



# GDP/GLP 50-70UX6

SPEC SHEET

5,000 - 7,000 kg

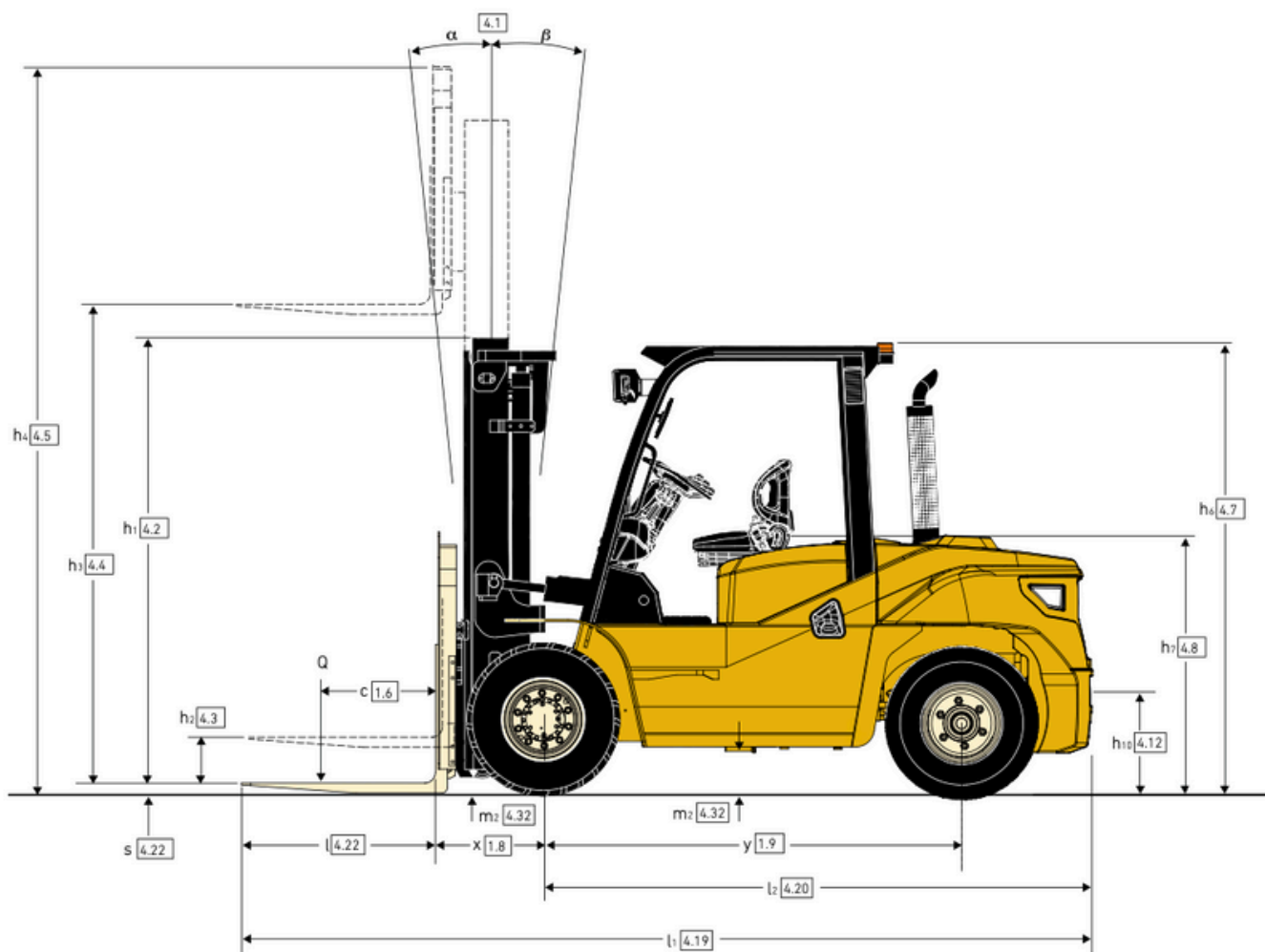
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UX Series

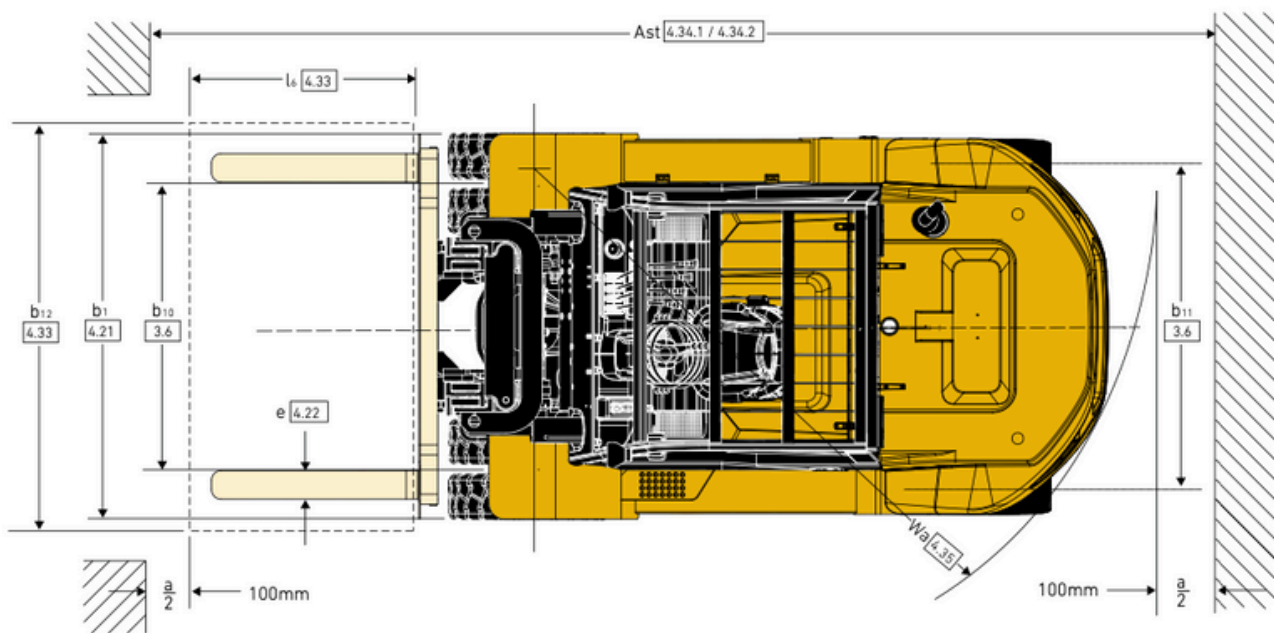
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Diesel and LPG  
Forklift Trucks

## TRUCK DIMENSIONS – UX SERIES



# TRUCK DIMENSIONS – UX SERIES



## VDI 2198 – GENERAL SPECIFICATIONS – UX SERIES

GENERAL	1.1	Manufacturer		Yale	
	1.2	Model designation		<b>GDP 50UX6</b>	
	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	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 <sub>10</sub> (mm)	1489	
	3.7	Track width, rear	b <sub>11</sub> (mm)	1700	
	DIMENSIONS	4.1	Mast tilt, forward / back	$\alpha / \beta$ (°)	10/12
4.2		Height of mast, lowered	h <sub>1</sub> (mm)	2500	
4.3		Free lift	h <sub>2</sub> (mm)	205	
4.4		Lift height	h <sub>3</sub> (mm)	3000	
4.5		Height of mast, extended	h <sub>4</sub> (mm)	4425	
4.7		Height to top of overhead guard	h <sub>4</sub> (mm)	2450	
4.8		Seat height	h <sub>7</sub> (mm)	1400	
4.12		Towing coupling height	h <sub>10</sub> (mm)	345	
4.19		Overall length	l <sub>1</sub> (mm)	4715	
4.20		Length to face of forks	l <sub>2</sub> (mm)	3495	
4.21		Overall width, Standard / Dual	b <sub>1</sub> / b <sub>2</sub> (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 <sub>3</sub> (mm)	1845	
4.31		Ground clearance under mast, with load	m <sub>1</sub> (mm)	200	
4.32		Ground clearance at centre of wheelbase	m <sub>2</sub> (mm)	230	
4.33	Load dimension b <sub>12</sub> x l <sub>4</sub> crossways	b <sub>12</sub> x l <sub>4</sub> (mm)	1000 x 1000		
4.34	Aisle width with predetermined load dimensions	A <sub>st</sub> (mm)	5260		
4.34.1	Aisle width with pallets 1000mm x 1200mm crossways	A <sub>st</sub> (mm)	5260		
4.34.2	Aisle width with pallets 800mm x 1200mm crossways	A <sub>st</sub> (mm)	5260		
4.35	Outer turning radius	W <sub>a</sub> (mm)	3250		
4.36	Inner turning radius	b <sub>13</sub> (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	55.4
	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 / 120
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

<b>GENERAL</b>	1.1	Manufacturer		Yale	
	1.2	Model designation		<b>GDP 60UX6</b>	
	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	
<b>WEIGHT</b>	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	
<b>TYRES</b>	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 <sub>10</sub> (mm)	1489	
	3.7	Track width, rear	b <sub>11</sub> (mm)	1700	
	<b>DIMENSIONS</b>	4.1	Mast tilt, forward / back	$\alpha / \beta$ (°)	10/12
4.2		Height of mast, lowered	h <sub>1</sub> (mm)	2500	
4.3		Free lift	h <sub>2</sub> (mm)	205	
4.4		Lift height	h <sub>3</sub> (mm)	3000	
4.5		Height of mast, extended	h <sub>4</sub> (mm)	4425	
4.7		Height to top of overhead guard	h <sub>6</sub> (mm)	2450	
4.8		Seat height	h <sub>7</sub> (mm)	1400	
4.12		Towing coupling height	h <sub>10</sub> (mm)	345	
4.19		Overall length	l <sub>1</sub> (mm)	4785	
4.20		Length to face of forks	l <sub>2</sub> (mm)	3565	
4.21		Overall width, Standard / Dual	b <sub>1</sub> / b <sub>2</sub> (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 <sub>3</sub> (mm)	1845	
4.31		Ground clearance under mast, with load	m <sub>1</sub> (mm)	200	
4.32		Ground clearance at centre of wheelbase	m <sub>2</sub> (mm)	230	
4.33	Load dimension b <sub>12</sub> x l <sub>4</sub> crossways	b <sub>12</sub> x l <sub>4</sub> (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		
4.35	Outer turning radius	Wa (mm)	3300		
4.36	Inner turning radius	b <sub>13</sub> (mm)	1105		
<b>PERFORMANCE</b>	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	
	5.9	Acceleration time with/without load (S) 15m	s	6.47(S1) / 6.65(S2)	
	5.9.1	Acceleration time with/without load (S) 15m	s	5.83(S1) / 5.23(S2)	
5.10	Service brake		Hydraulic		
<b>ENGINE</b>	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	55.4
	7.3	Governed speed	min-1	2300	
	7.4	Number of cylinders/displacement	(-) / (cm3)	6/4996	
	7.5	Fuel consumption in accordance with VDI cycle	l/h or kg/h	12.16l/h / 10.2kg/h	
	7.6	Turnover output	t/h	435t/h	
	7.7	Energy consumption at turnover output	l/h or kg/h	12.47l/h / 10.46kg/h	
	7.8	Generator	A	50	
	7.9	Vehicle electrical system voltage	V	24	
	7.10	Battery voltage/nominal capacity	V/Ah	02-12/90	
<b>OTHER</b>	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	
	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

<b>GENERAL</b>	1.1	Manufacturer		Yale	
	1.2	Model designation		<b>GDP 70UX6</b>	
	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	
<b>WEIGHT</b>	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	
<b>TYRES</b>	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 <sub>10</sub> (mm)	1489	
	3.7	Track width, rear	b <sub>11</sub> (mm)	1700	
	<b>DIMENSIONS</b>	4.1	Mast tilt, forward / back	$\alpha / \beta$ (°)	10 / 12
4.2		Height of mast, lowered	h <sub>1</sub> (mm)	2625	
4.3		Free lift	h <sub>2</sub> (mm)	205	
4.4		Lift height	h <sub>3</sub> (mm)	3000	
4.5		Height of mast, extended	h <sub>4</sub> (mm)	4425	
4.7		Height to top of overhead guard	h <sub>5</sub> (mm)	2450	
4.8		Seat height	h <sub>7</sub> (mm)	1400	
4.12		Towing coupling height	h <sub>10</sub> (mm)	345	
4.19		Overall length	l <sub>1</sub> (mm)	4830	
4.20		Length to face of forks	l <sub>2</sub> (mm)	3610	
4.21		Overall width, Standard / Dual	b <sub>1</sub> / b <sub>2</sub> (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 <sub>3</sub> (mm)	1845	
4.31		Ground clearance under mast, with load	m <sub>1</sub> (mm)	200	
4.32		Ground clearance at centre of wheelbase	m <sub>2</sub> (mm)	230	
4.33		Load dimension b <sub>12</sub> x l <sub>4</sub> crossways	b <sub>12</sub> x l <sub>4</sub> (mm)	1000 x 1000	
4.34	Aisle width with predetermined load dimensions	A <sub>st</sub> (mm)	5370		
4.34.1	Aisle width with pallets 1000mm x 1200mm crossways	A <sub>st</sub> (mm)	5370		
4.34.2	Aisle width with pallets 800mm x 1200mm crossways	A <sub>st</sub> (mm)	5370		
4.35	Outer turning radius	W <sub>a</sub> (mm)	3360		
4.36	Inner turning radius	b <sub>13</sub> (mm)	1105		
<b>PERFORMANCE</b>	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)
5.10	Service brake		Hydraulic		
<b>ENGINE</b>	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	55.4
	7.3	Governed speed	min-1	2300	2200
	7.4	Number of cylinders/displacement	(-) / (cm <sup>3</sup> )	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 / 120
<b>OTHER</b>	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

<b>GENERAL</b>	1.1	Manufacturer		Yale	
	1.2	Model designation		<b>GLP 50UX6</b>	
	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	
<b>WEIGHT</b>	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	
<b>TYRES</b>	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 <sub>10</sub> (mm)	1489	
	3.7	Track width, rear	b <sub>11</sub> (mm)	1700	
	<b>DIMENSIONS</b>	4.1	Mast tilt, forward / back	$\alpha / \beta$ (°)	10/12
4.2		Height of mast, lowered	h <sub>1</sub> (mm)	2500	
4.3		Free lift	h <sub>2</sub> (mm)	205	
4.4		Lift height	h <sub>3</sub> (mm)	3000	
4.5		Height of mast, extended	h <sub>4</sub> (mm)	4425	
4.7		Height to top of overhead guard	h <sub>6</sub> (mm)	2450	
4.8		Seat height	h <sub>7</sub> (mm)	1400	
4.12		Towing coupling height	h <sub>10</sub> (mm)	345	
4.19		Overall length	l <sub>1</sub> (mm)	4715	
4.20		Length to face of forks	l <sub>2</sub> (mm)	3495	
4.21		Overall width, Standard / Dual	b <sub>1</sub> / b <sub>2</sub> (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 <sub>3</sub> (mm)	1845	
4.31		Ground clearance under mast, with load	m <sub>1</sub> (mm)	200	
4.32		Ground clearance at centre of wheelbase	m <sub>2</sub> (mm)	230	
4.33		Load dimension b <sub>12</sub> x l <sub>4</sub> crossways	b <sub>12</sub> x l <sub>4</sub> (mm)	1000 x 1000	
4.34		Aisle width with predetermined load dimensions	A <sub>st</sub> (mm)	5260	
4.34.1	Aisle width with pallets 1000mm x 1200mm crossways	A <sub>st</sub> (mm)	5260		
4.34.2	Aisle width with pallets 800mm x 1200mm crossways	A <sub>st</sub> (mm)	5260		
4.35	Outer turning radius	W <sub>a</sub> (mm)	3250		
4.36	Inner turning radius	b <sub>13</sub> (mm)	1105		
<b>PERFORMANCE</b>	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)	
5.10	Service brake		Hydraulic		
<b>ENGINE</b>	7.1	Engine manufacturer/type		Kubota WG3800-L-C	Kubota WG3800-L-E5C
	7.2	Engine output, in accordance with ISO1585	kW	63.2	
	7.3	Governed speed	min-1	2400	
	7.4	Number of cylinders/displacement	(-) / (cm3)	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	12/120	
<b>OTHER</b>	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

<b>GENERAL</b>	1.1	Manufacturer	Yale
	1.2	Model designation	<b>GLP 60UX6</b>
	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
<b>WEIGHT</b>	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
<b>TYRES</b>	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 <sub>10</sub> (mm) 1489
	3.7	Track width, rear	b <sub>11</sub> (mm) 1700
	<b>DIMENSIONS</b>	4.1	Mast tilt, forward / back
4.2		Height of mast, lowered	h <sub>1</sub> (mm) 2500
4.3		Free lift	h <sub>2</sub> (mm) 205
4.4		Lift height	h <sub>3</sub> (mm) 3000
4.5		Height of mast, extended	h <sub>4</sub> (mm) 4425
4.7		Height to top of overhead guard <sup>(1)</sup>	h <sub>6</sub> (mm) 2450
4.8		Seat height	h <sub>7</sub> (mm) 1400
4.12		Towing coupling height	h <sub>10</sub> (mm) 345
4.19		Overall length	l <sub>1</sub> (mm) 4785
4.20		Length to face of forks	l <sub>2</sub> (mm) 3565
4.21		Overall width, Standard / Dual	b <sub>1</sub> / b <sub>2</sub> (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 <sub>3</sub> (mm) 1845
4.31		Ground clearance under mast, with load	m <sub>1</sub> (mm) 200
4.32		Ground clearance at centre of wheelbase	m <sub>2</sub> (mm) 230
4.33		Load dimension b <sub>2</sub> x l <sub>6</sub> crossways	b <sub>12</sub> x l <sub>6</sub> (mm) 1000x1000
4.34		Aisle width with predetermined load dimensions	A <sub>st</sub> (mm) 5310
4.34.1	Aisle width with pallets 1000mm x 1200mm crossways	A <sub>st</sub> (mm) 5310	
4.34.2	Aisle width with pallets 800mm x 1200mm crossways	A <sub>st</sub> (mm) 5310	
4.35	Outer turning radius	W <sub>a</sub> (mm) 3300	
4.36	Inner turning radius	b <sub>13</sub> (mm) 1105	
<b>PERFORMANCE</b>	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	
<b>ENGINE</b>	7.1	Engine manufacturer/type	Kubota WG3800-L-C   Kubota WG3800-L-E5C
	7.2	Engine output, in accordance with ISO1585	kW 63.2
	7.3	Governed speed	min-1 2400
	7.4	Number of cylinders/displacement	(-) / (cm <sup>3</sup> ) 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 12/120
<b>OTHER</b>	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

<b>GENERAL</b>	1.1	Manufacturer		Yale	
	1.2	Model designation		<b>GLP 70UX6</b>	
	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	
<b>WEIGHT</b>	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	
<b>TYRES</b>	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 <sub>10</sub> (mm)	1489	
	3.7	Track width, rear	b <sub>11</sub> (mm)	1700	
	<b>DIMENSIONS</b>	4.1	Mast tilt, forward / back	$\alpha / \beta$ (°)	10/12
4.2		Height of mast, lowered	h <sub>1</sub> (mm)	2625	
4.3		Free lift	h <sub>2</sub> (mm)	205	
4.4		Lift height	h <sub>3</sub> (mm)	3000	
4.5		Height of mast, extended	h <sub>4</sub> (mm)	4425	
4.7		Height to top of overhead guard <sup>III</sup>	h <sub>6</sub> (mm)	2450	
4.8		Seat height	h <sub>7</sub> (mm)	1400	
4.12		Towing coupling height	h <sub>10</sub> (mm)	345	
4.19		Overall length	l <sub>1</sub> (mm)	4830	
4.20		Length to face of forks	l <sub>2</sub> (mm)	3610	
4.21		Overall width, Standard / Dual	b <sub>1</sub> / b <sub>2</sub> (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 <sub>3</sub> (mm)	1845	
4.31		Ground clearance under mast, with load	m <sub>1</sub> (mm)	200	
4.32		Ground clearance at centre of wheelbase	m <sub>2</sub> (mm)	230	
4.33		Load dimension b <sub>12</sub> x l <sub>6</sub> crossways	b <sub>12</sub> x l <sub>6</sub> (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	
4.35	Outer turning radius	W <sub>a</sub> (mm)	3360		
4.36	Inner turning radius	b <sub>13</sub> (mm)	1105		
<b>PERFORMANCE</b>	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)	
<b>ENGINE</b>	7.1	Engine manufacturer/type		Kubota WG3800-L-C	Kubota WG3800-L-E5C
	7.2	Engine output, in accordance with ISO1585	kW	63.2	
	7.3	Governed speed	min-1	2400	
	7.4	Number of cylinders/displacement	(-) / (cm <sup>3</sup> )	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	12/120	
<b>OTHER</b>	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 <sub>1</sub> +s) (mm)	Overall Extended Height						Free Lift h <sub>2</sub> + s				Mast Tilt	
	Lowered Height h <sub>1</sub>		Extended Lift Height h <sub>e</sub>				Without Load Backrest		With Load Backrest			
			Without Load Backrest		With Load Backrest		5.0/6.05t	7.0t	5.0/6.05t	7.0t	Forward (°)	Back (°)
	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)		
<b>2-Stage Limited Free-Lift (LFL) Mast</b>												
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
<b>2-Stage Full Free-Lift (FFL) Mast</b>												
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
<b>3-Stage Full Free-Lift (FFL) Mast</b>												
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

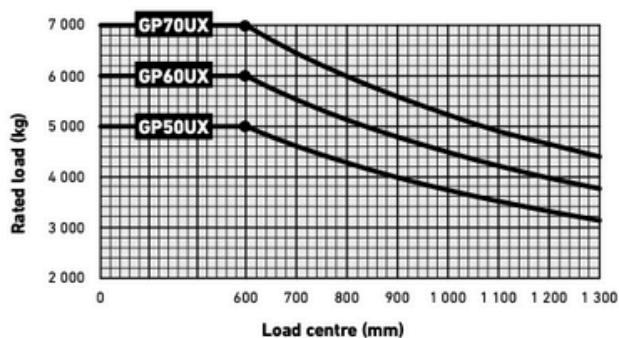
## MAST DIMENSIONS – UX SERIES

Max. Fork Lift (h <sub>1</sub> +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)
<b>2-Stage Limited Free-Lift (LFL) Mast</b>									
3000	5000	6000	7000	4600	5600	6600	4600	5600	6600
3300	5000	6000	7000	4600	5600	6600	4600	5600	6600
3500	5000	6000	7000	4600	5600	6600	4600	5600	6600
3750	5000	6000	7000	4600	5600	6600	4600	5600	6600
4000	5000	6000	7000	4600	5600	6600	4600	5600	6600
4500	5000	6000	7000	4600	5600	6600	4600	5600	6600
5000	5000	6000	7000	4600	5600	6600	4600	5600	6600
5500	4750	5700	6600	4350	5300	6200	4350	5300	6200
6000	4400	5400	6400	4000	5000	6000	4000	5000	6000
<b>2-Stage Full Free-Lift (FFL) Mast</b>									
3000	5000	6000	7000	4600	5600	6600	4600	5600	6600
3300	5000	6000	7000	4600	5600	6600	4600	5600	6600
3500	5000	6000	7000	4600	5600	6600	4600	5600	6600
3750	5000	6000	7000	4600	5600	6600	4600	5600	6600
4000	5000	6000	7000	4600	5600	6600	4600	5600	6600
<b>3-Stage Full Free-Lift (FFL) Mast</b>									
4000	4500	5500	6400	4100	5100	6000	4100	5100	6000
4350	4500	5500	6400	4100	5100	6000	4100	5100	6000
4500	4500	5500	6400	4100	5100	6000	4100	5100	6000
4800	4500	5500	6300	4100	5100	5900	4100	5100	5900
5000	4500	5500	6300	4100	5100	5900	4100	5100	5900
5400	4300	5300	6100	3900	4900	5700	3900	4900	5700
6000	4000	5000	5500	3600	4600	5100	3600	4600	5100
6500	3500	4200	4700	3100	3800	4300	3100	3800	4300

## 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	55.4kW @ 2,200rpm	Power	63.2kW @ 2,400rpm	Power	63.2kW @ 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.



# Acerca de Yale®

Yale Materials Handling Corporation es uno de los fabricantes, llevamos en el negocio de la elevación desde 1875 y aplicamos esa experiencia para ayudar a los clientes a resolver los retos de la manipulación de materiales. Nuestra línea completa de carretillas elevadoras tiene una capacidad de 1 a 16 toneladas y funcionan con motores de combustión interna u opciones eléctricas. Yale también ofrece soluciones robóticas, telemetría, gestión de flotas, piezas, financiación y formación. Desde equipos de montacargas tradicionales a tecnologías emergentes, nuestro objetivo diario es trabajar con nuestra red de distribuidores de ámbito nacional para mantener nuestro enfoque de avance y en el cliente con las soluciones que usted necesite, en el momento y forma que las necesite.

## EQUIPOS DE MANIPULACIÓN DE MATERIALES PARA:

3PL

Piezas de automoción

Bebidas

Alimentos fríos y congelados

Distribución de alimentos

Procesamiento de alimentos

Muebles y enseres

Productos de salud y farmacéuticos

Centros para el Hogar

Venta al Por Menor

Comercio Electrónico

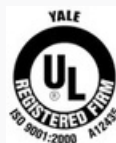




SETEGAR

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(Montmeló, BCN)

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**Nota:** Hay que tener cuidado al manipular cargas elevadas. Los operarios deben estar cualificados y deben leer, entender y seguir las instrucciones contenidas en el Manual de Usuario. Consulte a su distribuidor de Yale® si alguna de las informaciones mostradas es crítica para su aplicación.

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