Model designation		GLP 60UX6
	1-3	Drive		LPG
	1-3-1	CE Compliance / Emission Standard	Stage IIIA	Stage V
	1-4	Operator type		Seat
	1-5	Rated capacity/Rated load	Q (kg)	6000
	1-6	Load centre distance	c (mm)	600
	1-8	Load distance, centre of drive axle to fork	x (mm)	590
	1-9	Wheelbase (with mast vertical)	y (mm)	2300
WEIGHT	2-1	Service weight	kg	9010
	2-2	Axle loading, unladen front/rear	kg	13450 / 1560
	2-3	Axle loading fork retracted, laden front/rear	kg	4380 / 4630
TYRES	3-1	Tyres, front/rear		Superelastic
	3-2	Tyre size, front		8.25-15NHS
	3-3	Tyre size, rear		8.25-15NHS
	3-5	Wheels, number front/rear (x = driven wheels)		4X2
	3-6	Track width, front	b ₁₀ (mm)	1489
	3-7	Track width, rear	b ₁₁ (mm)	1700
DIMENSIONS	4-1	Mast tilt, forward / back	α / β (°)	10/12
	4-2	Height of mast, lowered	h ₁ (mm)	2500
	4-3	Free lift	h ₂ (mm)	205
	4-4	Lift height	h ₃ (mm)	3000
	4-5	Height of mast, extended	h ₄ (mm)	4425
	4-7	Height to top of overhead guard ⁽¹⁾	h ₆ (mm)	2450
	4-8	Seat height	h ₇ (mm)	1400
	4-12	Towing coupling height	h ₁₀ (mm)	345
	4-19	Overall length	l ₁ (mm)	4785
	4-20	Length to face of forks	l ₂ (mm)	3565
	4-21	Overall width, Standard / Dual	b ₁ / b ₂ (mm)	2020
	4-22	Fork dimensions ISO2331	s/e/l (mm)	65 / 150 / 1220
	4-23	Fork carriage to DIN 15173. Class, A/B		ISO 4A
	4-24	Fork carriage width	b ₃ (mm)	1845
	4-31	Ground clearance under mast, with load	m ₁ (mm)	200
	4-32	Ground clearance at centre of wheelbase	m ₂ (mm)	230
	4-33	Load dimension b ₁₂ x l ₆ crossways	b ₁₂ x l ₆ (mm)	1000x1000
	4-34	Aisle width with predetermined load dimensions	Ast (mm)	5310
	4-34-1	Aisle width with pallets 1000mm x 1200mm crossways	Ast (mm)	5310
	4-34-2	Aisle width with pallets 800mm x 1200mm crossways	Ast (mm)	5310
	4-35	Outer turning radius	Wa (mm)	3300
	4-36	Inner turning radius	b ₁₃ (mm)	1105
PERFORMANCE	5-1	Travel speed laden/unladen - Shift 2	km/h	30 / 31
	5-1-1	Travel speed laden/unladen - Shift 1	km/h	9.0 / 9.0
	5-1-2	Travel speed, laden / unladen, backwards - Shift 2	km/h	30 / 31
	5-1-3	Travel speed, laden / unladen, backwards - Shift 1	km/h	9.0 / 9.0
	5-2	Lifting speed laden/unladen	mm/s	430 / 460
	5-3	Lowering speed laden/unladen	mm/s	500 / 400
	5-6	Maximum drawbar pull laden/unladen	N	66000 / 41000
	5-7	Gradeability laden/unladen, @ 1.6km/h	%	24 / 20
	5-9	Acceleration time with/without load (S) 15m	s	6.86(S1) / 4.9(S2)
	5-9-1	Acceleration time with/without load (S) 15m	s	6.7(S1) / 5.0(S2)
	5-10	Service brake		Hydraulic
ENGINE	7-1	Engine manufacturer/type	Kubota WG3800-L-C	Kubota WG3800-L-E5C
	7-2	Engine output, in accordance with ISO1585	kW	59.2
	7-3	Governed speed	min-1	2400
	7-4	Number of cylinders/displacement	(-) / (cm ³)	4/3769
	7-5	Fuel consumption in accordance with VDI cycle	l/h or kg/h	6.3kg/h
	7-6	Turnover output	t/h	420t/h
	7-7	Energy consumption at turnover output	l/h or kg/h	7.2kg/h
	7-8	Generator	A	100
	7-9	Vehicle electrical system voltage	V	12
	7-10	Battery voltage/nominal capacity	V/Ah	12/135
OTHER	8-1	Type of drive unit		E-Hydraulic
	10-1	Operating pressure for attachments	bar	195
	10-2	Oil volume for attachments	l/min	80
	10-4	Fule tank, capacity	l	140
	10-7	Average noise level at operator's ear EN 12053	dB (A)	83
	10-7-1	Sound power level during the workcycle	dB (A)	102
	10-8	Towing coupling, type DIN 15170		PIN

(1) Height of low overhead guard (cabin): 2250mm; Height of high overhead guard (cabin): 2400mm

VDI 2198 – GENERAL SPECIFICATIONS – UX SERIES

GENERAL	1-1	Manufacturer		Yale
	1-2	Model designation		GLP 70UX6
	1-3	Drive		LPG
	1-3-1	CE Compliance / Emission Standard	Stage IIIA	Stage V
	1-4	Operator type		Seat
	1-5	Rated capacity/Rated load	Q (kg)	7000
	1-6	Load centre distance	c (mm)	600
	1-8	Load distance, centre of drive axle to fork	x (mm)	590
	1-9	Wheelbase (with mast vertical)	y (mm)	2300
WEIGHT	2-1	Service weight	kg	9650
	2-2	Axle loading, unladen front/rear	kg	14900 / 1750
	2-3	Axle loading fork retracted, laden front/rear	kg	4050 / 5600
TYRES	3-1	Tyres, front/rear		Superelastic
	3-2	Tyre size, front		8.25-15NHS
	3-3	Tyre size, rear		8.25-15NHS
	3-5	Wheels, number front/rear (x = driven wheels)		4X2
	3-6	Track width, front	b ₁₀ (mm)	1489
	3-7	Track width, rear	b ₁₁ (mm)	1700
DIMENSIONS	4-1	Mast tilt, forward / back	α / β (°)	10/12
	4-2	Height of mast, lowered	h ₁ (mm)	2625
	4-3	Free lift	h ₂ (mm)	205
	4-4	Lift height	h ₃ (mm)	3000
	4-5	Height of mast, extended	h ₄ (mm)	4425
	4-7	Height to top of overhead guard ⁽¹⁾	h ₆ (mm)	2450
	4-8	Seat height	h ₇ (mm)	1400
	4-12	Towing coupling height	h ₁₀ (mm)	345
	4-19	Overall length	l ₁ (mm)	4830
	4-20	Length to face of forks	l ₂ (mm)	3610
	4-21	Overall width, Standard / Dual	b ₁ / b ₂ (mm)	2020
	4-22	Fork dimensions ISO2331	s/e/l (mm)	65 / 150 / 1220
	4-23	Fork carriage to DIN 15173. Class, A/B		ISO 4A
	4-24	Fork carriage width	b ₃ (mm)	1845
	4-31	Ground clearance under mast, with load	m ₁ (mm)	200
	4-32	Ground clearance at centre of wheelbase	m ₂ (mm)	230
	4-33	Load dimension b ₁₂ x l ₆ crossways	b ₁₂ x l ₆ (mm)	1000x1000
	4-34	Aisle width with predetermined load dimensions	Ast (mm)	5370
	4-34-1	Aisle width with pallets 1000mm x 1200mm crossways	Ast (mm)	5370
	4-34-2	Aisle width with pallets 800mm x 1200mm crossways	Ast (mm)	5370
PERFORMANCE	5-1	Travel speed laden/unladen - Shift 2	km/h	30 / 31
	5-1-1	Travel speed laden/unladen - Shift 1	km/h	9.0 / 9.0
	5-1-2	Travel speed, laden / unladen, backwards - Shift 2	km/h	30 / 31
	5-1-3	Travel speed, laden / unladen, backwards - Shift 1	km/h	9.0 / 9.0
	5-2	Lifting speed laden/unladen	mm/s	430 / 460
	5-3	Lowering speed laden/unladen	mm/s	500 / 400
	5-6	Maximum drawbar pull laden/unladen	N	66000 / 41000
	5-7	Gradeability laden/unladen, @ 1.6km/h	%	21 / 20
	5-9	Acceleration time with/without load (S) 15m	s	6.86(S1) / 4.9(S2)
	5-9-1	Acceleration time with/without load (S) 15m	s	6.7(S1) / 5.0(S2)
ENGINE	5-10	Service brake		Hydraulic
	7-1	Engine manufacturer/type	Kubota WG3800-L-C	Kubota WG3800-L-E5C
	7-2	Engine output, in accordance with ISO1585	kW	59.2
	7-3	Governed speed	min-1	2400
	7-4	Number of cylinders/displacement	(-) / (cm ³)	4/3769
	7-5	Fuel consumption in accordance with VDI cycle	l/h or kg/h	6.3kg/h
	7-6	Turnover output	t/h	420t/h
	7-7	Energy consumption at turnover output	l/h or kg/h	7.2kg/h
	7-8	Generator	A	100
	7-9	Vehicle electrical system voltage	V	12
OTHER	7-10	Battery voltage/nominal capacity	V/Ah	12/135
	8-1	Type of drive unit		E-Hydraulic
	10-1	Operating pressure for attachments	bar	195
	10-2	Oil volume for attachments	l/min	80
	10-4	Fule tank, capacity	l	140
	10-7	Average noise level at operator's ear EN 12053	dB (A)	83
	10-7-1	Sound power level during the workcycle	dB (A)	102
	10-8	Towing coupling, type DIN 15170		PIN

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

MAST DIMENSIONS – UX SERIES

Max. Fork Lift (h ₃ +s) (mm)	Overall Extended Height						Free Lift h ₂ + s				Mast Tilt	
	Lowered Height h ₁		Extended Lift Height h ₄				Without Load Backrest		With Load Backrest			
			Without Load Backrest		With Load Backrest							
	5.0/6.05t (mm)	7.0t (mm)	5.0/6.05t (mm)	7.0t (mm)	5.0/6.05t (mm)	7.0t (mm)	5.0/6.05t (mm)	7.0t (mm)	5.0/6.05t (mm)	7.0t (mm)	Forward (°)	Back (°)
2-Stage Limited Free-Lift (LFL) Mast												
3000	2500	2625	3955	4080	4425	4425	205	205	10	12		
3300	2650	2775	4255	4380	4725	4725	205	205	10	12		
3500	2750	2875	4455	4580	4925	4925	205	205	10	12		
3750	2875	3000	4705	4830	5175	5175	205	205	10	12		
4000	3050	3175	4975	5100	5425	5425	205	205	10	12		
4500	3300	3425	5475	5600	5925	5925	205	205	6	6		
5000	3550	3675	5975	6100	6425	6425	205	205	6	6		
5500	3850	3975	6525	6650	6925	6925	205	205	3	6		
6000	4100	4225	7025	7150	7425	7425	205	205	3	6		
2-Stage Full Free-Lift (FFL) Mast												
3000	2625		4110		4405		1555		1255		10	12
3300	2775		4410		4705		1705		1405		10	12
3500	2875		4610		4905		1805		1505		10	12
3750	3000		4860		5155		1930		1630		10	12
4000	3175		5110		5405		2105		1805		10	12
3-Stage Full Free-Lift (FFL) Mast												
4000	2505		5080		5405		1460		1135		6	6
4350	2630		5430		5755		1585		1260		6	6
4500	2680		5580		5905		1635		1310		6	6
4800	2780		5880		6205		1735		1410		6	6
5000	2880		6080		6405		1835		1510		6	6
5400	3005		6480		6805		1960		1635		3	6
6000	3305		7080		7405		2260		1935		3	6
6500	3530		7580		7905		2485		2160		3	6

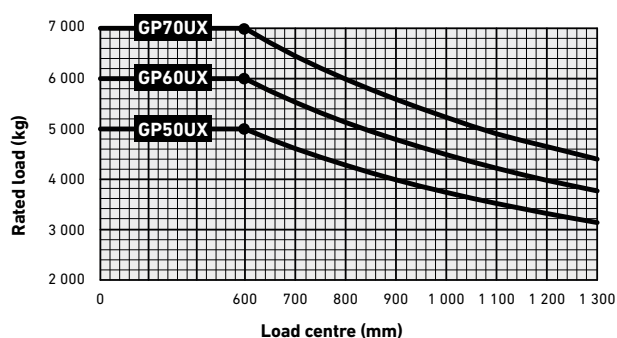
MAST DIMENSIONS – UX SERIES

Max. Fork Lift (h ₃ +s) (mm)	Capacities (kg) @ 600mm Load Centre								
	Load capacity without Sideshift			Load capacity with ISS (hook type)			Load capacity with ISS and Fork positioner (Pin type)		
	Front Dual Tyres			Front Dual Tyres			Front Dual Tyres		
	5.0t (kg)	6.0t (kg)	7.0t (kg)	5.0t (kg)	6.0t (kg)	7.0t (kg)	5.0t (kg)	6.0t (kg)	7.0t (kg)
2-Stage Limited Free-Lift (LFL) Mast									
3000	5000	6000	7000	4620	5550	6820	4620	5550	6820
3300	5000	6000	7000	4610	5540	6810	4610	5540	6810
3500	5000	6000	7000	4600	5540	6800	4600	5540	6800
3750	5000	6000	7000	4590	5530	6800	4590	5530	6800
4000	5000	6000	7000	4560	5500	6760	4560	5500	6760
4500	5000	6000	7000	4550	5480	6750	4550	5480	6750
5000	5000	6000	7000	4500	5460	6610	4500	5460	6610
5500	4750	5820	6620	3690	4610	6210	3690	4610	6210
6000	4410	5400	6420	3430	4250	6170	3430	4250	6170
2-Stage Full Free-Lift (FFL) Mast									
3000	5000	6000	7000	4580	5510	6450	4580	5510	6450
3300	5000	6000	7000	4570	5500	6440	4570	5500	6440
3500	5000	6000	7000	4560	5500	6430	4560	5500	6430
3750	5000	6000	7000	4550	5490	6420	4550	5490	6420
4000	5000	6000	7000	4530	5460	6400	4530	5460	6400
3-Stage Full Free-Lift (FFL) Mast									
4000	4830	5760	6650	4390	5220	6040	4390	5220	6040
4350	4760	5670	6560	4740	5140	5960	4740	5140	5960
4500	4730	5630	6510	4280	5100	5920	4280	5100	5920
4800	4660	5550	6430	4210	5030	5850	4210	5030	5850
5000	4620	5490	6370	4160	4970	5790	4160	4970	5790
5400	4520	5380	6170	4060	4870	5680	4060	4870	5680
6000	4310	5160	5540	3480	4270	5260	3480	4270	5260
6500	3780	4620	4950	2920	3650	4670	2920	3650	4670

ENGINE SPECIFICATIONS – UX SERIES

Mitsubishi S6S-T Diesel		Kubota V3800-CR-TE5CB-HYM-1 Diesel		Kubota WG3800-L-C LPG		Kubota WG3800-L-E5C LPG	
CE Compliance / Emission Standard	Stage IIIA	CE Compliance / Emission Standard	Stage V	CE Compliance / Emission Standard	Stage IIIA	CE Compliance / Emission Standard	Stage V
Cylinders	6	Cylinders	4	Cylinders	4	Cylinders	4
Displacement	4.996 litre	Displacement	3.769 litre	Displacement	3.769 litre	Displacement	3.769 litre
Torque	293Nm @ 1,700rpm	Torque	310Nm @ 1500rpm	Torque	-	Torque	-
Power	63.9kW @ 2,300rpm	Power	54.6kW @ 2,200rpm	Power	59.2kW @ 2,400rpm	Power	59.2kW @ 2,400rpm
Air filtration	Two stage, dry type	Air filtration	Two stage, dry type, paper element filter	Air filtration	-	Air filtration	-
Fuel injection	IDI system	Fuel injection	Common rail system	Fuel injection	-	Fuel injection	-

RATED CAPACITIES – UX SERIES



Rated load – based on vertical mast (≤3000mm lift height).

Load centre – distance from front of forks to centre of gravity of load.

FEATURES LIST – UX SERIES

	STD	OPT		STD	OPT
Tilt cylinders – protection gaters fitted	●		Range of cabins to suit all applications		●
Audible reverse alarm	●		3-Pedal layout (+ mechanical inching)	●	
Non-Suspension seat	●		Radiator with transmission oil cooler	●	
Full-suspension seat / Operator presence system		●	Cyclonic Air filter	●	
Counterweight exhaust!	●		Manual park brake	●	
Load backrest	●		Adjustable steer column	●	
2 function manual hydraulic levers	●		Air Intake with Pre-cleaner		●
Tilt movement is mast dependent	●		Retractable seatbelt	●	
Mast tilt 6° Forward / 6° Back or 3° Forward / 6° Back		●	Entry Grab handle	●	
2-stage LFL & 3-stage FFL masts (3000mm – 6500mm lift heights)		●	Key switch start	●	
Carriages for 4-5 ton: 1245, 1380, 1428, 1600, 1700 and 1800mm (class III) (on 4-5 ton spec sheet)		●	Viewing mirrors	●	
Carriages for 5-7 ton: 1845, 1905 and 2100mm (class IV)		●	Top glass screen available with guard		●
Fork lengths 1220-2440mm (4-5 ton), 1370-2440mm (5-7 ton)		●	Power steering	●	
Integral Sideshift		●	Steering wheel with spinner knob	●	
Lights:	●		Toolbox	●	
2 x front work lights	●		Fuel gauge	●	
2 x front turn lights	●		Upswept exhaust		●
2 x rear turn, stop, brake, reverse lights	●		Upswept exhaust	●	
Low / high magnetic mounted strobe	●		Towing pin	●	
Rear working light		●	Twin USB charge points	●	
Direction lever	●		Standard warranty 12 month / 2000 hours	●	
Monotrol		●	Hot ambient (-10 Degrees C to 50 Degrees C) for unregulated Diesel Mitsubishi only		●
Operator manual	●		Valve and hose groups – 3 or 4 way		●
Pneumatic tyres		●	Clamping function available		●
Superelastic tyres	●		Rear drive handle with horn button		●

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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