

H2.0-3.5UT



**INTERNAL COMBUSTION
COUNTERBALANCED FORKLIFT**
Product Brochure



FEATURES

1 HIGH STRENGTH OVERHEAD GUARD

Overhead guard featuring high strength profiled steel sections to enhance operator protection.

2 FULL SUSPENSION SEAT

Full suspension seat that offers excellent comfort, fitted with an operator's presence system as standard.

3 LOW STEP HEIGHT

Convenient step placing to suit a variety of driver heights to ensure easy access to the truck at all times.





4

WIDE VIEW MAST

The wide view mast delivers excellent visibility of the load and operator's forward field of view, optimising ergonomics and truck productivity.

5

SMALL STEERING WHEEL

The adjustable steering wheel is convenient for the operator, providing 8 degrees of tilt adjustment. Allowing for good manoeuvrability when working in confined spaces.

6

INDUSTRIAL ENGINE

The UT range of industrial engines provide good reliability and easy sourcing of replacement parts.

OVERVIEW

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

The range

The range consists of 2,000 – 3,500 kg. IC counterbalance, pneumatic tyre forklift trucks, available in four different capacities:

2,000 KG – H2.OUT / 2,500 KG – H2.5UT
3,000 KG – H3.OUT / 3,500 KG – H3.5UT

Each model is available with diesel, LPG or dual-fuel power, a single-speed powershift transmission and a range of front end equipment options to suit varying application requirements.

Easy to operate

The ergonomically designed operator compartment, with a familiar automotive layout, means that drivers will be able to work comfortably.

A range of standard features and options help to ensure that the truck is configured to the needs of the application.

Serviceability

Due to the simplicity of the components and specifications, servicing can be carried out quickly and easily.

Low cost of ownership

The use of high quality, robust components, efficient filtration and excellent cooling helps contribute to reliable operations and lower wear and tear. This, together with the fast availability of cost-effective replacement parts helps to reduce service and maintenance requirements and costs.

Comfort

- Hyster special display with 3.5" LCD
- Large foot room on floor plate
- Dual suspension system
- Hand parking brake lever with button greatly reduces fatigue in operation
- Small diameter steering wheel with adjustable steering column

Safety and stability

- Wide view mast
- High strength overhead guard
- Muffler and engine protective system
- Low centre of gravity

Easy maintenance

- Large access area for service and repairs
- Simple components
- Computer-based diagnostics not required

Reliability and exchangeability

- Triplex plate overhead guard
- Exchangeable components across models

Environmental protection

- Noise isolation material
- Environmentally-aware design

FEATURES

ENGINEERED FOR DRIVERS WITH COMFORT, SAFETY AND ERGONOMICS



Hyster display with 3.5" LCD

- The Hyster UT Series Forklift adopts a 3.5" LCD display, providing convenient viewing of the display data when driving and operating



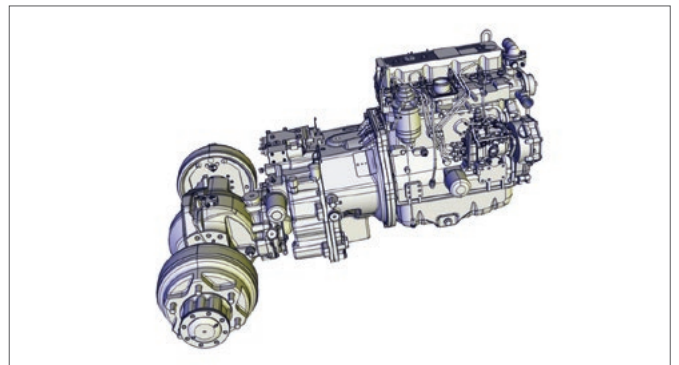
Hand parking brake

- Low effort to operate park brake lever
- Hand parking brake lever with button reduces operator fatigue



Large foot room

- Spacious foot room design provides comfort, convenience and safety
- Control pedals provide extra foot space which reduces operator fatigue and increases operator comfort



Dual suspension system

- The specialised dual-suspension system decreases vibration and noise
- Full floating safeguard/cabin system
- Engine vibration damper
- Suspended transmission replaces traditional rigid connections

FEATURES



Small diameter steering wheel with adjustable steer column

- The 300 mm diameter steering wheel is easy to manipulate, responsive, and ensures optimum mobility when working in a narrow space
- The ideally positioned steering wheel allows 8 degrees of adjustment, to suit a variety of different operators



High strength overhead guard

- Profiled steel overhead guard
- High strength roof with high strength glass enhances reliability and operator protection
- Mast composite roller structure



Wide view mast

- The wide view mast with an outside width of 720 mm, significantly improves the driver's front field of view, and increases the productivity and ergonomics of the operation



Large access area for service and repairs

- Large access space to engine compartment makes service and repairs more convenient

SERVICING



Suspension seat

- Full suspension seat offers excellent comfort
- Operator presence system as standard



Triplex plate overhead guard

- The overhead guard is developed using three pieces; left side, right side and top canopy making replacement more convenient



Exchangeable components

- Engine cover, instrument panel, display and most other components are exchangeable with other capacities in the same range
- Front fenders adaptable to single or dual wheel configuration

Improved lifting speed

- Competitive lifting speeds

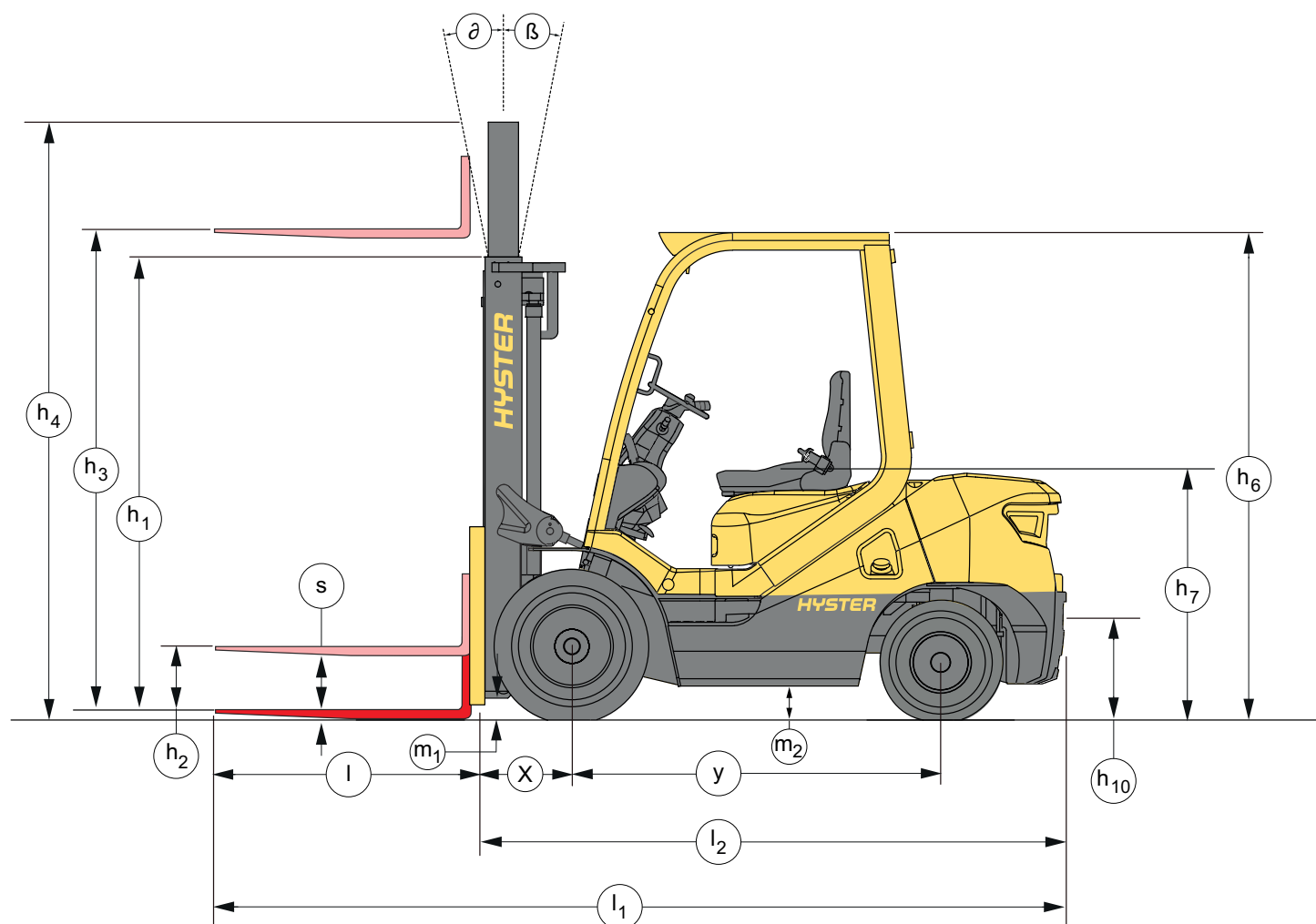
OPTIONS

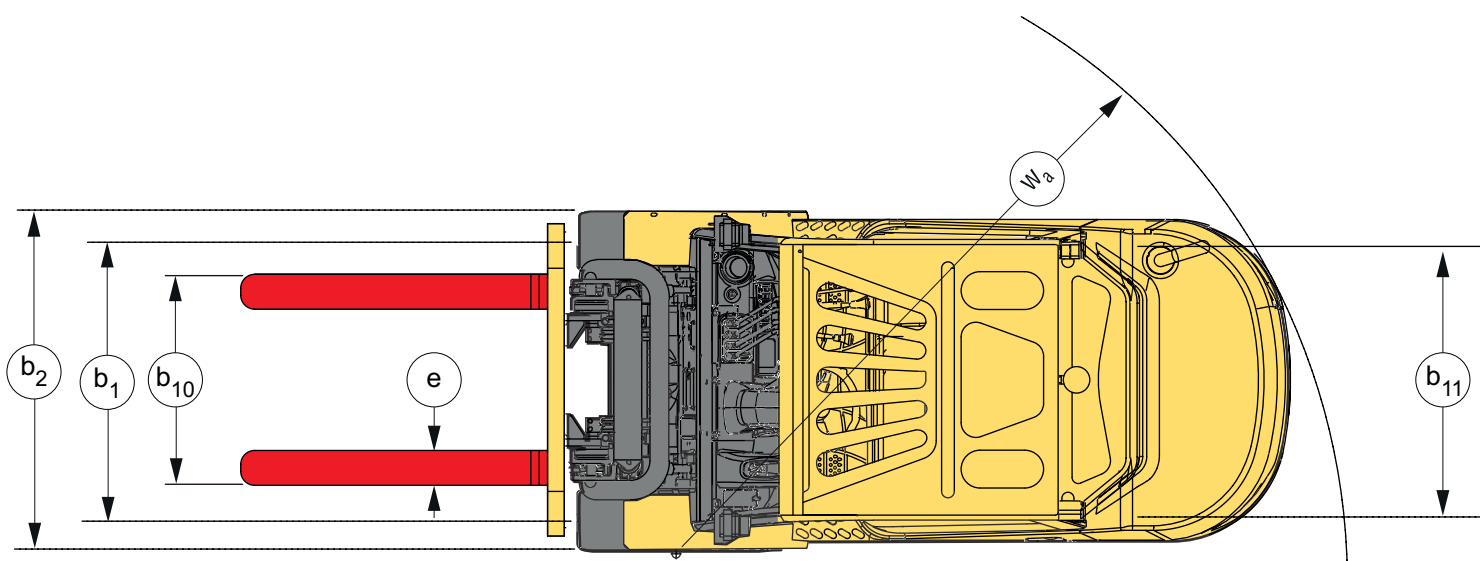
HYSTER® UT Series trucks feature a comprehensive range of standard equipment, with a number of options available to suit the specific needs of your application, including:

- LPG, dual-fuel or diesel
- Pneumatic-shaped solid, or dual tyres
- Various fork lengths
- Integral sideshift
- Swing-out drop down LPG bracket
- Rear, LED work light
- Strobe light
- Backup alarm
- High air intake with pre-cleaner
- Tilt cylinder boots
- Various mast heights
- 3 way catalytic purifier on LPG engines
- Glass roof
- Front window with wiper

Please refer to the Price List for full option configurations.

TRUCK DIMENSIONS





H2.OUT SPECIFICATIONS

DISTINGUISHING MARK	1.1	Manufacturer (abbreviation)		Hyster				
	1.2	Model designation		H2.OUT				
	1.2.1	Engine/transmission		Yanmar 2.6L	LS 2.5L	Xinchai 2.67L	GCT K25	Xinchai 2.7L
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		DIESEL			LPG / PETROL	
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seated				
	1.5	Rated capacity/rated load	Q (kg)	2000				
	1.6	Load center distance	c (mm)	500				
	1.8	Load distance, centre of drive axle to fork	x (mm)	465				
	1.9	Wheelbase	y (mm)	1600				
WEIGHT	2.1	Service weight	kg	3550				
	2.2	Axle loading, laden front/rear	kg	4780/750				
	2.3	Axle loading, unladen front/rear	kg	1480/2050				
TYRES, CHASSIS	3.1	Tyre type		Pneumatic				
	3.2	Tyre size, front		7.00-12-12PR				
	3.3	Tyre size, rear		6.00-9-10PR				
	3.5	Wheels, number front/rear (X=drive wheels)		2X / 2				
	3.6	Tread, front	b10 (mm)	970				
	3.7	Tread, rear	b11 (mm)	980				
DIMENSIONS	4.1	Tilt of mast/ fork carriage forward/backward	α / β [°]	6 / 12				
	4.2	Height, mast lowered	h1 (mm)	2010				
	4.3	Freelift	h2 (mm)	160				
	4.4	Lift	h3 (mm)	3000				
	4.5.1	Height of mast, extended w/o LBR	h4 (mm)	3575				
	4.5.2	Height of mast, extended w/ LBR	h4 (mm)	3990				
	4.7	Height of overhead guard	h6 (mm)	2180				
	4.8	Seat height/stand height	h7 (mm)	1167				
	4.12	Coupling height	h10 (mm)	250				
	4.19	Overall length	l1 (mm)	3630				
	4.20	Length to face of forks	l2 (mm)	2560				
	4.21	Overall width (standard/dual)	b1/b2 (mm)	1150 / 1590				
	4.22	Fork dimensions	s/e/l (mm)	40 × 122 × 1070				
	4.23	Fork carriage to DIN 15173, Class A/B		II A				
	4.24	Fork carriage width	b3 (mm)	1040				
	4.31	Ground clearance, laden, below mast	m1 (mm)	125				
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	150				
	4.34.1	Aisle width with pallets 1000 long × 1200 wide	Ast (mm)	3966				
	4.34.2	Aisle width with pallets 800 wide × 1200 long	Ast (mm)	4166				
	4.35	Turning radius	Wa (mm)	2290				
	4.36	Internal turning radius	b13 (mm)	745				
	4.42	Step height (from ground to running board)	k (mm)	430				
PERFORMANCE DATA	5.1	Travel speed, laden/unladen	km/h	19 / 19	18 / 18	20 / 20	19/19	18/19
	5.2	Lifting speed, laden/unladen	m/s	0.54 / 0.57	0.50 / 0.53	0.54 / 0.57	0.50 / 0.53	0.49/0.52
	5.3	Lowering speed, laden/unladen	m/s	0.43 / 0.40				
	5.5	Maximum drawbar pull with/without load	N	12774 / 8761	25400 / 15500	18400 / 10400	16651 / 8761	23000/15500
	5.6.1	Drawbar pull, with/without load @ 1.6 km/h	N	12500 / 10500	21400 / 15000	15640 / 13140	15000 / 12000	20000/14000
	5.6.1	Drawbar pull with/without load @ 4.8 km/h	N	8879 / 7544	16300 / 14000	11700 / 10200	7544 / 6872	11700/10200
	5.7.1	Gradeability, with/without load, @ 1.6 km/h	%	20 / 25	22 / 26	24 / 26	25 / 25	24 / 26
	5.7.2	Gradeability, with/without load @ 4.8 km/h	%	18 / 22	20 / 25	20 / 25	13 / 22	20 / 25
	5.10	Service brake		Hydraulic				
COMBUSTION-ENGINE	7.1	Engine		Yanmar 2.6L	L4CRV-T6	Xinchai 2.67L	GCT K25	Xinchai 2.7L
	7.2	Engine power according to ISO 1585	kW	33	42	36.8	37.4	41
	7.3	Rated speed	min-1	2450	2300	2500	2300	2500
	7.4	Number of cylinders		4				
	7.4	Cylinder displacement	cm3	2659	2505	2674	2488	2674
	7.5	Fuel consumption according to VDI cycle	l/h or kg/h	3.7		2.9	3.7	
ADDITIONAL	8.1	Type of drive		Automatic				
	10.1	Operating pressure of attachments	bar	0-175				
	10.2	Oil volume for attachments	l/min	64	65	64		
	10.3	Hydraulic oil tank capacity - initial fill	l	60				
	10.4.2	Fuel tank capacity	l	60				
	10.7.1	Sound pressure at driver's ear OHG	dB(A)	84				
	10.7.3	Guaranteed sound power 2001/14/EC	dB(A)	104			103	
	10.8	Towing coupling type		PIN				

Note: Specification data is based on VDI 2198, with the following configuration: Complete truck with 2 STG LFL 3000 mm mast, standard carriage and 1070mm forks, overhead guard and standard pneumatic drive and steer tyres.

H2.5UT SPECIFICATIONS

DISTINGUISHING MARK	1.1	Manufacturer (abbreviation)		Hyster				
	1.2	Model designation		H2.5UT				
	1.2.1	Engine/transmission		Yanmar 2.6L	LS 2.5L	Xinchai 2.67L	GCT K25	Xinchai 2.7L
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		DIESEL			LPG / PETROL	
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seated				
	1.5	Rated capacity/rated load	Q (kg)	2500				
	1.6	Load center distance	c (mm)	500				
	1.8	Load distance, centre of drive axle to fork	x (mm)	465				
	1.9	Wheelbase	y (mm)	1600				
WEIGHT	2.1	Service weight	kg	3800				
	2.2	Axle loading, laden front/rear	kg	5510 / 780				
	2.3	Axle loading, unladen front/rear	kg	1380 / 2410				
TYRES, CHASSIS	3.1	Tyre type		Pneumatic				
	3.2	Tyre size, front		7.00-12-12PR				
	3.3	Tyre size, rear		6.00-9-10PR				
	3.5	Wheels, number front/rear (X=drive wheels)		2X / 2				
	3.6	Tread, front	b10 (mm)	970				
	3.7	Tread, rear	b11 (mm)	980				
DIMENSIONS	4.1	Tilt of mast/fork carriage forward/backward	α / β (°)	6 / 12				
	4.2	Height, mast lowered	h1 (mm)	2010				
	4.3	Freelift	h2 (mm)	160				
	4.4	Lift	h3 (mm)	3000				
	4.5.1	Height of mast, extended w/o LBR	h4 (mm)	3575				
	4.5.2	Height of mast, extended w/ LBR	h4 (mm)	3990				
	4.7	Height of overhead guard	h6 (mm)	2180				
	4.8	Seat height/stand height	h7 (mm)	1167				
	4.12	Coupling height	h10 (mm)	250				
	4.19	Overall length	l1 (mm)	3690				
	4.20	Length to face of forks	l2 (mm)	2620				
	4.21	Overall width (standard/dual)	b1/b2 (mm)	1150 / 1590				
	4.22	Fork dimensions	s/e/l (mm)	40 × 122 × 1070				
	4.23	Fork carriage to DIN 15173, Class A/B		II A				
	4.24	Fork carriage width	b3 (mm)	1040				
	4.31	Ground clearance, laden, below mast	m1 (mm)	125				
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	150				
	4.34.1	Aisle width with pallets 1000 long × 1200 wide	Ast (mm)	4026				
	4.34.2	Aisle width with pallets 800 wide × 1200 long	Ast (mm)	4226				
	PERFORMANCE DATA	4.35	Turning radius	Wa (mm)	2350			
4.36		Internal turning radius	b13 (mm)	745				
4.42		Step height (from ground to running board)	k (mm)	430				
5.1		Travel speed, laden/unladen	km/h	19 / 19	18 / 18	19 / 20	19 / 19	18/19
5.2		Lifting speed, laden/unladen	m/s	0.56 / 0.61	0.50 / 0.53	0.56 / 0.59	0.42 / 0.54	0.43 / 0.40
5.3		Lowering speed, laden/unladen	m/s	0.45 / 0.41	0.43 / 0.40	0.45 / 0.42	0.45 / 0.41	0.45 / 0.41
5.5		Maximum drawbar pull with/without load	N	12648 / 8450	25400 / 15500	18100 / 15000	16790 / 8450	23000 / 15500
5.6.1		Drawbar pull, with/without load @ 1.6 km/h	N	13500 / 10500	21400 / 15000	15640 / 11640	16000 / 12000	20000/14000
5.6.1		Drawbar pull with/without load @ 4.8 km/h	N	8879 / 7185	16300 / 14000	11960 / 9960	7185 / 6872	11700/10200
5.7.1		Gradeability, with/without load, @ 1.6 km/h	%	22 / 25	22 / 26	25 / 25		24 / 26
5.7.2	Gradeability, with/without load @ 4.8 km/h	%	15 / 19	20 / 25	18 / 25	11 / 19	18 / 19	
COMBUSTION-ENGINE	5.10	Service brake		Hydraulic				
	7.1	Engine		Yanmar 2.6L	L4CRV-T6	Xinchai 2.67L	GCT K25	Xinchai 2.7L
	7.2	Engine power according to ISO 1585	kW	33	42	36.8	37.4	41
	7.3	Rated speed	min-1	2450	2300	2500	2300	2500
	7.4	Number of cylinders		4				
	7.4	Cylinder displacement	cm3	2659	2505	2674	2488	2674
	7.5	Fuel consumption according to VDI cycle	l/h or kg/h	3.64	3.8	3.32	4.96	
ADDITIONAL	8.1	Type of drive		Automatic				
	10.1	Operating pressure of attachments	bar	0-175				
	10.2	Oil volume for attachments	L/min	64				
	10.3	Hydraulic oil tank capacity - initial fill	l	60				
	10.4.2	Fuel tank capacity	l	60				
	10.7.1	Sound pressure at driver's ear OHG	dB(A)	84.7	84			
	10.7.3	Guaranteed sound power 2001/14/EC	dB(A)	104			103	
	10.8	Towing coupling type		PIN				

Note: Specification data is based on VDI 2198, with the following configuration: Complete truck with 2 STG LFL 3000 mm mast, standard carriage and 1070mm forks, overhead guard and standard pneumatic drive and steer tyres.

H3.OUT SPECIFICATIONS

DISTINGUISHING MARK	1.1	Manufacturer (abbreviation)		HYSTER				
	1.2	Model designation		H3.OUT				
	1.2.1	Engine/transmission		Yanmar 3.3L	LS 2.5L	Xinchai 2.67L	GCT K25	Xinchai 2.7L
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		DIESEL			LPG / PETROL	
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seated				
	1.5	Rated capacity/rated load	Q (kg)	3000				
	1.6	Load center distance	c (mm)	500				
	1.8	Load distance, centre of drive axle to fork	x (mm)	490				
	1.9	Wheelbase	y (mm)	1700				
WEIGHT	2.1	Service weight	kg	4300				
	2.2	Axle loading, laden front/rear	kg	6490 / 790				
	2.3	Axle loading, unladen front/rear	kg	1690 / 2590				
TYRES, CHASSIS	3.1	Tyre type		Pneumatic				
	3.2	Tyre size, front		28x9-15-14PR				
	3.3	Tyre size, rear		6.50-10-10PR				
	3.5	Wheels, number front/rear (X=drive wheels)		2X / 2				
	3.6	Tread, front	b10 (mm)	1000				
	3.7	Tread, rear	b11 (mm)	970				
DIMENSIONS	4.1	Tilt of mast/fork carriage forward/backward	α / β [°]	6 / 12				
	4.2	Height, mast lowered	h1 (mm)	2075				
	4.3	Freelift	h2 (mm)	165				
	4.4	Lift	h3 (mm)	3000				
	4.5.1	Height of mast, extended w/o LBR	h4 (mm)	3640				
	4.5.2	Height of mast, extended w/ LBR	h4 (mm)	4100				
	4.7	Height of overhead guard	h6 (mm)	2205				
	4.8	Seat height/stand height	h7 (mm)	1192				
	4.12	Coupling height	h10 (mm)	260				
	4.19	Overall length	l1 (mm)	3765				
	4.20	Length to face of forks	l2 (mm)	2695				
	4.21	Overall width (standard/dual)	b1/b2 (mm)	1210 / 1650				
	4.22	Fork dimensions	s/e/l (mm)	45 × 122 × 1070				
	4.23	Fork carriage to DIN 15173, Class A/B		III A				
	4.24	Fork carriage width	b3 (mm)	1100				
	4.31	Ground clearance, laden, below mast	m1 (mm)	140				
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	145				
	4.34.1	Aisle width with pallets 1000 long × 1200 wide	Ast (mm)	4126				
	4.34.2	Aisle width with pallets 800 wide × 1200 long	Ast (mm)	4326				
	PERFORMANCE DATA	4.35	Turning radius	Wa (mm)	2430			
4.36		Internal turning radius	b13 (mm)	830				
4.42		Step height (from ground to running board)	k (mm)	455				
5.1		Travel speed, laden/unladen	km/h	19 / 20	18 / 18	18 / 19	18 / 19	18 / 19
5.2		Lifting speed, laden/unladen	m/s	0.42 / 0.45	0.39 / 0.42	0.42 / 0.45	0.40 / 0.43	0.40 / 0.43
5.3		Lowering speed, laden/unladen	m/s	0.40 / 0.38	0.38 / 0.37	0.43 / 0.40	0.40 / 0.38	0.40 / 0.38
5.5		Maximum drawbar pull with/without load	N	20596 / 14800	24100 / 18000	17000 / 12000	17480 / 11980	17480 / 11980
5.6.1		Drawbar pull, with/without load @ 1.6 km/h	N	17500 / 14000	20400 / 14000	15766 / 12766	15000 / 13000	15000 / 13000
5.6.1		Drawbar pull with/without load @ 4.8 km/h	N	8119 / 7319	15500 / 11000	11766 / 8766	11500 / 8000	11500 / 11500
5.7.1		Gradeability, with/without load, @ 1.6 km/h	%	24 / 25	20 / 25	19 / 25	20 / 25	20 / 25
5.7.2	Gradeability, with/without load @ 4.8 km/h	%	12 / 19	19.5 / 24	14 / 19	13 / 19	13 / 19	
COMBUSTION-ENGINE	5.10	Service brake		Hydraulic				
	7.1	Engine		Yanmar 3.3L	L4CRV-T6	Xinchai 2.67L	GCT K25	Xinchai 2.7L
	7.2	Engine power according to ISO 1585	kW	42.1	42	36.8	37.4	41
	7.3	Rated speed		2300		2500	2300	2500
	7.4	Number of cylinders		4				
	7.4	Cylinder displacement	cm3	3319	2505	2764	2488	2674
	7.5	Fuel consumption according to VDI cycle	l/h or kg/h	4.06	4.0	3.6	3.5	
	8.1	Type of drive		Automatic				
	10.1	Operating pressure of attachments	bar	0-175				
	10.2	Oil volume for attachments	ℓ/min	64				
	10.3	Hydraulic oil tank capacity - initial fill	ℓ	70				
	10.4.2	Fuel tank capacity	ℓ	70				
	10.7.1	Sound pressure at driver's ear OHG	dB(A)	84				
	10.7.3	Guaranteed sound power 2001/14/EC	dB(A)	104			103	
	10.8	Towing coupling type		PIN				

Note: Specification data is based on VDI 2198, with the following configuration: Complete truck with 2 STG LFL 3000 mm mast, standard carriage and 1070mm forks, overhead guard and standard pneumatic drive and steer tyres.

H3.5UT SPECIFICATIONS

DISTINGUISHING MARK	1.1	Manufacturer (abbreviation)		HYSTER				
	1.2	Model designation		H3.5UT				
	1.2.1	Engine/transmission		Yanmar 3.3L	LS 2.5L	Xinchai 2.67L	GCT K25	Xinchai 2.7L
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		DIESEL			LPG / PETROL	
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seated				
	1.5	Rated capacity/rated load	Q (kg)	3500				
	1.6	Load center distance	c (mm)	500				
	1.8	Load distance, centre of drive axle to fork	x (mm)	510				
	1.9	Wheelbase	y (mm)	1700				
WEIGHT	2.1	Service weight	kg	4710				
	2.2	Axle loading, laden front/rear	kg	7250 / 960				
	2.3	Axle loading, unladen front/rear	kg	1690 / 3020				
TYRES, CHASSIS	3.1	Tyre type		Pneumatic				
	3.2	Tyre size, front		28x9-15-14PR				
	3.3	Tyre size, rear		6.50-10-10PR				
	3.5	Wheels, number front/rear (X=drive wheels)		2X / 2				
	3.6	Tread, front	b10 (mm)	1000				
DIMENSIONS	3.7	Tread, rear	b11 (mm)	970				
	4.1	Tilt of mast/fork carriage forward/backward	α / β [°]	6 / 12				
	4.2	Height, mast lowered	h1 (mm)	2150				
	4.3	Freelift	h2 (mm)	170				
	4.4	Lift	h3 (mm)	3000				
	4.5.1	Height of mast, extended w/o LBR	h4 (mm)	3700				
	4.5.2	Height of mast, extended w/ LBR	h4 (mm)	4100				
	4.7	Height of overhead guard	h6 (mm)	2205				
	4.8	Seat height/stand height	h7 (mm)	1192				
	4.12	Coupling height	h10 (mm)	260				
	4.19	Overall length	l1 (mm)	3850				
	4.20	Length to face of forks	l2 (mm)	2780				
	4.21	Overall width (standard/dual)	b1/b2 (mm)	1210 / 1650				
	4.22	Fork dimensions	s/e/l (mm)	45 × 122 × 1070				
	4.23	Fork carriage to DIN 15173, Class A/B		III A				
	4.24	Fork carriage width	b3 (mm)	1100				
	4.31	Ground clearance, laden, below mast	m1 (mm)	140				
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	145				
	4.34.1	Aisle width with pallets 1000 long × 1200 wide	Ast (mm)	4210				
	4.34.2	Aisle width with pallets 800 wide × 1200 long	Ast (mm)	4410				
PERFORMANCE DATA	4.35	Turning radius	Wa (mm)	2500				
	4.36	Internal turning radius	b13 (mm)	830				
	4.42	Step height (from ground to running board)	k (mm)	455				
	5.1	Travel speed, laden/unladen	km/h	19 / 20	18 / 18	19 / 20	18 / 19	18/19
	5.2	Lifting speed, laden/unladen	m/s	0.38 / 0.40	0.38 / 0.41	0.34 / 0.36	0.33 / 0.36	0.33 / 0.36
	5.3	Lowering speed, laden/unladen	m/s	0.45 / 0.38	0.38 / 0.37	0.45 / 0.38		0.45 / 0.38
	5.5	Maximum drawbar pull with/without load	N	17739 / 9870	24100 / 17500	16560 / 10060	16679 / 9870	23300 / 11000
	5.6.1	Drawbar pull, with/without load @ 1.6 km/h	N	16500 / 13000	20400 / 15000	15209 / 12709	14000 / 12000	14000 / 12000
	5.6.1	Drawbar pull with/without load @ 4.8 km/h	N	8968 / 8892	15500 / 9500	11684 / 9684	6906 / 8892	6906 / 8892
	5.7.1	Gradeability, with/without load, @ 1.6 km/h	%	19 / 25	20 / 24	16.5 / 24	17 / 25	17 / 25
COMBUSTION-ENGINE	5.7.2	Gradeability, with/without load @ 4.8 km/h	%	13 / 19	17 / 21	12 / 16.50	10 / 19	10 / 19
	5.10	Service brake		Hydraulic				
	7.1	Engine		Yanmar 3.3L	L4CRV-T6	Xinchai 2.67L	GCT K25	Xinchai 2.7L
	7.2	Engine power according to ISO 1585	kW	42.1	42	36.8	37.4	41
	7.3	Rated speed	min-1	2300		2500	2300	2500
	7.4	Number of cylinders		4				
	7.4	Cylinder displacement	cm3	3319	2505	2764	2488	2674
	7.5	Fuel consumption according to VDI cycle	l/h or kg/h	4.9	4.2	4.0	4.3	4.5
	8.1	Type of drive		Automatic				
	10.1	Operating pressure of attachments	bar	0-175	0-195	0-175		
	10.2	Oil volume for attachments	ℓ/min	64				
	10.3	Hydraulic oil tank capacity - initial fill	ℓ	70				
	10.4.2	Fuel tank capacity	ℓ	70				
	10.7.1	Sound pressure at driver's ear OHG	dB(A)	88.5	84		81.7	
	10.7.3	Guaranteed sound power 2001/14/EC	dB(A)	104			103	
	10.8	Towing coupling type		PIN				

Note: Specification data is based on VDI 2198, with the following configuration: Complete truck with 2 STG LFL 3000 mm mast, standard carriage and 1070mm forks, overhead guard and standard pneumatic drive and steer tyres.

MAST AND CAPACITY INFORMATION

H2.OUT RATED CAPACITY KG @ 500 MM AND 600 MM LOAD CENTRE

MAXIMUM FORK HEIGHT H ₃ + S (MM)	MAST TILT		LOWERED HEIGHT H ₁ (MM)	EXTENDED HEIGHT H ₄ (MM) (1)	EXTENDED HEIGHT H ₄ (MM) (2)	FREE LIFT HEIGHT H ₂ + S (MM)		H2.OUT WITHOUT SIDESHIFT			
	FWD TILT (°)	BACK TILT (°)				WITHOUT LBR (MM)	WITH LBR (MM)	SOLID TYRES		PNEUMATIC TYRES	
								500 MM LC	600 MM LC	500 MM LC	600 MM LC
2-STAGE LIMITED FREE LIFT											
3000	6	12	2010	3575	3990	160	160	2000	1800	2000	1800
4000	6	6	2560	4575	4990	160	160	2000	1800	2000	1800
4500	6	6	2810	5075	5490	160	160	1900	1710	1850	1710
5000	6	6	3060	5575	5990	160	160	1800	1620	1590	1550
5500	3	6	3360	6075	6490	160	160	1690	1520	1150	1130
6000	3	6	3610	6575	6990	160	160	1520	1400	870	860
2-STAGE FFL											
3000	6	12	2010	3590	3990	1420	1020	2000	1800	2000	1800
3-STAGE FULL FREE LIFT											
4500	6	6	2060	5017	5490	1440	1070	1900	1730	1830	1730
4800	6	6	2160	5317	5790	1540	1170	1840	1670	1710	1660
5500	3	6	2425	6017	6490	1800	1430	1670	1510	1110	1110
6000	3	6	2610	6517	6990	1990	1620	1430	1390	850	850
6500	3	6	2825	7017	7490	2215	1835	1170	1170	610	610

H2.5UT RATED CAPACITY KG @ 500 MM AND 600 MM LOAD CENTRE

MAXIMUM FORK HEIGHT H ₃ + S (MM)	MAST TILT		LOWERED HEIGHT H ₁ (MM)	EXTENDED HEIGHT H ₄ (MM) (1)	EXTENDED HEIGHT H ₄ (MM) (2)	FREE LIFT HEIGHT H ₂ + S (MM)		H2.OUT WITHOUT SIDESHIFT			
	FWD TILT (°)	BACK TILT (°)				WITHOUT LBR (MM)	WITH LBR (MM)	SOLID TYRES		PNEUMATIC TYRES	
								500 MM LC	600 MM LC	500 MM LC	600 MM LC
2-STAGE LIMITED FREE LIFT											
3000	6	12	2010	3575	3990	160	160	2500	2300	2500	2300
4000	6	6	2560	4575	4990	160	160	2500	2300	2500	2300
4500	6	6	2810	5075	5490	160	160	2390	2200	2080	2010
5000	6	6	3060	5575	5990	160	160	2270	2090	1810	1760
5500	3	6	3360	6075	6490	160	160	1860	1840	1350	1320
6000	3	6	3610	6575	6990	160	160	1500	1480	1040	1030
2-STAGE FFL											
3000	6	12	2010	3590	3990	1420	1020	2500	2300	2500	2300
3-STAGE FULL FREE LIFT											
4500	6	6	2060	5017	5490	1440	1070	2340	2120	2020	1990
4800	6	6	2160	5317	5790	1540	1170	2270	2060	1890	1870
5500	3	6	2425	6017	6490	1800	1430	1710	1710	1280	1280
6000	3	6	2610	6517	6990	1990	1620	1410	1410	1010	1010
6500	3	6	2825	7017	7490	2215	1835	1120	1150	740	740

Note: For integral sideshift deduct 50 Kg from stated capacity, (1) = without LBR (2) with LBR, all ratings with 1070 mm forks, dual tyre capacities available upon request.

MAST AND CAPACITY INFORMATION

H3.OUT RATED CAPACITY KG @ 500 MM AND 600 MM LOAD CENTRE

MAXIMUM FORK HEIGHT H ₃ + S (MM)	MAST TILT		LOWERED HEIGHT H ₁ (MM)	EXTENDED HEIGHT H ₄ (MM) (1)	EXTENDED HEIGHT H ₄ (MM) (2)	FREE LIFT HEIGHT H ₂ + S (MM)		H2.OUT WITHOUT SIDESHIFT			
	FWD TILT [°]	BACK TILT [°]				WITHOUT LBR (MM)	WITH LBR (MM)	SOLID TYRES		PNEUMATIC TYRES	
								500 MM LC	600 MM LC	500 MM LC	600 MM LC
2-STAGE LIMITED FREE LIFT											
3000	6	12	2075	3640	4100	165	165	3000	2910	3000	2910
4000	6	6	2625	4640	5100	165	165	3000	2850	3000	2780
4500	6	6	2875	5140	5600	165	165	2860	2660	2750	2580
5000	6	6	3125	5640	6100	165	165	2760	2570	2420	2350
5500	3	6	3425	6140	6600	165	165	2340	2290	1920	1870
6000	3	6	3675	6640	7100	165	165	1800	1760	1380	1360
2-STAGE FFL											
3000	6	12	2075	3650	4100	1425	975	3000	2900	3000	2900
3-STAGE FULL FREE LIFT											
4500	6	6	2125	5100	5600	1525	1025	2790	2540	2680	2540
4800	6	6	2225	5400	5900	1625	1125	2720	2470	2610	2470
5500	3	6	2490	6100	6600	1880	1380	2190	2190	1860	1860
6000	3	6	2675	6600	7100	2075	1575	1630	1630	1280	1280
6500	3	6	2890	7100	7600	2260	1790	1220	1220	820	820

H3.5UT RATED CAPACITY KG @ 500 MM AND 600 MM LOAD CENTRE

MAXIMUM FORK HEIGHT H ₃ + S (MM)	MAST TILT		LOWERED HEIGHT H ₁ (MM)	EXTENDED HEIGHT H ₄ (MM) (1)	EXTENDED HEIGHT H ₄ (MM) (2)	FREE LIFT HEIGHT H ₂ + S (MM)		H2.OUT WITHOUT SIDESHIFT			
	FWD TILT [°]	BACK TILT [°]				WITHOUT LBR (MM)	WITH LBR (MM)	SOLID TYRES		PNEUMATIC TYRES	
								500 MM LC	600 MM LC	500 MM LC	600 MM LC
2-STAGE LIMITED FREE LIFT											
3000	6	12	2150	3700	4100	170	170	3500	3450	3500	3450
4000	6	6	2700	4700	5100	170	170	3500	3320	3310	3080
4500	6	6	2950	5200	5600	170	170	3380	3210	2960	2780
5000	6	6	3200	5700	6100	170	170	2980	2810	2470	2320
5500	3	6	3500	6200	6600	170	170	2430	2290	1950	1840
6000	3	6	3750	6700	7100	170	170	1980	1870	1520	1440
2-STAGE FFL											
3000	6	12	2150	3680	4100	1470	1050	3500	3440	3500	3440
3-STAGE FULL FREE LIFT											
4500	6	6	2200	5140	5600	1560	1100	3270	2970	2870	2810
4800	6	6	2300	5440	5900	1660	1200	3090	2900	2630	2590
5500	3	6	2565	6140	6600	1915	1455	2350	2310	1920	1880
6000	3	6	2750	6640	7100	2110	1650	1880	1860	1450	1430
6500	3	6	2965	7100	7600	2290	1830	1410	1400	920	920

Note: For integral sideshift deduct 50 Kg from stated capacity, (1) = without LBR (2) with LBR, all ratings with 1070 mm forks, dual tyre capacities available upon request.



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