

# Yale UX Series

**4-Wheel Electric Forklift**  
ERP-18UX-25UX / 1800-2500KG



# FEATURES

## Wide View Mast

The wide view mast maximized the operator's forward field of view, providing comfort and safety.

## Small Steering Wheel

The adjustable steering wheel position provides convenience for the operator as it provides 8° degree of adjustment. Low steering effort makes it easy to operate in confined spaces.

## Integrated Motor, Transmission and Axle

The compact structure of the drive system provides adequate access for maintenance. Precision cut gears are incorporated, leading to reduced wear and lower noise levels.



## OVERVIEW

The Yale® UX Series provides the ideal solution to meet your less frequent usage needs, without compromising on performance.

### The Range

The ERP15-35UX range is available in six different capacities:

1,800KG – ERP18UX  
2,500KG – ERP25UX

### Design

The UX series was engineered with the driver at the forefront of the design process. The operator compartment has been configured to enable the driver to work effortlessly and in comfort, allowing easy accessibility and controllability. A range of standard and optioned features are available for this range to enable the user to configure the truck to its application-specific needs.



### High Strength Overhead Guard

The overhead guard features profiled steel, with high strength materials to enhance reliability and operator protection.

### AC Controller

European designed AC controllers coupled with AC traction and hydraulic motors allow for precise truck operation. The controllers are easily accessible which can also minimise service time.

### Low Step Height

The conveniently positioned low step provides easy access to the truck.

## Hydraulics

The high quality cylinders with hard chrome rods reduce seal wear for longer life. The full-flow, low pressure filter on the return helps keep the hydraulic oil clean. This in turn can help minimise the overall seal and pump wear. In addition, it can also keep the control valve in good condition, which leads to lower service costs.

## Low Cost of Ownership

With the use of high quality and robust components, the UX series provides the driver with reliable operations and lower wear and tear. Coupled with fast availability of genuine and cost-effective replacement parts is what helps to reduce the maintenance costs and requirements.

## ○ FEATURES

# ENGINEERED FOR DRIVERS



### ○ Service

- AC traction and hydraulic motors reduce maintenance cost
- IP54 design enhances reliability
- The controller assembly is mounted inside the counterweight and is protected by an easy to remove cover
- CANbus communication simplifies troubleshooting



### ○ Comfort

- Hydraulic power steering requires low steering effort without kick-back which allows for precise positioning
- Full suspension seat reduces driver fatigue
- Low noise and vibration
- Adjustable steering column and seat to suit all operators
- Low entrance step and large floor space
- Ergonomically designed hand brake



### ○ Operations and Compliance

- High visibility mast with soft landing as standard to absorb shocks
- Controlled mast lowering speed avoids damaging goods
- Secure overhead guard passed CE drop test and safety standards
- LED lights as standard
- Operator presence system provides increased operator safety
- Sequential seatbelt interlock feature and travel speed limiting with mast elevated available for Australia



### ○ Performance

- Simple and clear display of speed, power, error code, working hours ensure that the operator is fully informed
- The latest colour display integrated with functions such as performance selection allows the operator to configure the truck to meet different application requirements
- AC traction and lifting motors, with electronic control delivers a high level of performance

# MAST SPECIFICATIONS

## ERP18UX Mast and Capacity Chart

	Max fork height (mm)	Overall Extended Height						Free Lift		Mast Tilt		Capacity without Side Shift			
		Lowered height (mm)		Lift height				Without LBR (mm)	With LBR (mm)	Forward (Deg)	Back (Deg)	@ 500mm Single Pneumatic Tyre (kg)		@ 600mm Single Pneumatic Tyre (kg)	
		1.5t	1.8t	Without LBR (mm)		With LBR (mm)						1.5t	1.8t	1.5t	1.8t
				1.5t	1.8t	1.5t	1.8t								
2LFL	3300	2140	2140	4284	4284	3813	3813	135	135	5	10	1500	1800	1350	1620
	3500	2240	2240	4484	4484	4013	4013	135	135	5	10	1500	1800	1350	1620
	4000	2540	2540	4984	4984	4513	4513	135	135	5	10	1400	1700	1260	1532
2FFL	3000	1990	1990	3984	3984	3513	3513	1415	1030	5	10	1500	1800	1350	1620
	3300	2140	2140	4284	4284	3813	3813	1565	1180	5	10	1500	1800	1350	1620
3FFL	4500	2040	2040	5484	5484	5013	5013	1470	1080	5	6	1200	1400	1080	1260
	4800	2140	2140	5784	5784	5313	5313	1570	1180	5	6	1100	1200	990	1080
	5500	2405	2405	6484	6484	6013	6013	1835	1445	3	6	750	850	670	760

## ERP25UX Mast and Capacity Chart

	Max fork height (mm)	Overall Extended Height						Free Lift		Mast Tilt		Capacity without Side Shift			
		Lowered height (mm)		Lift height				Without LBR (mm)	With LBR (mm)	Forward (Deg)	Back (Deg)	@ 500mm Single Pneumatic Tyre (kg)		@ 600mm Single Pneumatic Tyre (kg)	
		2t	2.5t	Without LBR (mm)		With LBR (mm)						2t	2.5t	2t	2.5t
				2t	2.5t	2t	2.5t								
2LFL	3300	2165	2165	3915	3915	4317	4317	140	140	5	10	2000	2500	1810	2260
	3500	2265	2265	4115	4115	4517	4517	140	140	5	10	2000	2500	1810	2260
	4000	2565	2565	4615	4615	5017	5017	140	140	5	10	2000	2500	1810	2260
2FFL	3000	2015	2015	3615	3615	4017	4017	1385	985	5	10	2000	2500	1810	2260
	3300	2165	2165	3915	3915	4317	4317	1535	1135	5	10	2000	2500	1810	2260
3FFL	4500	2075	2075	5171	5171	5516	5516	1440	1040	5	6	1600	2000	1450	1810
	4800	2175	2175	5471	5471	5816	5816	1540	1140	5	6	1250	1700	1130	1540
	5500	2440	2440	6171	6171	6516	6516	1800	1400	3	6	900	1200	810	1090
	6000	2625	2625	6671	6671	7016	7016	1990	1590	3	6	700	800	630	720

**Note:** For integral sideloaders deduct 50kg from stated capacity



# SPECIFICATIONS

	1.1	Manufacturer	Measurement	YALE	YALE
Distinguishing mark	1.2	Model designation		ERP18UX	ERP25UX
	1.3	Power: battery, diesel, LPG, electric mains		Battery	Battery
	1.4	Operation: manual, pedestrian, stand, seat, orderpicker		Seated	Seated
	1.5	Load capacity	Q (kg)	1800	2500
	1.6	Load centre	c (mm)	500	500
	1.7	Load distance	x (mm)	410	454
	1.7	Wheelbase	y (mm)	1380	1485
Weight	2.1	Axle loading, laden front/rear (max. battery)	kg	4280/610	5755/845
	2.2	Axle loading, unladen front/rear (max. battery)	kg	1290/1800	1650/2450
Tyres, chassis	3.1	Tyres: L=pneumatic, V=cushion SE= superelastic		SE	SE
	3.2	Tyre size, front		21x8-9	23x9-10
	3.3	Tyre size, rear		5.00-8	18x7-8
	3.4	Number of wheels, front/rear (X = driven)		2x/2	2x/2
	3.5	Track width, front	b10 (mm)	955	1058
	3.6	Track width, rear	b11 (mm)	920	960
Dimensions	4.1	Mast tilt, forward a /back b	degrees	5/10	5/10
	4.2	Height of mast, lowered	h1 (mm)	2000	2015
	4.3	Free lift, "	h2 (mm)	135	140
	4.4	Lift height, "	h3 (mm)	3000	3000
	4.5	Height of mast, extended E	h4 (mm)	3980	3980
	4.6	Height to top of overhead guard m	h6 (mm)	2155	2152
	4.7	Seat height u	h7 (mm)	1080	1080
	4.8	Towing coupling height	h10 (mm)	290	250
	4.9	Overall length (with forks)	l1 (mm)	2993	3356.5
	4.10	Length to face of forks	l2 (mm)	2073	2286.5
	4.11	Overall width	b1 (mm)	1120	1285
	4.12	Fork dimensions	s/e/l (mm)	35/100/920	40/122/1070
	4.13	Fork carriage DIN 15173. Class, A/B		2A	2A
	4.14	Fork carriage width E	b3 (mm)	1040	1040
	4.15	Width over forks	b5 (mm)	890	1000
	4.16	Ground clearance, laden, below mast	m1 (mm)	95	65
	4.17	Ground clearance at centre of wheelbase	m2 (mm)	105	95
	4.18	Aisle width with pallets 1000mm long x 1200mm wide	Ast (mm)	3541	3732
	4.19	Aisle width with pallets 800mm wide x 1200mm long	Ast (mm)	3741	3932
	4.20	Outer turning radius	Wa (mm)	1965	2080
	4.21	Inner turning radius	b13 (mm)	703	599
Performance data	5.1	Travel speed laden/unladen	km/h	15/16	15/16
	5.2	Lifting speed laden/unladen	mm/s	320/400	280/400
	5.3	Lowering speed laden/unladen	mm/s	390/500	390/420
	5.4	Maximum gradeability with/without load, 5 minute rating	%	15/23	15/22
	5.5	Service brake		Hydraulic	Hydraulic
Electric-Motor	6.1	Drive Motor Rating, S2, 60min	kW	6.5	8.5
	6.2	Lifting motor, S3 15% rating	kW	8.6	11
	6.4	Battery voltage/capacity (5hr rate)	V/Ah	48/420	48/600
	6.5	Battery weight (min/max)	kg	710	950
	6.6	Battery dimensions	l/w/h(mm)	985/465/750	1028/500/780
	6.7	Power consumption in accordance with VDI cycle	kWh/h	5.0	6.2
	6.8	Drive control		AC	AC
	Add. data	8.1	Operating pressure for attachments x	bar	145
8.2		Average noise level at operator's ear -	dB (A)	70.3	67.5
8.3		Towing coupling, type DIN		Ø30 Pin	Ø30 Pin

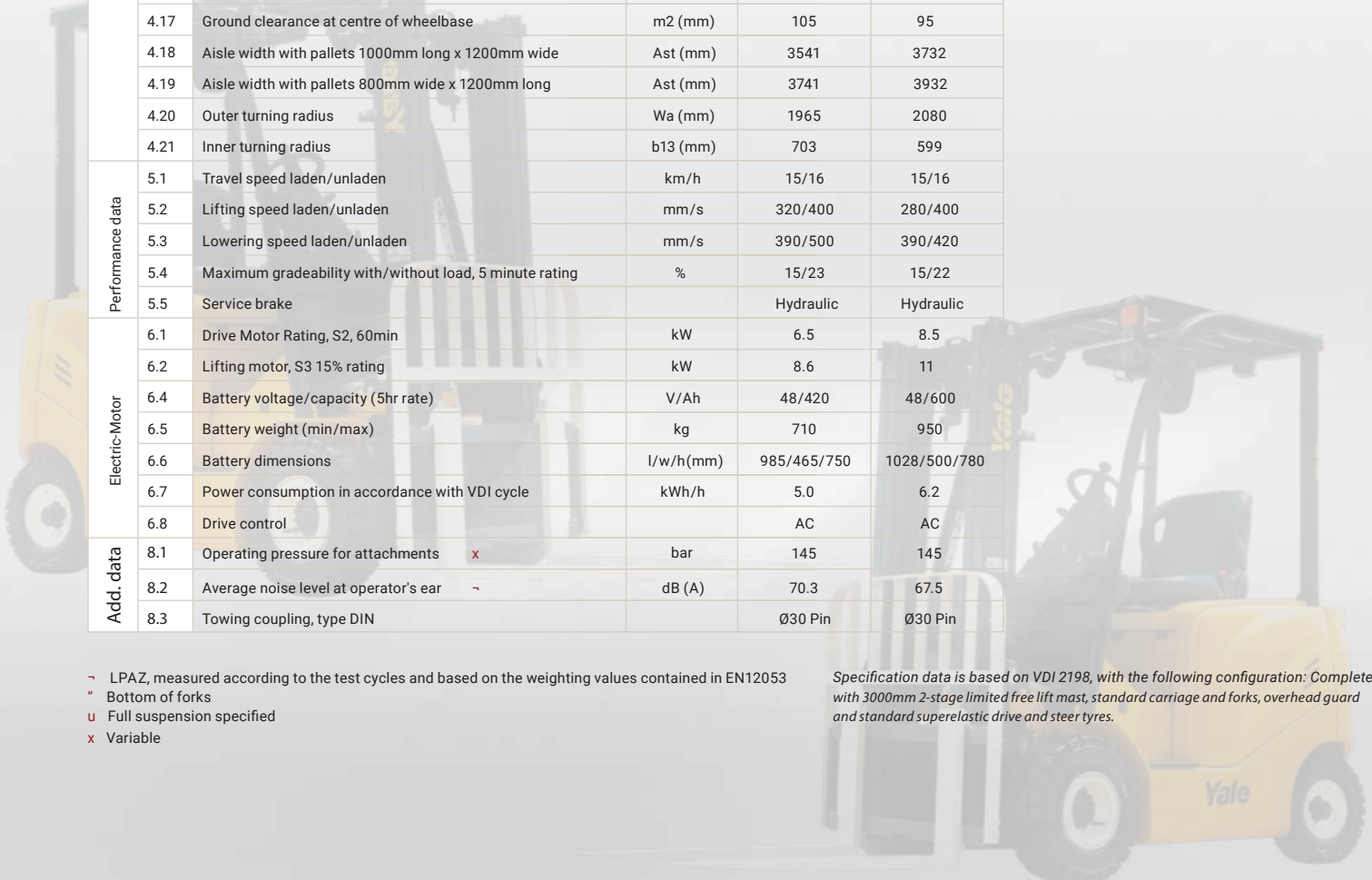
- LPAZ, measured according to the test cycles and based on the weighting values contained in EN12053

" Bottom of forks

u Full suspension specified

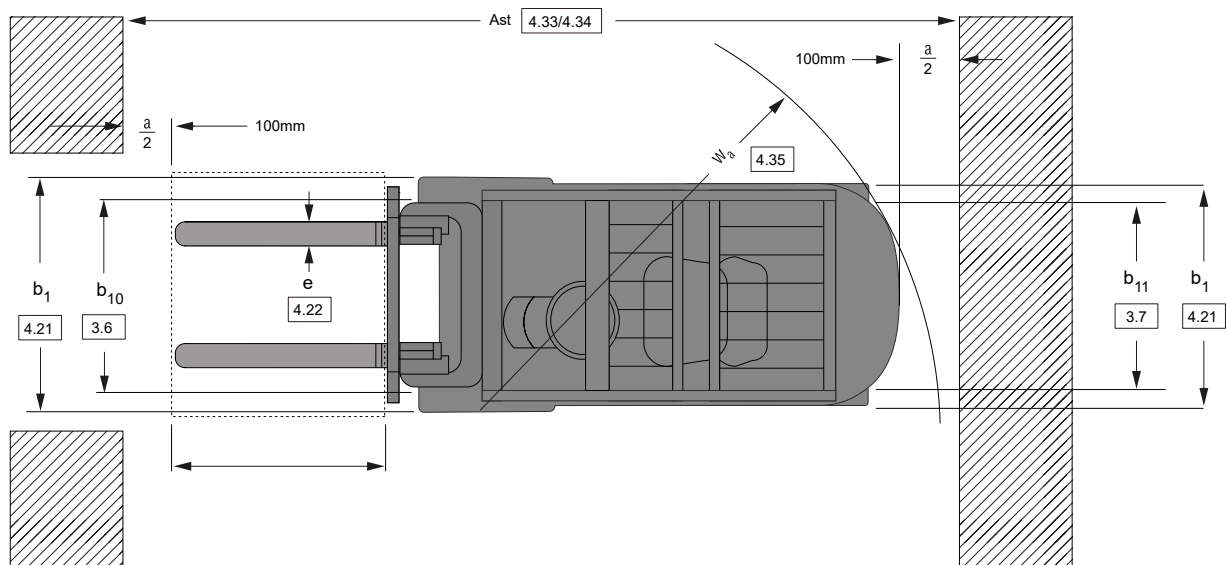
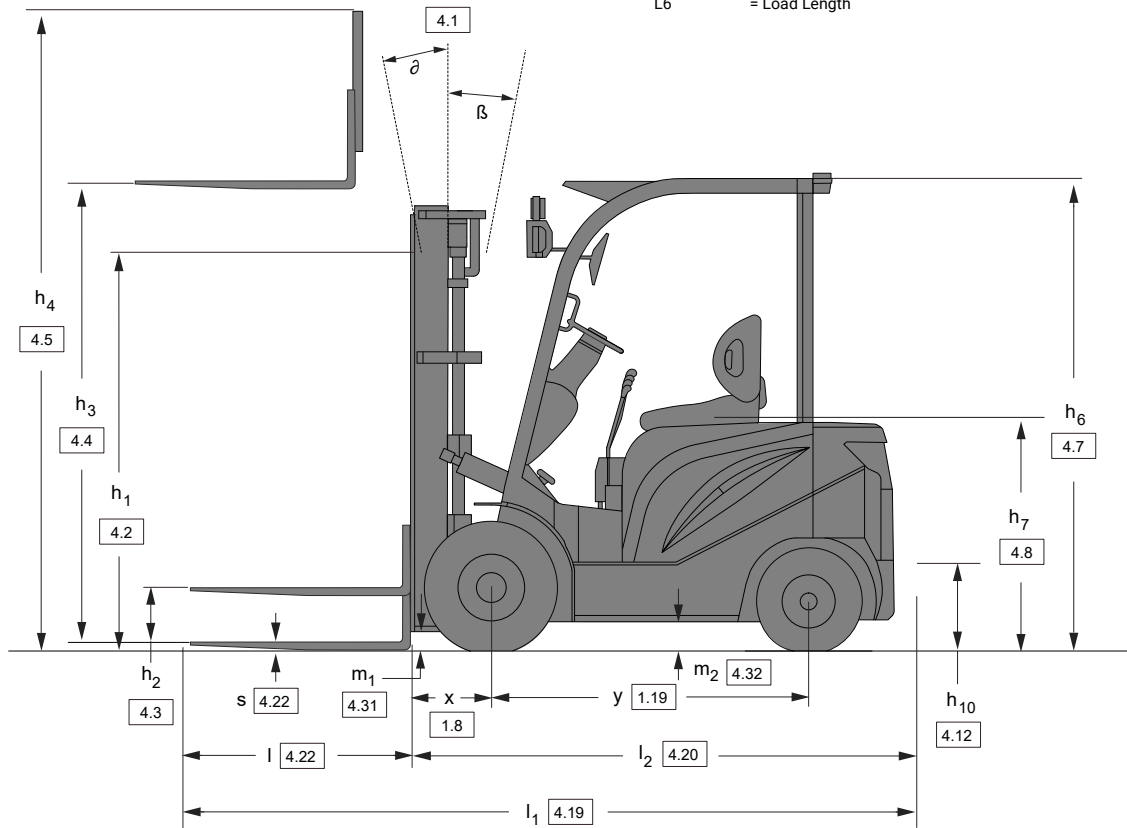
x Variable

Specification data is based on VDI 2198, with the following configuration: Complete truck with 3000mm 2-stage limited free lift mast, standard carriage and forks, overhead guard and standard superelastic drive and steer tyres.



# DIMENSIONS

- Ast =  $Wa + x + L6 + a$
- a = Minimum operating clearance of 200mm
- L6 = Load Length



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