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**INTERNAL COMBUSTION
COUNTERBALANCED FORKLIFT
PRODUCT BROCHURE**

H110-155UT



THE POWER TO MOVE AHEAD

The Hyster® H110-155UT is part of the UT Series that is designed to help industrial businesses everywhere reduce costs and get the job done. When matched with the right application, you can rely on these tough UT forklifts to stack, load and move goods within your operation every day, shift after shift. Plus, just like all Hyster trucks, the UT Series models, including the H110-155UT, are backed by our highly experienced authorized dealer network so they are easy to service and maintain with readily available parts and a fully backed warranty. Stay in control with a lift truck that has the strength and performance you can depend on from Hyster.

Get the strength you'd expect from Hyster with a low total cost of ownership with the UT Series.



OVERVIEW

The H110-155UT was engineered for operations looking for a reliable, cost-effective solution to get the job done — all backed by the trusted Hyster name.

THE RANGE

The range consists of 11,000-15,500 lb IC counterbalance, pneumatic tire forklift trucks, available in three different capacities (lift and load center):

11,000LB – H110UT

13,500LB – H135UT

15,500LB – H155UT

Each model is available with diesel and LPG Kubota 3.8L engine options, 2-speed forward/2-speed 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 the needs of available to help configure the truck appropriately to meet 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 center of gravity

COMFORT

- Hyster special display with 3.5" LCD
- Large foot room on floor plate
- Hand parking brake lever with button
- 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 such as engine cover, instrument panel, display and other components with other capacities in the same range.

ENVIRONMENTAL PROTECTION

- Noise isolation material
- Environmentally-aware design

DESIGNED AROUND THE OPERATOR

The design of the H110-155UT has been engineered with the operator in mind. The ergonomically designed compartment provides a natural and comfortable environment to help reduce fatigue throughout the shift. A range of standard features and options help to configure the truck to the needs of the application.

1 HIGH-STRENGTH OHG

The overhead guard features profiled steel to enhance operator protection.

3 LOW STEP HEIGHT

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

5 SMALL STEERING WHEEL

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

2 FULL-SUSPENSION SEAT

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

4 WIDE-VIEW MAST

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

6 INDUSTRIAL ENGINE

The UT Kubota 3.8L diesel and LPG engine provides reliability and ease for sourcing replacement parts.



H110-155UT FEATURES



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



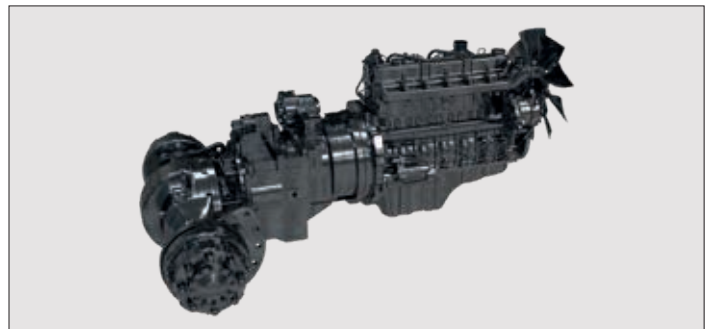
HAND PARKING BRAKE

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



SPACIOUS FOOTWELL

- Spacious foot room design provides comfort, and convenience
- 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 two reverse
- Durable and long life drive axle



LARGE ACCESS AREA FOR SERVICE AND REPAIRS

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



SUSPENSION SEAT

- Optional full-suspension seat offers excellent comfort
- Operator presence system as standard

H110-155UT FEATURES



SMALL DIAMETER STEERING WHEEL WITH ADJUSTABLE STEER COLUMN

- The 11.8" (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 enhances reliability and operator protection



GOOD THROUGH-MAST VISIBILITY

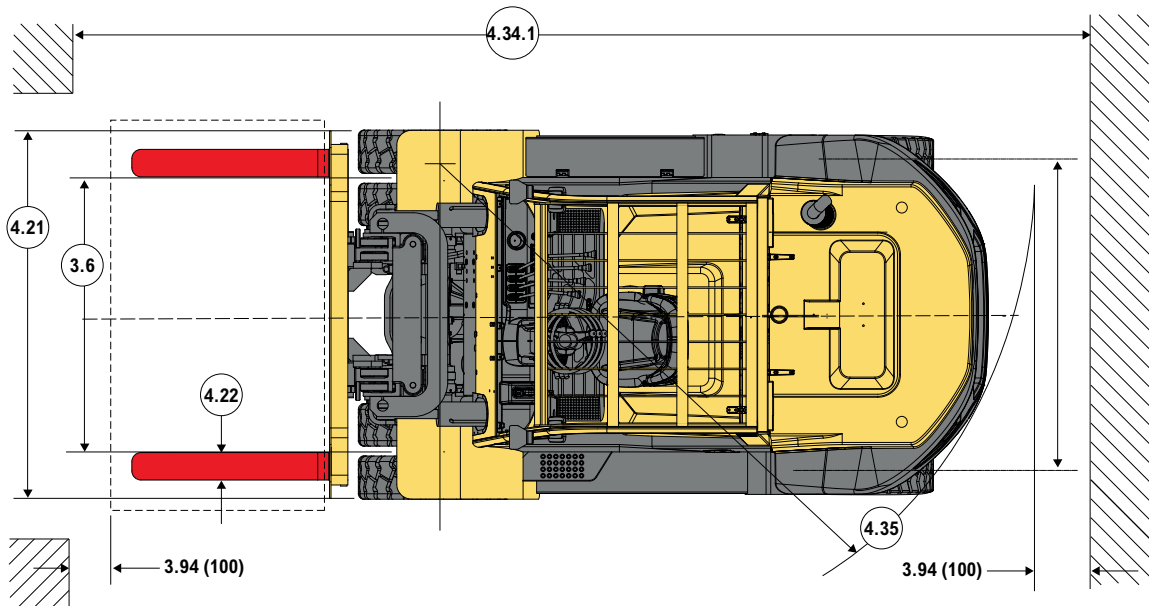
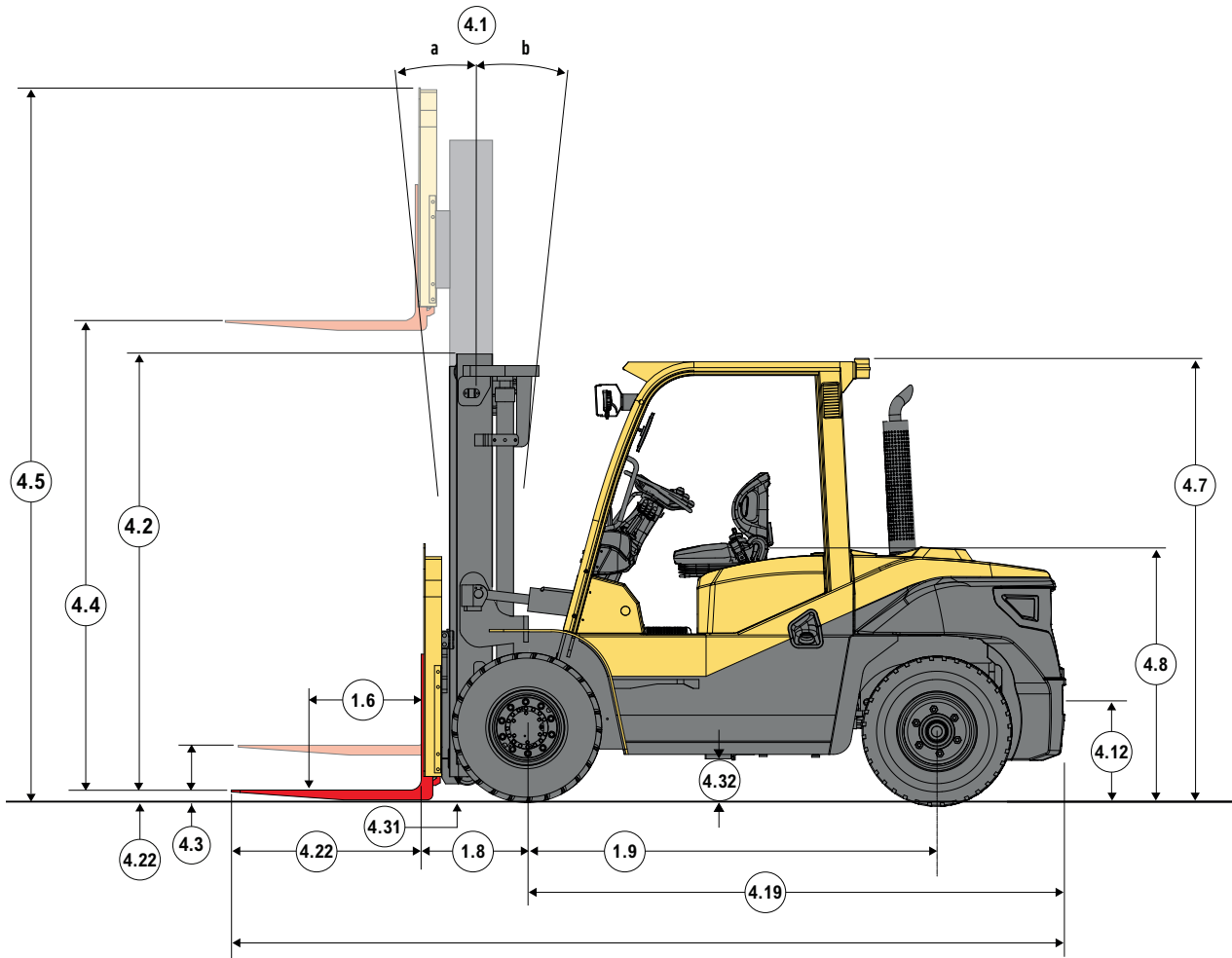
- The wide-view mast delivers excellent visibility of the load and operator's forward field of view. This optimizes comfort and promotes safe and productive operation.
- Mast composite roller structure



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

H110-155UT DIMENSIONS



H110UT | H135UT SPECIFICATIONS

GENERAL	1.1	Manufacturer		Hyster		Hyster		
	1.2	Model designation		H110UT		H135UT		
GENERAL	1.3	Engine		Kubota 3.8L	Kubota 3.8L	Kubota 3.8L	Kubota 3.8L	
	1.4	Drive		Diesel	LPG	Diesel	LPG	
GENERAL	1.4	Operator type		Seat		Seat		
	1.5	Rated capacity/rated load		11000 (4989.5)		13500 (6000)		
GENERAL	1.6	Load center distance		24 (600)		24 (600)		
	1.8	Load distance, center of drive axle to fork		23.2 (590)		23.2 (590)		
GENERAL	1.9	Wheelbase (with mast vertical)		90.6 (2300)		90.6 (2300)		
	2.1	Service weight		18430.7 (8360)		19863.7 (9010)		
WEIGHT	2.2	Axle loading, RL front/rear		26653.9/2799.9 (12090/1270)		29652.2/3439.2 (13450/1560)		
	2.3	Axle loading, NL front/rear		8465.8/9964.9 (3840/4520)		9656.2/10207.4 (4380/4630)		
TIRES/CHASSIS	3.1	Tire type		Pneumatic		Pneumatic		
	3.2	Tire size, front		8.25-15-14PR		8.25-15-14PR		
TIRES/CHASSIS	3.3	Tire size, rear		8.25-15-14PR		8.25-15-14PR		
	3.5	Wheels, number front/rear		4x2		4x2		
TIRES/CHASSIS	3.6	Tread, front		58.6 (1489)		58.6 (1489)		
	3.7	Tread, rear		66.9 (1700)		66.9 (1700)		
DIMENSIONS	4.1	Tilt of mast/fork carriage, forward /backward		10/12		10/12		
	4.2	Height, mast lowered		98.4 (2500)		98.4 (2500)		
DIMENSIONS	4.3	Free lift		8.1 (205)		8.1 (205)		
	4.4	Lift		118.1 (3000)		118.1 (3000)		
DIMENSIONS	4.5	Height, mast extended		174.2 (4425)		174.2 (4425)		
	4.7	Height of overhead guard		96.5 (2450)		96.5 (2450)		
DIMENSIONS	4.8	Seat height/stand height		55.1 (1400)		55.1 (1400)		
	4.12	Towing coupling height		13.6 (345)		13.6 (345)		
DIMENSIONS	4.19	Overall length		185.6 (4715)		185.6 (4715)		
	4.20	Length to face of forks		137.6 (3495)		137.6 (3495)		
DIMENSIONS	4.21	Overall width		79.5 (2020)		79.5 (2020)		
	4.22	Fork dimensions ISO2331		2.6x5.9x48 (65x150x1220)		2.6x5.9x48 (65x150x1220)		
DIMENSIONS	4.23	Fork carriage ISO 2328. Class/type, A/B		ISO 4A		ISO 4A		
	4.24	Fork carriage width		72.6 (1845)		72.6 (1845)		
DIMENSIONS	4.31	Ground clearance, laden, below mast		7.9 (200)		7.9 (200)		
	4.32	Ground clearance, centre of wheelbase		9.1 (230)		9.1 (230)		
DIMENSIONS	4.34.1	Aisle width with pallets 40" x 48"		207 (5260)		209.1 (5310)		
	4.35	Turning radius		128 (3250)		129.9 (3300)		
DIMENSIONS	4.36	Internal turning radius		43.5 (1105)		43.5 (1105)		
	5.1	Travel speed, RL/NL		1-speed	5.6/5.6 (9/9)		5.6/5.6 (9/9)	
PERFORMANCE	5.1.1	Travel speed, RL/NL, reverse		2-speed	14.9/15.5 (24/25) 18.6/19.3 (30/31)		14.9/15.5 (24/25) 18.6/19.3 (30/31)	
		1-speed	5.6/5.6 (9/9)		5.6/5.6 (9/9)			
PERFORMANCE	5.2	Lifting speed, RL/NL		2-speed	14.9/15.5 (24/25) 18.6/19.3 (30/31)		14.9/15.5 (24/25) 18.6/19.3 (30/31)	
		fpm (mm/s)	68.9/86.6 (350/440) 86.6/90.6 (440/460)		68.9/86.6 (350/440) 86.6/90.6 (440/460)			
PERFORMANCE	5.3	Lowering speed RL/NL		500/400		500/400		
	5.6	Max. drawbar RL/NL		lbf (N)	13713.3/8093.1 (61000/36000) 14837.4/9217.2 (66000/41000)		13713.3/8093.1 (61000/36000) 14837.4/9217.2 (66000/41000)	
PERFORMANCE	5.7	Gradeability, RL/NL @ 3mph (4.8 km/h)		%		26/20 28/20 22/20 24/20		
	5.10	Service brake		Hydraulic		Hydraulic		
ENGINE	7.1	Engine manufacturer/type		Kubota 3.8L		Kubota 3.8L		
	7.2	Engine power according to DIN ISO 1585		hp (Kw)	73.2 (54.6) 79.4 (59.2)		73.2 (54.6) 79.4 (59.2)	
ENGINE	7.3	Rated speed		min-1		2200 2400 2200 2400		
	7.4	Number of cylinders/displacement		-/cm3		4/3769 4/3769		
OTHER	10.1	Operating pressure for attachments		PSI (bar)		2828.2 (195) 2828.2 (195)		
	10.2	Oil volume for attachments		gal/min (l/min)		21.1 (80) 21.1 (80)		
OTHER	10.4	Fuel tank capacity (gas & diesel only)		gal (L)		37 (140) N/A 37 (140) N/A		
	10.7	Sound pressure level at the driver's seat		dB (A)		83 83		
OTHER	10.8	Towing coupling, type DIN		PIN		PIN		

H155UT SPECIFICATIONS

GENERAL	1.1	Manufacturer		Hyster	
	1.2	Model designation		H155UT	
		Engine		Kubota 3.8L	
	1.3	Drive		Diesel	
	1.4	Operator type		Seat	
	1.5	Rated capacity/rated load	lb (kg)	15500 (7000)	
	1.6	Load center distance	in (mm)	24 (600)	
	1.8	Load distance, center of drive axle to fork	in (mm)	23.2 (590)	
	1.9	Wheelbase (with mast vertical)	in (mm)	90.6 (2300)	
WEIGHT	2.1	Service weight	lb (kg)	21274.6 (9650)	
	2.2	Axle loading, RL front/rear	lb (kg)	32848.8/3858.1 (14900/1750)	
	2.3	Axle loading, NL front/rear	lb (kg)	8928.7/12345.9 (4050/5600)	
TIRES/CHASSIS	3.1	Tire type		Pneumatic	
	3.2	Tire size, front		8.25-15-14PR	
	3.3	Tire size, rear		8.25-15-14PR	
	3.5	Wheels, number front/rear		4x2	
	3.6	Tread, front	in (mm)	58.6 (1489)	
	3.7	Tread, rear	in (mm)	66.9 (1700)	
	DIMENSIONS	4.1	Tilt of mast/fork carriage, forward /backward	degrees	10/12
4.2		Height, mast lowered	in (mm)	103.3 (2625)	
4.3		Free lift	in (mm)	8.1 (205)	
4.4		Lift	in (mm)	118.1 (3000)	
4.5		Height, mast extended	in (mm)	174.2 (4425)	
4.7		Height of overhead guard	in (mm)	96.5 (2450)	
4.8		Seat height/stand height	in (mm)	55.1 (1400)	
4.12		Towing coupling height	in (mm)	13.6 (345)	
4.19		Overall length	in (mm)	190.2 (4830)	
4.20		Length to face of forks	in (mm)	142.1 (3610)	
4.21		Overall width	in (mm)	79.5 (2020)	
4.22		Fork dimensions ISO2331	in (mm)	2.6x5.9x48 (65x150x1220)	
4.23		Fork carriage ISO 2328. Class/type, A/B		ISO 4A	
4.24		Fork carriage width	in (mm)	72.6 (1845)	
4.31		Ground clearance, laden, below mast	in (mm)	7.9 (200)	
4.32		Ground clearance, centre of wheelbase	in (mm)	9.1 (230)	
4.34.1		Aisle width with pallets 40" x 48"	in (mm)	211.4 (5370)	
4.35	Turning radius	in (mm)	132.3 (3360)		
4.36	Internal turning radius	in (mm)	43.5 (1105)		
PERFORMANCE	5.1	Travel speed, RL/NL	1-speed	mph (km/h)	5.6/5.6 (9/9)
			2-speed	mph (km/h)	14.9/15.5 (24/25)
	5.1.1	Travel speed, RL/NL, reverse	1-speed	mph (km/h)	5.6/5.6 (9/9)
			2-speed	mph (km/h)	14.9/15.5 (24/25)
	5.2	Lifting speed, RL/NL		fpm (mm/s)	68.9/86.6 (350/440)
	5.3	Lowering speed RL/NL		fpm (mm/s)	500/400
	5.6	Max. drawbar RL/NL		lbf (N)	13713.3/8093.1 (61000/36000)
5.7	Gradeability, RL/NL @ 3mph (4.8 km/h)		%	20/20	
5.10	Service brake			Hydraulic	
ENGINE	7.1	Engine manufacturer/type		Kubota 3.8L	
	7.2	Engine power according to DIN ISO 1585	hp (Kw)	73.2 (54.6)	
	7.3	Rated speed	min-1	2200	
OTHER	7.4	Number of cylinders/displacement	-/cm3	4/3769	
	10.1	Operating pressure for attachments	PSI (bar)	2828.2 (195)	
	10.2	Oil volume for attachments	gal/min (l/min)	21.1 (80)	
	10.4	Fuel tank capacity (gas & diesel only)	gal (L)	37 (140)	
	10.7	Sound pressure level at the driver's seat	dB (A)	83	
10.8	Towing coupling, type DIN			PIN	

MAST AND CAPACITY INFORMATION

MAST TYPE	MAX FORK HEIGHT		MAST TILT		LOWERED HEIGHT				OVERALL EXTENDED HEIGHT								FREE LIFT			
			FWD	BACK	11,000-13,500 LB		15,500 LB		WITHOUT LOAD BACKREST				WITH LOAD BACKREST				11,000-13,500 LB		15,500 LB	
	in	mm	degrees	degrees	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
2-STAGE LFL	118.1	3000	10	12	98.4	2500	103.3	2625	153.5	3900	157.5	4000	172.0	4370	172.0	4370	8.1	205	8.1	205
	129.9	3300	10	12	104.3	2650	109.3	2775	165.4	4200	169.3	4300	183.9	4670	183.9	4670	8.1	205	8.1	205
	137.8	3500	10	12	108.3	2750	113.2	2875	173.2	4400	177.2	4500	191.7	4870	191.7	4870	8.1	205	8.1	205
	147.6	3750	10	12	113.2	2875	118.1	3000	183.1	4650	187.0	4750	201.6	5120	201.6	5120	8.1	205	8.1	205
	157.5	4000	10	12	120.1	3050	125.0	3175	192.9	4900	196.9	5000	211.4	5370	211.4	5370	8.1	205	8.1	205
	167.3	4250	6	6	125.0	3175	129.9	3300	202.8	5150	206.7	5250	221.3	5620	221.3	5620	8.1	205	8.1	205
	177.2	4500	6	6	129.9	3300	134.8	3425	215.6	5475	220.5	5600	233.3	5925	233.3	5925	8.1	205	8.1	205
	187.0	4750	6	6	134.8	3425	139.8	3550	222.4	5650	226.4	5750	240.9	6120	240.9	6120	8.1	205	8.1	205
	196.9	5000	6	6	139.8	3550	144.7	3675	232.3	5900	236.2	6000	250.8	6370	250.8	6370	8.1	205	8.1	205
	216.5	5500	3	6	151.6	3850	156.5	3975	252.0	6400	255.9	6500	270.5	6870	270.5	6870	8.1	205	8.1	205
236.2	6000	3	6	161.4	4100	166.3	4225	271.7	6900	275.6	7000	290.2	7370	290.2	7370	8.1	205	8.1	205	
2-STAGE FFL	118.1	3000	10	12	103.3	2625	103.3	2625	159.4	4050	159.4	4050	172.0	4370	172.0	4370	61.2	1555	49.4	1255
	129.9	3300	10	12	109.3	2775	109.3	2775	171.3	4350	171.3	4350	183.9	4670	183.9	4670	67.1	1705	55.3	1405
	137.8	3500	10	12	113.2	2875	113.2	2875	179.1	4550	179.1	4550	191.7	4870	191.7	4870	71.1	1805	59.3	1505
	147.6	3750	10	12	118.1	3000	118.1	3000	189.0	4800	189.0	4800	201.6	5120	201.6	5120	76.0	1930	64.2	1630
	157.5	4000	10	12	125.0	3175	125.0	3175	198.8	5050	198.8	5050	211.4	5370	211.4	5370	82.9	2105	71.1	1805
3-STAGE FFL	157.5	4000	6	6	98.6	2505	98.6	2505	196.9	5000	196.9	5000	213.4	5420	213.4	5420	54.9	1395	44.5	1130
	171.3	4350	6	6	103.5	2630	103.5	2630	210.6	5350	210.6	5350	225.2	5720	225.2	5720	59.8	1520	49.4	1255
	177.2	4500	6	6	105.5	2680	105.5	2680	216.5	5500	216.5	5500	233.1	5920	233.1	5920	61.8	1570	51.4	1305
	189.0	4800	6	6	109.4	2780	109.4	2780	228.3	5800	228.3	5800	242.9	6170	242.9	6170	65.7	1670	55.3	1405
	196.9	5000	6	6	113.4	2880	113.4	2880	236.2	6000	236.2	6000	250.8	6370	250.8	6370	69.7	1770	59.3	1505
	212.6	5400	3	6	118.3	3005	118.3	3005	252.0	6400	252.0	6400	266.5	6770	266.5	6770	74.6	1895	64.2	1630
	236.2	6000	3	6	130.1	3305	130.1	3305	275.6	7000	275.6	7000	290.2	7370	290.2	7370	86.5	2196	76.0	1930
255.9	6500	3	6	139.0	3530	139.0	3530	295.3	7500	295.3	7500	311.8	7920	311.8	7920	95.3	2420	84.8	2155	

Capacities are with standard carriage.


FEATURES AND OPTIONS

POWERTRAIN	STD	OPT
Kubota 3.8l EPA certified DOC diesel	x	
Kubota 3.8l EPA certified LPG		x
Powershift transmission 2-speed fwd / 2-speed rev	x	
Drum brakes	x	
Key switch start	x	
Standard environmental construction (14f to 104f)	x	
Cold environmental construction (-4f to 104f)		x
High air intake	x	
High air intake w/ pre-cleaner		x
Non-locking fuel cap	x	
Locking fuel cap		x
Overhead exhaust		x
Spark arrester		x
LPG tank bracket with dual straps		x
Operator presence system	x	
Battery disconnect		x
LIFT OPTIONS - FRONT END EQUIPMENT	STD	OPT
2-stage limited free lift mast	x	
2-stage full free lift mast		x
3-stage full free lift mast		x
73" Hook type carriage	x	
83" Hook type carriage		x
73" ISS		x
73" ISSFP		x
73" LDSJ HOSS		x
73" LDSJ HOSSFP		x
73" Cascade HOSS		x
Hook type standard taper forks	x	
51.5" Load backrest	x	
10° Fwd / 12° back mast tilt	x	
6° Fwd / 6° back mast tilt		x
3° Fwd / 6° back mast tilt		x
Tilt cylinder boots		x
LIFT OPTIONS - HYDRAULICS	STD	OPT
Manual hydraulic levers	x	
2 Function (0 auxiliary) hydraulics	x	
3 Function (1 auxiliary) hydraulics		x
4 Function (2 auxiliary) hydraulics		x
Clamping		x
Auxiliary function hose groups		x

CHASSIS - WHEELS & TIRES	STD	OPT
Dual tread		x
Pneumatic shape solid (PSS) tires	x	
Pneumatic tires		x
CHASSIS - OPERATOR COMPARTMENT	STD	OPT
96.5" Overhead guard	x	
PVC top screen		x
Front screen w/ wiper		x
Full steel cab w/ front and rear wipers		x
Front, top, and rear screens w/ front and rear wipers		x
Front and top screens with front washer/wiper		x
Air conditioning		x
Cab heater		x
Lever directional control	x	
MONOTROL® / FDC directional control		x
Steering wheel w/spinner knob	x	
Non-suspension vinyl seat	x	
Full-suspension vinyl seat		x
Black seat belt	x	
Seat belt w/ interlock		x
Seat belt w/ sequential interlock		x
CHASSIS - OPERATOR COMPARTMENT ACCESSORIES	STD	OPT
Rear grab handle w/ horn button		x
Dual side view mirrors		x
LIGHTS & ALARMS	STD	OPT
LED work lights		x
Rear lights package w/ turn signals		x
Strobe light		x
Audible reverse alarm		x
Park brake alarm	x	
Blue spot light		x



Hyster Company
P.O. Box 7006, Greenville, North Carolina 27835-7006

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