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# INTERNAL COMBUSTION COUNTERBALANCED FORKLIFT

PRODUCT BROCHURE

# H5.0-7.0UT6



# FEATURES

## 1 HIGH STRENGTH OHG

The overhead guard features profiled steel to enhance operator protection.

## 2 FULL SUSPENSION SEAT

A full suspension seat that offers excellence in comfort, with an operator presence system fitted as standard.

## 3 LOW STEP HEIGHT

Convenient step placing to suit a variety of 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 comfort and truck productivity.

## 5 SMALL STEERING WHEEL

The adjustable steering wheel is convenient for the operator as it provides 8 degrees of adjustment. Allowing for good manoeuvrability when working in confined spaces.

## 6 INDUSTRIAL ENGINE

The UT Mitsubishi engine provides reliability and ease for sourcing replacement parts.



# OVERVIEW

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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 5,000 - 7,000kg. IC counterbalance, pneumatic tyre forklift trucks, available in three different capacities (lift and load centre):

**5000KG – H5.0UT6**

**6000KG – H6.0UT6**

**7000KG – H7.0UT6**

Each model is available with diesel and LPG 2-speed forward /2 reverse 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.

## Safety and stability

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

## 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

## Easy maintenance

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

## Reliability and exchangeability

- One piece welded overhead guard
- Exchangeable components across models

## Environmental protection

- Noise isolation material
- Environmentally-aware design

# FEATURES

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## 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



### Spacious footwell

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



### Transmission and drive axle

- Heavy duty and robust Powershift transmission with two forward gears and one reverse
- Durable and long life Drive Axle

# FEATURES

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## Small diameter steering wheel with adjustable steer column

- The 300mm 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 enhances reliability and operator protection



## Large access area for service and repairs

- Large access space to engine compartment makes service and repairs easy



## Suspension seat

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

# FEATURES

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## Good through-mast visibility

- The wide view mast delivers excellent visibility of the load and operator's forward field of view. Thus optimising comfort, safety and productivity
- Mast composite roller structure



## 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

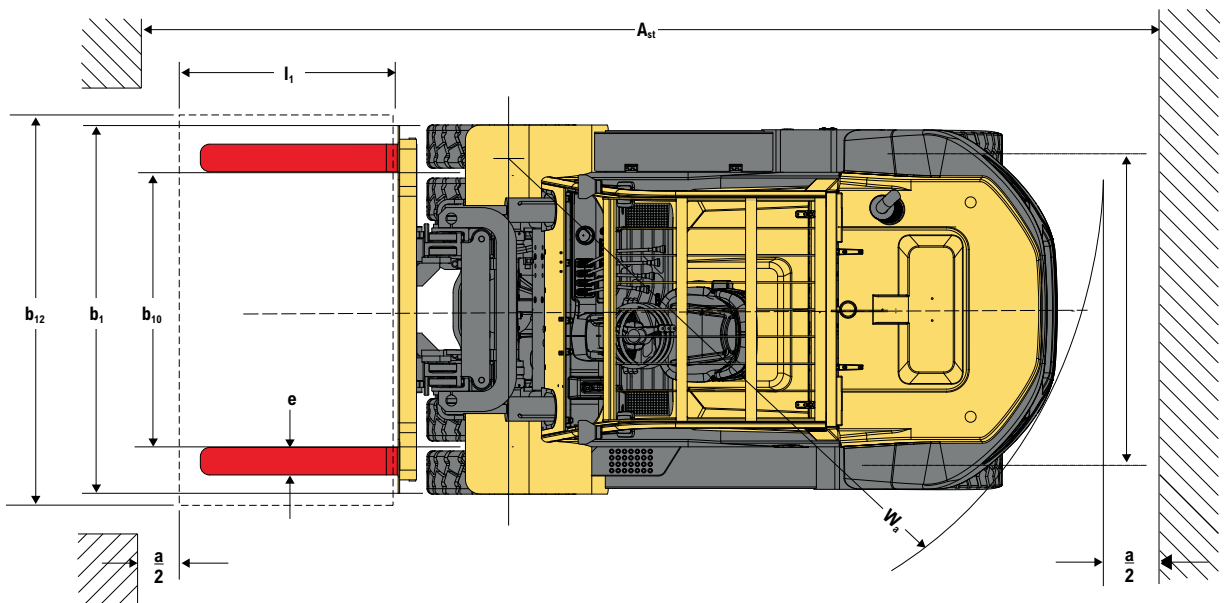
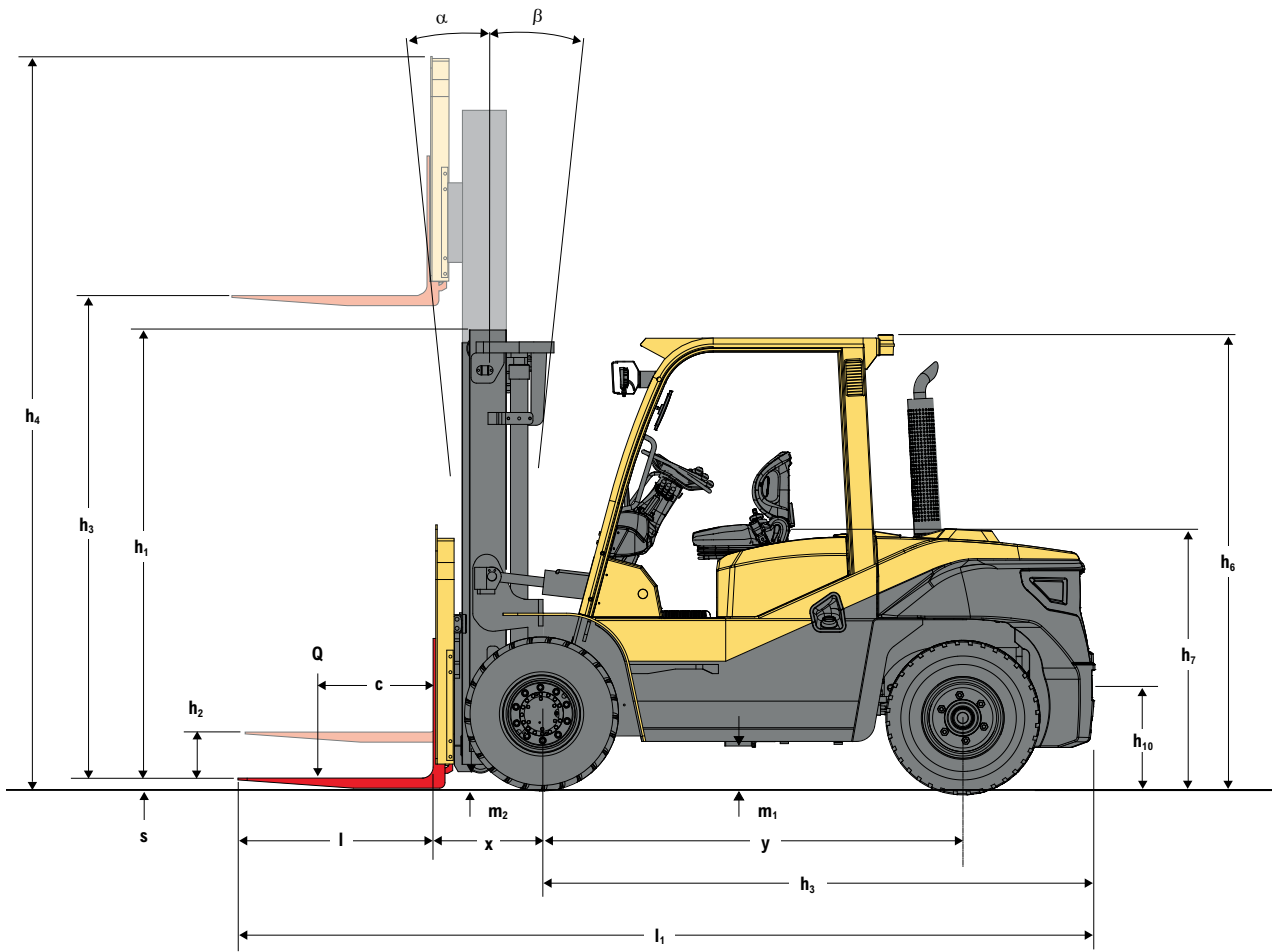
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Hyster® UT Series trucks feature a comprehensive range of standard equipment, with a number of options available to suit the specific needs of your application, including:

- Pneumatic-shaped solid tyres
- Various fork lengths
- Integral sideshift
- Rear, LED work light
- Strobe light
- Backup alarm
- High air intake with pre-cleaner
- Tilt cylinder boots
- Various mast heights
- Polycarbonate top screen
- Front window with wiper

*Please refer to NOVO or your local Hyster dealer for full option configurations.*

# DIMENSIONS



# H5.OUT6 SPECIFICATIONS

DISTINGUISHING MARK	1.1	Manufacturer	Hyster				
	1.2	Model designation	H5.OUT6				
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas	Diesel	Diesel Stage V	LPG		
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker	Seat				
	1.5	Rated capacity/rated load	(kg)	5000			
	1.6	Load centre distance	(mm)	600			
	1.8	Load distance, centre of drive axle to fork	(mm)	590			
	1.9	Wheelbase (with mast vertical)	(mm)	2300			
	WEIGHT	2.1	Service weight	(kg)	8360		
2.2		Axle loading, laden front/rear	(kg)	12090/1270			
2.3		Axle loading, unladen front/rear	(kg)	3840/4520			
TYRES, CHASSIS	3.1	Tyres: Solid rubber, superelastic, pneumatic, polyurethane	Pneumatic				
	3.2	Tyre size, front	8.25-15-14PR				
	3.3	Tyre size, rear	8.25-15-14PR				
	3.5	wheels, number front/rear	4x2				
	3.6	Tread, front	(mm)	1489			
	3.7	Tread, rear	(mm)	1700			
	DIMENSIONS	4.1	Tilt of mast/fork carriage, forward /backward	$\alpha / \beta$ (°)	10/12		
4.2		Height, mast lowered	(mm)	2500			
4.3		Free lift	(mm)	205			
4.4		Lift	(mm)	3000			
4.5		Height, mast extended	(mm)	4425			
4.7		Height of overhead guard (cabin)	(mm)	2450			
4.8		Seat height/stand height	(mm)	1400			
4.12		Towing coupling height	(mm)	345			
4.19		Overall length	(mm)	4715			
4.20		Length to face of forks	(mm)	3495			
4.21		Overall width, std/dual	(mm)	2020			
4.22		Fork dimensions ISO2331	(mm)	65/150/1220			
4.23		Fork carriage ISO 2328. Class/type, A/B		ISO 4A			
4.24		Fork carriage width	(mm)	1845			
4.31		Ground clearance, laden, below mast	(mm)	200			
4.32		Ground clearance, centre of wheelbase	(mm)	230			
4.33		Load dimension b 12*/6 crossways		1000x1000			
4.34		Aisle width with predetermined load dimensions	(mm)	5260			
4.34.1		Aisle width with pallets 1000 mm x 1200 mm crossways	(mm)	5260			
4.34.2		Aisle width with pallets 800 mm x 1200 mm crossways	(mm)	5260			
4.35		Turning radius	(mm)	3250			
4.36	Internal turning radius	b13	1105				
PERFORMANCE DATA	5.1	Travel speed, laden/unladen	km/h	Shift 2: 29/30 Shift 1: 9.5/9.5	Shift 2: 24/25 Shift 1: 9/9	Shift 2: 30/31 Shift 1: 9/9	
	5.1.1	Travel speed, laden/unladen, backwards	km/h	Shift 2: 29/30 Shift 1: 9.5/9.5	Shift 2: 24/25 Shift 1: 9/9	Shift 2: 30/31 Shift 1: 9/9	
	5.2	Lifting speed, laden/unladen	mm/s	430/460	350/440	440/460	
	5.3	Lowering speed laden/unladen	mm/s	500/400			
	5.6	Max. drawbar pull laden/unladen	N	65000/37000	61000/36000	66000/41000	
	5.7	Gradeability, laden/unladen	%	33/20	30/20	24/20	
	5.9	Acceleration time, laden/unladen	sec	With load: 6.07(S1)/6.25(S2) Without load: 5.43(S1)/4.83(S2) TBC			
	5.10	Service brake		Hydraulic			
	COMBUSTION-ENGINE	7.1	Engine manufacturer/type	Mitsubishi S6S-T	Kubota V3800-CR-TE5CB-HYM-1	Kubota WG3800-L-C	
		7.2	Engine power according to DIN ISO 1585	Kw	63.9	55.4	63.2
7.3		Rated speed	min-1	2300	2200	2400	
7.4		Number of cylinders/displacement	-/cm3	6/4996	4/3769		
7.5		Fuel consumption according to VDI cycle	l/h or kg/h	11.37 l/h / 9.55 kg/h	TBC		
7.6		Turnover output	t/h	320 t/h	TBC		
7.7		Energy consumption at turnover output	l/h or kg/h	11.39 l/h / 9.56 kg/h	TBC		
7.8		Generator	A	50	100		
7.9		Vehicle electrical system voltage	V	24	12		
7.10		Battery voltage/nominal capacity	V/Ah	2-12/90	12/120		
ADDITIONAL DATA	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	Fuel tank capacity	L	140			
	10.7	Sound pressure level at the driver's seat	dB (A)	86	81.4	83	
	10.7.1	Sound power level during the workcycle	dB (A)	107.2	98.3	102	
10.8	Towing coupling, type DIN		PIN				



# H6.OUT6 SPECIFICATIONS

DISTINGUISHING MARK	1.1	Manufacturer		Hyster			
	1.2	Model designation		H6.OUT6			
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		Diesel	Diesel Stage V	LPG	
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seat			
	1.5	Rated capacity/rated load	(kg)	6000			
	1.6	Load centre distance	(mm)	600			
	1.8	Load distance, centre of drive axle to fork	(mm)	590			
	1.9	Wheelbase (with mast vertical)	(mm)	2300			
	WEIGHT	2.1	Service weight	(kg)	9010		
2.2		Axle loading, laden front/rear	(kg)	13450/1560			
2.3		Axle loading, unladen front/rear	(kg)	4380/4630			
TYRES, CHASSIS	3.1	Tyres: Solid rubber, superelastic, pneumatic, polyurethane		Pneumatic			
	3.2	Tyre size, front		8.25-15-14PR			
	3.3	Tyre size, rear		8.25-15-14PR			
	3.5	Wheels, number front/rear		4x2			
	3.6	Tread, front	(mm)	1489			
	3.7	Tread, rear	(mm)	1700			
	DIMENSIONS	4.1	Tilt of mast/fork carriage, forward /backward	$\alpha / \beta$ (°)	10/12		
4.2		Height, mast lowered	(mm)	2500			
4.3		Free lift	(mm)	205			
4.4		Lift	(mm)	3000			
4.5		Height, mast extended	(mm)	4425			
4.7		Height of overhead guard (cabin)	(mm)	2450			
4.8		Seat height/stand height	(mm)	1400			
4.12		Towing coupling height	(mm)	345			
4.19		Overall length	(mm)	4785			
4.20		Length to face of forks	(mm)	3565			
4.21		Overall width, std/dual	(mm)	2020			
4.22		Fork dimensions ISO2331	(mm)	65/150/1220			
4.23		Fork carriage ISO 2328. Class/type, A/B		ISO 4A			
4.24		Fork carriage width	(mm)	1845			
4.31		Ground clearance, laden, below mast	(mm)	200			
4.32		Ground clearance, centre of wheelbase	(mm)	230			
4.33		Load dimension b 12*/6 crossways		1000x1000			
4.34		Aisle width with predetermined load dimensions	(mm)	5310			
4.34.1		Aisle width with pallets 1000 mm x 1200 mm crossways	(mm)	5310			
4.34.2		Aisle width with pallets 800 mm x 1200 mm crossways	(mm)	5310			
4.35	Turning radius	(mm)	3300				
4.36	Internal turning radius	b13	1105				
PERFORMANCE DATA	5.1	Travel speed, laden/unladen	km/h	Shift 2: 29/30 Shift 1: 9.5/9.5	Shift 2: 24/25 Shift 1: 9/9	Shift 2: 30/31 Shift 1: 9/9	
	5.1.1	Travel speed, laden/unladen, backwards	km/h	Shift 2: 29/30 Shift 1: 9.5/9.5	Shift 2: 24/25 Shift 1: 9/9	Shift 2: 30/31 Shift 1: 9/9	
	5.2	Lifting speed, laden/unladen	mm/s	430/460			
	5.3	Lowering speed laden/unladen	mm/s	500/400			
	5.6	Max. drawbar pull laden/unladen	N	65000/37000	61000/36000	66000/41000	
	5.7	Gradeability, laden/unladen	%	30/20	26/20	20/20	
	5.9	Acceleration time, laden/unladen	sec	With load: 6.27(S1)/6.45(S2) Without load: 5.63(S1)/5.03(S2)			
	5.10	Service brake		Hydraulic			
	COMBUSTION-ENGINE	7.1	Engine manufacturer/type		Mitsubishi S6S-T	Kubota V3800-CR-TE5CB-HYM-1	Kubota WG3800-L-C
		7.2	Engine power according to DIN ISO 1585	Kw	63.9	55.4	63.2
7.3		Rated speed	min-1	2300	2200	2400	
7.4		Number of cylinders/displacement	-/cm3	6/4996	4/3769		
7.5		Fuel consumption according to VDI cycle	l/h or kg/h	11.74 l/h / 9.85 kg/h	TBC		
7.6		Turnover output	t/h	380 t/h	TBC		
7.7		Energy consumption at turnover output	l/h or kg/h	11.75 l/h / 9.86 kg/h	TBC		
7.8		Generator	A	50	100		
7.9		Vehicle electrical system voltage	V	24	12		
7.10		Battery voltage/nominal capacity	V/Ah	2-12/90	12/120		
ADDITIONAL DATA	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	Fuel tank capacity	L	140			
	10.7	Sound pressure level at the driver's seat	dB (A)	86	81.4	83	
	10.7.1	Sound power level during the workcycle	dB (A)	107.2	98.3	102	
	10.8	Towing coupling, type DIN		PIN			

# H7.OUT6 SPECIFICATIONS

DISTINGUISHING MARK	1.1	Manufacturer	Hyster			
	1.2	Model designation	H7.OUT6			
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas	Diesel	Diesel Stage V	LPG	
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker	Seat			
	1.5	Rated capacity/rated load	(kg)	7000		
	1.6	Load centre distance	(mm)	600		
WEIGHT	1.8	Load distance, centre of drive axle to fork	(mm)	590		
	1.9	Wheelbase (with mast vertical)	(mm)	2300		
	2.1	Service weight	(kg)	9650		
	2.2	Axle loading, laden front/rear	(kg)	14900/1750		
	2.3	Axle loading, unladen front/rear	(kg)	4050/5600		
	TYRES, CHASSIS	3.1	Tyres: Solid rubber, superelastic, pneumatic, polyurethane	Pneumatic		
3.2		Tyre size, front	8.25-15-14PR			
3.3		Tyre size, rear	8.25-15-14PR			
3.5		wheels, number front/rear	4x2			
3.6		Tread, front	(mm)	1489		
3.7		Tread, rear	(mm)	1700		
DIMENSIONS		4.1	Tilt of mast/fork carriage, forward /backward	$\alpha / \beta$ (°)	10/12	
	4.2	Height, mast lowered	(mm)	2625		
	4.3	Free lift	(mm)	205		
	4.4	Lift	(mm)	3000		
	4.5	Height, mast extended	(mm)	4425		
	4.7	Height of overhead guard (cabin)	(mm)	2450		
	4.8	Seat height/stand height	(mm)	1400		
	4.12	Towing coupling height	(mm)	345		
	4.19	Overall length	(mm)	4830		
	4.20	Length to face of forks	(mm)	3610		
	4.21	Overall width, std/dual	(mm)	2020		
	4.22	Fork dimensions ISO2331	(mm)	65/150/1220		
	4.23	Fork carriage ISO 2328. Class/type, A/B		ISO 4A		
	4.24	Fork carriage width	(mm)	1845		
	4.31	Ground clearance, laden, below mast	(mm)	200		
	4.32	Ground clearance, centre of wheelbase	(mm)	230		
	4.33	Load dimension b 12*/6 crossways		1000x1000		
	4.34	Aisle width with predetermined load dimensions	(mm)	5370		
	PERFORMANCE DATA	4.34.1	Aisle width with pallets 1000 mm x 1200 mm crossways	(mm)	5370	
		4.34.2	Aisle width with pallets 800 mm x 1200 mm crossways	(mm)	5370	
4.35		Turning radius	(mm)	3360		
4.36		Internal turning radius	b13	1105		
5.1		Travel speed, laden/unladen	km/h	Shift 2: 29/30 Shift 1: 9.5/9.5	Shift 2: 24/25 Shift 1: 9/9	Shift 2: 30/31 Shift 1: 9/9
5.1.1		Travel speed, laden/unladen, backwards	km/h	Shift 2: 29/30 Shift 1: 9.5/9.5	Shift 2: 24/25 Shift 1: 9/9	Shift 2: 30/31 Shift 1: 9/9
5.2	Lifting speed, laden/unladen	mm/s	430/460			
5.3	Lowering speed laden/unladen	mm/s	500/400			
5.6	Max. drawbar pull laden/unladen	N	65000/37000	61000/36000	66000/41000	
5.7	Gradeability, laden/unladen	%	30/20	23/20	20/20	
5.9	Acceleration time, laden/unladen	sec	With load: 6.47(S1)/6.65(S2) Without load: 5.83(S1)/5.23(S2)	With load: 6.47(S1)/6.17(S2) Without load: 5.83(S1)/5.23(S2)	With load: 6.86(S1)/4.9(S2) Without load: 6.7(S1)/5.0(S2)	
5.10	Service brake		Hydraulic			
COMBUSTION-ENGINE	7.1	Engine manufacturer/type	Mitsubishi S6S-T	Kubota V3800-CR-TE5CB-HYM-1	Kubota WG3800-L-C	
	7.2	Engine power according to DIN ISO 1585	Kw	63.9	55.4	63.2
	7.3	Rated speed	min-1	2300	2200	2400
	7.4	Number of cylinders/displacement	-/cm3	6/4996	4/3769	
	7.5	Fuel consumption according to VDI cycle	l/h or kg/h	12.16 l/h / 10.2 kg/h	9.97 l/h / 8.36 kg/h	6.3 kg/h
	7.6	Turnover output	t/h	435t/h	442 t/h	420 t/h
	7.7	Energy consumption at turnover output	l/h or kg/h	12.47 l/h / 10.46 kg/h	Waiting for the test	
	7.8	Generator	A	50	100	
	7.9	Vehicle electrical system voltage	V	24	12	
	7.10	Battery voltage/nominal capacity	V/Ah	2-12/90	12/120	
ADDITIONAL DATA	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	Fuel tank capacity	L	140		
	10.7	Sound pressure level at the driver's seat	dB (A)	86	81.4	83
	10.7.1	Sound power level during the workcycle	dB (A)	107.2	98.3	102
10.8	Towing coupling, type DIN		PIN			

# MAST AND CAPACITY INFORMATION

Mast type	Max. fork lift	Overall extended height						Free lift		Load distance	Mast tilt		Capacity 600mm load centre Front dual tyre		
		Lowered height		Without load backrest		With load backrest		Without load backrest	With load backrest		F	B	5.0T	6.0T	7.0T
		5.0-6.0T	7.0T	5.0-6.0T	7.0T	5.0-6.0T	7.0T	5.0-7.0T	5.0-7.0T						
		mm	mm	mm	mm	mm	mm	mm	mm		mm	(o)	(o)	kg	kg
2-stage LFL	3000	2500	2625	3900	4000	4370	4370	205	205	590	10	12	5000	6000	7000
	3300	2650	2775	4200	4300	4670	4670	205	205	590	10	12	5000	6000	7000
	3500	2750	2875	4400	4500	4870	4870	205	205	590	10	12	5000	6000	7000
	3750	2875	3000	4650	4750	5120	5120	205	205	590	10	12	5000	6000	7000
	4000	3050	3175	4900	5000	5370	5370	205	205	590	10	12	5000	6000	7000
	4250	3175	3300	5150	5250	5620	5620	205	205	590	6	6	5000	6000	7000
	4500	3300	3425	5475	5600	5925	5925	205	205	590	6	6	5000	6000	7000
	4750	3425	3550	5650	5750	6120	6120	205	205	590	6	6	5000	6000	7000
	5000	3550	3675	5900	6000	6370	6370	205	205	590	6	6	5000	6000	7000
	5500	3850	3975	6400	6500	6870	6870	205	205	590	3	6	4750	5700	6600
6000	4100	4225	6900	7000	7370	7370	205	205	590	3	6	4400	5400	6400	
2-stage FFL	3000	2625	2625	4050	4050	4370	4370	1555	1255	600	10	12	5000	6000	7000
	3300	2775	2775	4350	4350	4670	4670	1705	1405	600	10	12	5000	6000	7000
	3500	2875	2875	4550	4550	4870	4870	1805	1505	600	10	12	5000	6000	7000
	3750	3000	3000	4800	4800	5120	5120	1930	1630	600	10	12	5000	6000	7000
	4000	3175	3175	5050	5050	5370	5370	2105	1805	600	10	12	5000	6000	7000
3-stage FFL	4000	2505	2505	5000	5000	5420	5420	1395	1130	635	6	6	4500	5500	6400
	4350	2630	2630	5350	5350	5720	5720	1520	1255	635	6	6	4500	5500	6400
	4500	2680	2680	5500	5500	5920	5920	1570	1305	635	6	6	4500	5500	6400
	4800	2780	2780	5800	5800	6170	6170	1670	1405	635	6	6	4500	5500	6300
	5000	2880	2880	6000	6000	6370	6370	1770	1505	635	6	6	4500	5500	6300
	5400	3005	3005	6400	6400	6770	6770	1895	1630	635	3	6	4300	5300	6100
	6000	3305	3305	7000	7000	7370	7370	2196	1930	635	3	6	4000	5000	5500
6500	3530	3530	7500	7500	7920	7920	2420	2155	635	3	6	3500	4200	4700	

Capacities are with standard carriage.

ENGINE SPECIFICATION	MITSUBISHI 5.0L, DIESEL	KUBOTA 3.8L LPG	KUBOTA 3.8L DIESEL
	6 Cylinder overhead valve	4 Cylinder overhead valve	4 Cylinder overhead valve
	Displacement 4.996 litre	Displacement 3.769 litre	Displacement 3.769 litre
	Torque 293Nm @ 1,700rpm	Torque 300Nm @ 1,200rpm	Torque 308Nm @ 1,500rpm
	Power 63.9kW @ 2,300rpm	Power 63.2kW @ 2,400rpm	Power 55.4kW @ 2,200rpm
	Air filtration two-stage, dry type	Air filtration two-stage, dry type	Air filtration two-stage, dry type
	IDI fuel injection system		

**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.  
 All values are nominal values and they are subject to tolerances.  
 For further information, please contact the manufacturer.  
 Hyster products are subject to change without notice.  
 Lift trucks illustrated may feature optional equipment.  
 Values may vary with alternative configurations.

# HYSTER® DEALERS



Contact your nearest Hyster®  
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## HYSTER PACIFIC

1/23 Rowood Road, Prospect NSW 2145  
Tel: +61 (2) 9795 3800 Fax: +61 (2) 9792 8484

## HYSTER ASIA

16 Tuas Avenue 20, Singapore 638827  
Tel: +65 6863 3387 Fax: +65 6863 3349

