

H135FT SPECIFICATIONS

GENERAL	DIMENSIONS	PERFORMANCE	WT.	WHEELS & TIRES	TRANS. & POWER UNIT	H135FT			
						Hyster Company	Hyster Company	Hyster Company	Hyster Company
1	Manufacturer					Hyster Company	Hyster Company	Hyster Company	Hyster Company
2a	Model designation					H135FT	H135FT	H135FT	H135FT
2b	Power Train - Engine Transmission					GM 4.3L	GM 4.3L	GM 4.3L	GM 4.3L
2c	Transmission Type					Electronic Powershift	Electronic Powershift	DuraMatch™	DuraMatch™
3	Load capacity	lbs/kg				13,500 6,125	13,500 6,125	13,500 6,125	13,500 6,125
4	Load center	in/mm				24 610	24 610	24 610	24 610
5	Drive Power Type: Gas, Diesel, LPG					Gas	LP	Gas	LP
6	Operation: Seated rider					Seated Rider	Seated Rider	Seated Rider	Seated Rider
7	Step Height	in (mm)				12.6 (321)	12.6 (321)	12.6 (321)	12.6 (321)
8	Tires: P=pneumatic, C=cushion, SC=supercushion					Pneumatic	Pneumatic	Pneumatic	Pneumatic
9a	Number of wheels, front/rear (X = driven)					4X/2	4X/2	4X/2	4X/2
9b	Track width, front	in (mm)				72.7 (1846)	72.7 (1846)	72.7 (1846)	72.7 (1846)
9c	Track width, rear	in (mm)				60.5 (1536)	60.5 (1536)	60.5 (1536)	60.5 (1536)
10	Lift height, w/LBR (TOF) (Rounded Down)	in (mm)				212 (5400)	212 (5400)	212 (5400)	212 (5400)
11a	Standard Free lift height (Rounded Down)	in (mm)				6 (160)	6 (160)	6 (160)	6 (160)
11b	Optional Free lift w/LBR (TOF) (Rounded Down)	in (mm)				95 (2416)	95 (2416)	95 (2416)	95 (2416)
11c	Optional Free lift w/o LBR (TOF) (Rounded Down)	in (mm)				103 (2640)	103 (2640)	103 (2640)	103 (2640)
12	Fork carriage width Standard Carriage	in (mm)				78 (1981)	78 (1981)	78 (1981)	78 (1981)
13	Fork dimensions	in (mm)				6 X 2.5 X 48 (150 X 60 X 1219)	6 X 2.5 X 48 (150 X 60 X 1219)	6 X 2.5 X 48 (150 X 60 X 1219)	6 X 2.5 X 48 (150 X 60 X 1219)
14a	Fork Spacing - Std Carriage - Minimum Inside to inside edge	in (mm)				6.3 (160)	6.3 (160)	6.3 (160)	6.3 (160)
14b	Fork Spacing - Std Carriage - Maximum outside to outside edge	in (mm)				73.9 (1876)	73.9 (1876)	73.9 (1876)	73.9 (1876)
15	Mast tilt, forward / back	degrees				5F/10B	5F/10B	5F/10B	5F/10B
16	Overall length (length to face of forks)	in (mm)				141.9 (3604)	141.9 (3604)	141.9 (3604)	141.9 (3604)
17	Overall width	in (mm)				82.0 (2082)	82.0 (2082)	82.0 (2082)	82.0 (2082)
18	Height of Standard mast, lowered (Rounded Up)	in (mm)				148 (3740)	148 (3740)	148 (3740)	148 (3740)
19a	Height of mast, extended w/o load backrest (Rounded Up)	in (mm)				260 (6595)	260 (6595)	260 (6595)	260 (6595)
19b	Height of mast, extended w/ load backrest (Rounded Up)	in (mm)				266 (6754)	266 (6754)	266 (6754)	266 (6754)
20a	Height to top of Std. overhead guard (high) (Rounded Up)	in (mm)				100 (2531)	100 (2531)	100 (2531)	100 (2531)
20b	Height to top of Cab (Rounded Up)	in (mm)				101 (2549)	101 (2549)	101 (2549)	101 (2549)
21a	Outer turning radius	in (mm)				130.7 (3320)	130.7 (3320)	130.7 (3320)	130.7 (3320)
21b	Inner turning radius	in (mm)				9.1 (230)	9.1 (230)	9.1 (230)	9.1 (230)
22	Load distance (load face-ctr of wheel to face of forks - front overhang)	in (mm)				23.7 (601)	23.7 (601)	23.7 (601)	23.7 (601)
23a	Right angle stack with pallets (with pallet W=42in, L=48in)	in (mm)				202.4 (5140)	202.4 (5140)	202.4 (5140)	202.4 (5140)
23b	Right angle stack (add length of load)	in (mm)				154.4 (3921)	154.4 (3921)	154.4 (3921)	154.4 (3921)
24	90° intersecting aisle (with pallet W=42in, L=48in)	in (mm)				111.8 (2839)	111.8 (2839)	111.8 (2839)	111.8 (2839)
25	Travel speed	mph (km/hr)				13.6/14.0 (22.0/22.5)	13.6/14.0 (22.0/22.5)	15.6/15.9 (25.1/25.7)	15.6/15.9 (25.1/25.7)
26a	Lifting speed (2LFL)	ft/min (m/sec)				104/106 (.53/.54)	104/106 (.53/.54)	104/106 (.53/.54)	104/106 (.53/.54)
26b	Lifting speed (3FFL)	ft/min (m/sec)				100/102 (.51/.52)	100/102 (.51/.52)	100/102 (.51/.52)	100/102 (.51/.52)
27a	Lowering speed (2LFL)	ft/min (m/sec)				114/104 (.58/.53)	114/104 (.58/.53)	114/104 (.58/.53)	114/104 (.58/.53)
27b	Lowering speed (3FFL)	ft/min (m/sec)				104/81 (.53/.41)	104/81 (.53/.41)	104/81 (.53/.41)	104/81 (.53/.41)
28a	Maximum drawbar pull	lbs (kg)				9352/6070 (4242/2753)	9554/6115 (4334/2774)	10000/6115 (4536/2774)	10000/6115 (4536/2774)
28b	Drawbar pull @ 1.0 mph or 1.6 km/h	lbs (kg)				7778/6070 (3528/2753)	7981/6115 (3620/2774)	10000/6115 (4536/2774)	10000/6115 (4536/2774)
28c	Drawbar pull @ 3.0 mph or 4.8 km/h	lbs (kg)				4968/4878 (2254/2213)	5463/4878 (2478/2213)	6474/4878 (2937/2213)	6969/4878 (3161/2213)
29a	Gradeability max	%				29.1 31.9	29.7 31.9	31.2 31.9	31.2 31.9
29b	Gradeability @ 1.0 mph or 1.6 km/h	%				23.9 31.9	24.5 31.9	31.2 31.9	31.2 31.9
29c	Gradeability @ 3.0 mph or 4.8 km/h	%				15.7 27.6	17.3 27.6	20.7 27.6	22.4 27.6
31	Unladen weight (w/ std equipment: mast, carriage, forks, etc.)	lb (kg)				19830 (8983)	19830 (8983)	19830 (8983)	19830 (8983)
32a	Axle loading laden w/ std option configuration	lb (kg)				30400/2930 (13786/1329)	30400/2930 (13786/1329)	30400/2930 (13786/1329)	30400/2930 (13786/1329)
32b	Axle loading unladen w/ std option configuration	lb (kg)				9580/10250 (4345/4648)	9580/10250 (4345/4648)	9580/10250 (4345/4648)	9580/10250 (4345/4648)
33	Tire size-front					8.25 X 15 14PR	8.25 X 15 14PR	8.25 X 15 14PR	8.25 X 15 14PR
34	Tire size-rear					8.25 X 15 14PR	8.25 X 15 14PR	8.25 X 15 14PR	8.25 X 15 14PR
35	Wheelbase	in (mm)				88.0 (2235)	88.0 (2235)	88.0 (2235)	88.0 (2235)
37	Ground clearance under mast, laden	in (mm)				5.7 (146)	5.7 (146)	5.7 (146)	5.7 (146)
38	Ground clearance at center of wheelbase	in (mm)				10.0 (253)	10.0 (253)	10.0 (253)	10.0 (253)
39	Brakes Service - Method of Control/Operation					Hydraulic/ Foot	Hydraulic/ Foot	Hydraulic/ Foot	Hydraulic/ Foot
40	Brakes Park - Method of Control/Operation					Mechanical/ Hand	Mechanical/ Hand	Mechanical/ Hand	Mechanical/ Hand
41	Battery Type					Maintenance Free	Maintenance Free	Maintenance Free	Maintenance Free
42	Battery Volts/Cold Cranking Amps					12V / 475	12V / 475	12V / 475	12V / 475
43	Engine manufacturer/type					GM Gas	GM LP	GM Gas	GM LP
44	Engine output, in accordance with ISO1585	hp (kw)				98 (73) @2400 rpm	101 (75) @2400 rpm	94 (70) @2400 rpm	101 (75) @2400 rpm
45	Torque	ft/lb (N-m)				215 (295) @ 1800 rpm	220 (300) @2400 rpm	215 (295) @ 1800 rpm	220 (300) @2400 rpm
46	Number of cylinders/displacement	No./cc (ci)				V6/4302 (262)	V6/4302 (262)	V6/4302 (262)	V6/4302 (262)
47a	Gear change type					Elec. Controlled Powershift	Elec. Controlled Powershift	Elec. Controlled Powershift	Elec. Controlled Powershift
47b	Transmission: Number of speeds forward/reverse					2F/2R	2F/2R	3F/2R	3F/2R
49	Hydraulic Tank - capacity (drain & refill)	gal (liters)				18.7 (70.9)	18.7 (70.9)	18.7 (70.9)	18.7 (70.9)
50	Fuel Tank - Capacity (Gasoline- or Diesel-Powered Units Only)	gal (liters)				19.8 (74.8)	19.8 (74.8)	19.8 (74.8)	19.8 (74.8)
51	Working pressure for attachments	psi (bar)				2250 (155)	2250 (155)	2250 (155)	2250 (155)

CERTIFICATION: These Hyster lift trucks meet design specifications of Part II ANSI B56.1-1969, as required by OSHA Section 1910.178(a)(2) and also comply with Part III ANSI B56.1-revision in effect at time of manufacture. Certification of compliance with the applicable ANSI standards appears on the lift truck.

† **NOTE:** Performance specifications / ratings are for truck equipped as described under Standard Equipment in this Technical Guide. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature and condition of the operating area. Specifications are subject to change and the proposed application should be discussed with your authorized Hyster Company Dealer.

†† Limited by traction. For further information on this dimension, please contact your local Hyster dealer.

H135FT SPECIFICATIONS

GENERAL			Hyster Company		Hyster Company	
			H135FT		H135FT	
1	Manufacturer		Hyster Company		Hyster Company	
2a	Model designation		H135FT		H135FT	
2b	Power Train - Engine Transmission		Kubota 3.8L EPA Certified Tier 4 (i) Diesel		Kubota 3.8L EPA Certified Tier 4 (i) Diesel	
2c	Transmission Type		Electronic Powershift		DuraMatch™	
3	Load capacity	lbs/kg	13,500	6,125	13,500	6,125
4	Load center	in./mm	24	610	24	610
5	Drive Power Type: Gas, Diesel, LPG		Diesel		Diesel	
6	Operation: Seated rider		Seated Rider		Seated Rider	
7	Step Height	in (mm)	12.6 (321)		12.6 (321)	
8	Tires: P=pneumatic, C=cushion, SC=supercushion		Pneumatic		Pneumatic	
9a	Number of wheels, front/rear (X = driven)		4X/2		4X/2	
9b	Track width, front	in (mm)	72.7 (1846)		72.7 (1846)	
9c	Track width, rear	in (mm)	60.5 (1536)		60.5 (1536)	
10	Lift height, w/LBR (TOF) (Rounded Down)	in (mm)	212 (5400)		212 (5400)	
11a	Standard Free lift height (Rounded Down)	in (mm)	6 (160)		6 (160)	
11b	Optional Free lift w/LBR (TOF) (Rounded Down)	in (mm)	95 (2416)		95 (2416)	
11c	Optional Free lift w/o LBR (TOF) (Rounded Down)	in (mm)	103 (2640)		103 (2640)	
12	Fork carriage width Standard Carriage	in (mm)	78 (1981)		78 (1981)	
13	Fork dimensions	in (mm)	6 X 2.5 X 48 (150 X 60 X 1219)		6 X 2.5 X 48 (150 X 60 X 1219)	
14a	Fork Spacing - Std Carriage - Minimum inside to inside edge	in (mm)	6.3 (160)		6.3 (160)	
14b	Fork Spacing - Std Carriage - Maximum outside to outside edge	in (mm)	73.9 (1876)		73.9 (1876)	
15	Mast tilt, forward / back	degrees	5F/10B		5F/10B	
16	Overall length (length to face of forks)	in (mm)	141.9 (3604)		141.1 (3584)	
17	Overall width	in (mm)	82.0 (2082)		82.0 (2082)	
18	Height of Standard mast, lowered (Rounded Up)	in (mm)	148 (3740)		148 (3740)	
19a	Height of mast, extended w/o load backrest (Rounded Up)	in (mm)	260 (6595)		260 (6595)	
19b	Height of mast, extended w/ load backrest (Rounded Up)	in (mm)	266 (6754)		266 (6754)	
20a	Height to top of Std. overhead guard (high) (Rounded Up)	in (mm)	100 (2531)		100 (2531)	
20b	Height to top of Cab (Rounded Up)	in (mm)	101 (2549)		101 (2549)	
21a	Outer turning radius	in (mm)	130.7 (3320)		130.7 (3320)	
21b	Inner turning radius	in (mm)	9.1 (230)		9.1 (230)	
22	Load distance (load face-ctr of wheel to face of forks - front overhang)	in (mm)	23.7 (601)		23.7 (601)	
23a	Right angle stack with pallets (with pallet W=42in, L=48in)	in (mm)	202.4 (5140)		202.4 (5140)	
23b	Right angle stack (add length of load)	in (mm)	154.4 (3921)		154.4 (3921)	
24	90° intersecting aisle (with pallet W=42in, L=48in)	in (mm)	111.8 (2839)		111.8 (2839)	
25	Travel speed	mph (km/hr)	13.1/13.4 (21.1/21.6)		14.3/14.7 (23.0/23.7)	
26a	Lifting speed (2LFL)	ft/min (m/sec)	94/96 (.48/.49)		94/96 (.48/.49)	
26b	Lifting speed (3FFL)	ft/min (m/sec)	93/93 (.47/.47)		93/93 (.47/.47)	
27a	Lowering speed (2LFL)	ft/min (m/sec)	114/104 (.58/.53)		114/104 (.58/.53)	
27b	Lowering speed (3FFL)	ft/min (m/sec)	104/81 (.53/.41)		104/81 (.53/.41)	
28a	Maximum drawbar pull	lbs (kg)	11800/6058 (5352/2748)		10000/6058 (4536/2748)	
28b	Drawbar pull @ 1.0 mph or 1.6 km/h	lbs (kg)	9475/6058 (4298/2748)		10000/6058 (4536/2748)	
28c	Drawbar pull @ 3.0 mph or 4.8 km/h	lbs (kg)	5992/6058 (2718/2748)		6897/6058 (3128/2748)	
29a	Gradeability max	%	38.1	31.9	31.3	31.9
29b	Gradeability @ 1.0 mph or 1.6 km/h	%	29.9	31.9	31.3	31.9
29c	Gradeability @ 3.0 mph or 4.8 km/h	%	18.4	31.9	21.3	31.9
31	Unladen weight (w/ std equipment: mast, carriage, forks, etc.)	lb (kg)	19830 (8983)		19830 (8983)	
32a	Axle loading laden w/ std option configuration	lb (kg)	30400/2930 (13786/1329)		30400/2930 (13786/1329)	
32b	Axle loading unladen w/ std option configuration	lb (kg)	9580/10250 (4345/4648)		9580/10250 (4345/4648)	
33	Tire size-front		8.25 X 15 14PR		8.25 X 15 14PR	
34	Tire size-rear		8.25 X 15 14PR		8.25 X 15 14PR	
35	Wheelbase	in (mm)	88.0 (2235)		88.0 (2235)	
37	Ground clearance under mast, laden	in (mm)	5.7 (146)		5.7 (146)	
38	Ground clearance at center of wheelbase	in (mm)	10.0 (253)		10.0 (253)	
39	Brakes Service - Method of Control/Operation		Hydraulic/ Foot		Hydraulic/ Foot	
40	Brakes Park - Method of Control/Operation		Mechanical/ Hand		Mechanical/ Hand	
41	Battery Type		Maintenance Free		Maintenance Free	
42	Battery Volts/Cold Cranking Amps		12V / 1010		12V / 1010	
43	Engine manufacturer/type		Kubota 3.8L Turbodiesel		Kubota 3.8L Turbodiesel	
44	Engine output, in accordance with ISO1585	hp (kw)	94 (70) @ 2200 rpm		94 (70) @ 2200 rpm	
45	Torque	ft/lb (N-m)	246 (333) @ 1600 rpm		246 (333) @ 1600 rpm	
46	Number of cylinders/displacement	No./cc (ci)	I-4/3769 (230)		I-4/3769 (230)	
47a	Gear change type		Elec. Controlled Powershift		Elec. Controlled Powershift	
47b	Transmission: Number of speeds forward/reverse		2F / 2R		3F / 2R	
49	Hydraulic Tank - capacity (drain & refill)	gal (liters)	18.7 (70.9)		18.7 (70.9)	
50	Fuel Tank - Capacity (Gasoline- or Diesel-Powered Units Only)	gal (liters)	19.8 (74.8)		19.8 (74.8)	
51	Working pressure for attachments	psi (bar)	2250 (155)		2250 (155)	

GENERAL

DIMENSIONS

PERFORMANCE

WT.

WHEELS & TIRES

TRANS. & POWER UNIT

H155FT SPECIFICATIONS

GENERAL	DIMENSIONS	PERFORMANCE	WT.	WHEELS & TIRES	TRANS. & POWER UNIT	Hyster Company			
						H155FT	H155FT	H155FT	H155FT
1	Manufacturer					Hyster Company	Hyster Company	Hyster Company	Hyster Company
2a	Model designation					H155FT	H155FT	H155FT	H155FT
2b	Power Train - Engine Transmission					GM 4.3L	GM 4.3L	GM 4.3L	GM 4.3L
2c	Transmission Type					Electronic Powershift	Electronic Powershift	DuraMatch™	DuraMatch™
3	Load capacity	lbs/kg				15,500 / 7,030	15,500 / 7,030	15,500 / 7,030	15,500 / 7,030
4	Load center	in./mm				24 / 610	24 / 610	24 / 610	24 / 610
5	Drive Power Type: Gas, Diesel, LPG					Gas	LP	Gas	LP
6	Operation: Seated rider					Seated Rider	Seated Rider	Seated Rider	Seated Rider
7	Step Height	in (mm)				12.6 (321)	12.6 (321)	12.6 (321)	12.6 (321)
8	Tires: P=pneumatic, C=cushion, SC=super-cushion					Pneumatic	Pneumatic	P	P
9a	Number of wheels, front/rear (X = driven)					4X / 2	4X / 2	4X / 2	4X / 2
9b	Track width, front	in (mm)				72.7 (1846)	72.7 (1846)	72.7 (1846)	72.7 (1846)
9c	Track width, rear	in (mm)				60.5 (1536)	60.5 (1536)	60.5 (1536)	60.5 (1536)
10	Lift height, w/LBR (TOF) (Rounded Down)	in (mm)				212 (5400)	212 (5400)	212 (5400)	212 (5400)
11a	Standard Free lift height (Rounded Down)	in (mm)				6 (160)	6 (160)	6 (160)	6 (160)
11b	Optional Free lift w/LBR (TOF) (Rounded Down)	in (mm)				95 (2416)	95 (2416)	95 (2416)	95 (2416)
11c	Optional Free lift w/o LBR (TOF) (Rounded Down)	in (mm)				103 (2640)	103 (2640)	103 (2640)	103 (2640)
12	Fork carriage width Standard Carriage	in (mm)				78 (1981)	78 (1981)	78 (1981)	78 (1981)
13	Fork dimensions	in (mm)				6 X 2.5 X 48 (150 X 60 X 1219)	6 X 2.5 X 48 (150 X 60 X 1219)	6 X 2.5 X 48 (150 X 60 X 1219)	6 X 2.5 X 48 (150 X 60 X 1219)
14a	Fork Spacing - Std Carriage - Minimum Inside to inside edge	in (mm)				6.3 (160)	6.3 (160)	6.3 (160)	6.3 (160)
14b	Fork Spacing - Std Carriage - Maximum outside to outside edge	in (mm)				73.9 (1876)	73.9 (1876)	73.9 (1876)	73.9 (1876)
15	Mast tilt, forward / back	degrees				5F/10B	5F/10B	5F/10B	5F/10B
16	Overall length (length to face of forks)	in (mm)				144.4 (3669)	144.4 (3669)	144.4 (3669)	144.4 (3669)
17	Overall width	in (mm)				82.0 (2082)	82.0 (2082)	82.0 (2082)	82.0 (2082)
18	Height of Standard mast, lowered (Rounded Up)	in (mm)				148 (3740)	148 (3740)	148 (3740)	148 (3740)
19a	Height of mast, extended w/o load backrest (Rounded Up)	in (mm)				260 (6595)	260 (6595)	260 (6595)	260 (6595)
19b	Height of mast, extended w/ load backrest (Rounded Up)	in (mm)				266 (6754)	266 (6754)	266 (6754)	266 (6754)
20a	Height to top of Std. overhead guard (high) (Rounded Up)	in (mm)				100 (2531)	100 (2531)	100 (2531)	100 (2531)
20b	Height to top of Cab (Rounded Up)	in (mm)				101 (2549)	101 (2549)	101 (2549)	101 (2549)
21a	Outer turning radius	in (mm)				133.4 (3388)	133.4 (3388)	133.4 (3388)	133.4 (3388)
21b	Inner turning radius	in (mm)				9.1 (230)	9.1 (230)	9.1 (230)	9.1 (230)
22	Load distance (load face-ctr of wheel to face of forks - front overhang)	in (mm)				23.7 (601)	23.7 (601)	23.7 (601)	23.7 (601)
23a	Right angle stack with pallets (with pallet W=42in, L=48in)	in (mm)				202.4 (5140)	202.4 (5140)	202.4 (5140)	202.4 (5140)
23b	Right angle stack (add length of load)	in (mm)				157.0 (3989)	157.0 (3989)	157.0 (3989)	157.0 (3989)
24	90° intersecting aisle (with pallet W=42in, L=48in)	in (mm)				113.0 (2871)	113.0 (2871)	113.0 (2871)	113.0 (2871)
25	Travel speed	mph (km/hr)				13.6/14.0 (22.0/22.5)	13.6/14.0 (22.0/22.5)	15.6/15.9 (25.1/25.7)	15.6/15.9 (25.1/25.7)
26a	Lifting speed (2LFL)	ft/min (m/sec)				104.3/104.3 (.53/.53)	104.3/104.3 (.53/.53)	104.3/104.3 (.53/.53)	104.3/104.3 (.53/.53)
26b	Lifting speed (3FFL)	ft/min (m/sec)				100.4/100.4(.51/.51)	100.4/100.4(.51/.51)	100.4/100.4(.51/.51)	100.4/100.4(.51/.51)
27a	Lowering speed (2LFL)	ft/min (m/sec)				110.2/84.6 (.56/.43)	110.2/84.6 (.56/.43)	110.2/84.6 (.56/.43)	110.2/84.6 (.56/.43)
27b	Lowering speed (3FFL)	ft/min (m/sec)				102.4/70.9(.52/.36)	102.4/70.9(.52/.36)	102.4/70.9(.52/.36)	102.4/70.9(.52/.36)
28a	Maximum drawbar pull	lbs (kg)				9307/5912 (4222/2682)	9509/5957 (4313/2702)	10000/5912 (4536/2682)	10000/5957 (4536/2702)
28b	Drawbar pull @ 1.0 mph or 1.6 km/h	lbs (kg)				7733/5912 (3508/2682)	7936/5957 (3600/2702)	10000/5912 (4536/2682)	10000/5957 (4536/2702)
28c	Drawbar pull @ 3.0 mph or 4.8 km/h	lbs (kg)				4901/4699 (2223/2131)	5350/4699 (2427/2131)	6362/4699 (2886/2131)	6924/4699 (3141/2131)
29a	Gradeability max	%				26.2 / 29.1	26.8 / 29.1	28.4 / 29.1	28.3 / 29.1
29b	Gradeability @ 1.0 mph or 1.6 km/h	%				21.6 / 29.1	22.1 / 29.1	28.4 / 29.1	28.3 / 29.1
29c	Gradeability @ 3.0 mph or 4.8 km/h	%				14.0 / 24.8	15.6 / 24.8	18.5 / 24.8	20.2 / 24.8
31	Unladen weight (w/ std equipment: mast, carriage, forks, etc.)	lb (kg)				20960 (9495)	20960 (9495)	20960 (9495)	20960 (9495)
32a	Axle loading laden w/ std option configuration	lb (kg)				33180/3280 (15047/1487)	33180/3280 (15047/1487)	33180/3280 (15047/1487)	33180/3280 (15047/1487)
32b	Axle loading unladen w/ std option configuration	lb (kg)				9290/11670 (4213/5292)	9290/11670 (4213/5292)	9290/11670 (4213/5292)	9290/11670 (4213/5292)
33	Tire size-front					8.25 X 15 14PR	8.25 X 15 14PR	8.25 X 15 14PR	8.25 X 15 14PR
34	Tire size-rear					8.25 X 15 14PR	8.25 X 15 14PR	8.25 X 15 14PR	8.25 X 15 14PR
35	Wheelbase	in (mm)				88.0 (2235)	88.0 (2235)	88.0 (2235)	88.0 (2235)
37	Ground clearance under mast, laden	in (mm)				5.7 (146)	5.7 (146)	5.7 (146)	5.7 (146)
38	Ground clearance at center of wheelbase	in (mm)				10.0 (253)	10.0 (253)	10.0 (253)	10.0 (253)
39	Brakes Service - Method of Control/Operation					Hydraulic/ Foot	Hydraulic/ Foot	Hydraulic/ Foot	Hydraulic/ Foot
40	Brakes Park - Method of Control/Operation					Mechanical/ Hand	Mechanical/ Hand	Mechanical/ Hand	Mechanical/ Hand
41	Battery Type					Maintenance Free	Maintenance Free	Maintenance Free	Maintenance Free
42	Battery Volts/Cold Cranking Amps					12V / 475	12V / 475	12V / 475	12V / 475
43	Engine manufacturer/type					GM Gas	GM LP	GM Gas	GM LP
44	Engine output, in accordance with ISO1585	hp (kw)				98 (73) @ 2400 rpm	101 (75) @ 2400 rpm	98 (73) @ 2400 rpm	101 (75) @ 2400 rpm
45	Torque	ft/lb (N-m)				215 (290) @ 1800 rpm	220 (300) @ 2400 rpm	215 (290) @ 1800 rpm	220 (300) @ 2400 rpm
46	Number of cylinders/displacement	No./cc (ci)				V6/4302 (262)	V6/4302 (262)	V6/4302 (262)	V6/4302 (262)
47a	Gear change type					Elec. Controlled Powershift	Elec. Controlled Powershift	Elec. Controlled Powershift	Elec. Controlled Powershift
47b	Transmission: Number of speeds forward/reverse					2F/2R	2F/2R	3F/2R	3F/2R
49	Hydraulic Tank - capacity (drain & refill)	gal (liters)				18.7 (70.9)	18.7 (70.9)	18.7 (70.9)	18.7 (70.9)
50	Fuel Tank - Capacity (Gasoline- or Diesel-Powered Units Only)	gal (liters)				19.8 (74.8)	19.8 (74.8)	19.8 (74.8)	19.8 (74.8)
51	Working pressure for attachments	psi (bar)				2250 (155)	2250 (155)	2250 (155)	2250 (155)

CERTIFICATION: These Hyster lift trucks meet design specifications of Part II ANSI B56.1-1969, as required by OSHA Section 1910.178(a)(2) and also comply with Part III ANSI B56.1-revision in effect at time of manufacture. Certification of compliance with the applicable ANSI standards appears on the lift truck.

† **NOTE:** Performance specifications / ratings are for truck equipped as described under Standard Equipment in this Technical Guide. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature and condition of the operating area. Specifications are subject to change and the proposed application should be discussed with your authorized Hyster Company Dealer.

†† Limited by traction. For further information on this dimension, please contact your local Hyster dealer.

H155FT SPECIFICATIONS

15

		Hyster Company		Hyster Company			
GENERAL	1	Manufacturer	Hyster Company		Hyster Company		
	2a	Model designation	H155FT		H155FT		
	2b	Power Train - Engine Transmission	Kubota 3.8L EPA Certified Tier 4 (i)		Kubota 3.8L EPA Certified Tier 4 (i)		
	2c	Transmission Type	Electronic Powershift		DuraMatch™		
	3	Load capacity	lbs/kg	15,500	7,030	15,500	7,030
	4	Load center	in./mm	24	610	24	610
	5	Drive Power Type: Gas, Diesel, LPG		Diesel		Diesel	
	6	Operation: Seated rider		Seated Rider		Seated Rider	
	7	Step Height	in (mm)	12.6 (321)		12.6 (321)	
	8	Tires: P=pneumatic, C=cushion, SC=supercushion		Pneumatic		Pneumatic	
	9a	Number of wheels, front/rear (X = driven)		4X / 2		4X / 2	
	9b	Track width, front	in (mm)	72.7 (1846)		72.7 (1846)	
	9c	Track width, rear	in (mm)	60.5 (1536)		60.5 (1536)	
	10	Lift height, w/LBR (TOF) (Rounded Down)	in (mm)	212 (5400)		212 (5400)	
	11a	Standard Free lift height (Rounded Down)	in (mm)	6 (160)		6 (160)	
	11b	Optional Free lift w/LBR (TOF) (Rounded Down)	in (mm)	95 (2416)		95 (2416)	
	11c	Optional Free lift w/o LBR (TOF) (Rounded Down)	in (mm)	103 (2640)		103 (2640)	
	12	Fork carriage width Standard Carriage	in (mm)	78 (1981)		78 (1981)	
	13	Fork dimensions	in (mm)	6 X 2.5 X 48 (150 X 60 X 1219)		6 X 2.5 X 48 (150 X 60 X 1219)	
	14a	Fork Spacing - Std Carriage - Minimum Inside to inside edge	in (mm)	6.3 (160)		6.3 (160)	
	14b	Fork Spacing - Std Carriage - Maximum outside to outside edge	in (mm)	73.9 (1876)		73.9 (1876)	
	15	Mast tilt, forward / back	degrees	5F/10B		5F/10B	
	16	Overall length (length to face of forks)	in (mm)	143.6 (3648)		143.6 (3648)	
	17	Overall width	in (mm)	82.0 (2082)		82.0 (2082)	
	18	Height of Standard mast, lowered (Rounded Up)	in (mm)	148 (3740)		148 (3740)	
19a	Height of mast, extended w/o load backrest (Rounded Up)	in (mm)	260 (6595)		260 (6595)		
19b	Height of mast, extended w/ load backrest (Rounded Up)	in (mm)	266 (6754)		266 (6754)		
20a	Height to top of Std. overhead guard (high) (Rounded Up)	in (mm)	100 (2531)		100 (2531)		
20b	Height to top of Cab (Rounded Up)	in (mm)	101 (2549)		101 (2549)		
21a	Outer turning radius	in (mm)	133.4 (3388)		133.4 (3388)		
21b	Inner turning radius	in (mm)	9.1 (230)		9.1 (230)		
22	Load distance (load face-ctr of wheel to face of forks - front overhang)	in (mm)	23.7 (601)		23.7 (601)		
23a	Right angle stack with pallets (with pallet W=42in, L=48in)	in (mm)	202.4 (5140)		202.4 (5140)		
23b	Right angle stack (add length of load)	in (mm)	157.0 (3989)		157.0 (3989)		
24	90° intersecting aisle (with pallet W=42in, L=48in)	in (mm)	113.0 (2871)		113.0 (2871)		
25	Travel speed	mph (km/hr)	13.1/13.4 (21.1/21.6)		14.3/14.7 (23.0/23.7)		
26a	Lifting speed (2LFL)	ft/min (m/sec)	94/96 (.48/.49)		94/96 (.48/.49)		
26b	Lifting speed (3FFL)	ft/min (m/sec)	93/93 (.47/.47)		93/93 (.47/.47)		
27a	Lowering speed (2LFL)	ft/min (m/sec)	114/104 (.58/.53)		114/104 (.58/.53)		
27b	Lowering speed (3FFL)	ft/min (m/sec)	108/81 (.55/.41)		108/81 (.55/.41)		
28a	Maximum drawbar pull	lbs (kg)	11746/5894 (5328/2673)		10000/5894 (4536/2673)		
28b	Drawbar pull @ 1.0 mph or 1.6 km/h	lbs (kg)	9421/5894 (4273/2673)		10000/5894 (4536/2673)		
28c	Drawbar pull @ 3.0 mph or 4.8 km/h	lbs (kg)	5937/5894 (2693/2673)		6843/5894 (3104/2673)		
29a	Gradeability max	%	34.2	29.1	28.4	29.1	
29b	Gradeability @ 1.0 mph or 1.6 km/h	%	26.9	29.1	28.4	29.1	
29c	Gradeability @ 3.0 mph or 4.8 km/h	%	16.6	29.1	19.2	29.1	
DIMENSIONS	31	Unladen weight (w/ std equipment: mast, carriage, forks, etc.)	lb (kg)	20960 (9495)		20960 (9495)	
	32a	Axle loading laden w/ std option configuration	lb (kg)	33180/3280 (15047/1487)		33180/3280 (15047/1487)	
	32b	Axle loading unladen w/ std option configuration	lb (kg)	9290/11670 (4213/5292)		9290/11670 (4213/5292)	
	33	Tire size-front		8.25 X 15 14PR		8.25 X 15 14PR	
	34	Tire size-rear		8.25 X 15 14PR		8.25 X 15 14PR	
	35	Wheelbase	in (mm)	88.0 (2235)		88.0 (2235)	
	37	Ground clearance under mast, laden	in (mm)	5.7 (146)		5.7 (146)	
	38	Ground clearance at center of wheelbase	in (mm)	10.0 (253)		10.0 (253)	
	39	Brakes Service - Method of Control/Operation		Hydraulic/ Foot		Hydraulic/ Foot	
	40	Brakes Park - Method of Control/Operation		Mechanical/ Hand		Mechanical/ Hand	
PERFORMANCE	41	Battery Type		Maintenance Free		Maintenance Free	
	42	Battery Volts/Cold Cranking Amps		12V / 1010		12V / 1010	
	43	Engine manufacturer/type		Kubota 3.8L Turbodiesel		Kubota 3.8L Turbodiesel	
	44	Engine output, in accordance with ISO1585	hp (kw)	94 (70) @ 2200 rpm		94 (70) @ 2200 rpm	
	45	Torque	ft/lb (N-m)	246 (333) @ 1600 rpm		246 (333) @ 1600 rpm	
	46	Number of cylinders/displacement	No./cc (ci)	I-4/3769 (230)		I-4/3769 (230)	
	47a	Gear change type		Elec. Controlled Powershift		Elec. Controlled Powershift	
	47b	Transmission: Number of speeds forward/reverse		2F/2R		3F / 2R	
	49	Hydraulic Tank - capacity (drain & refill)	gal (liters)	18.7 (70.9)		18.7 (70.9)	
	50	Fuel Tank - Capacity (Gasoline- or Diesel-Powered Units Only)	gal (liters)	19.8 (74.8)		19.8 (74.8)	
TRANS. & POWER UNIT	51	Working pressure for attachments	psi (bar)	2250 (155)		2250 (155)	

STANDARD FEATURES AND OPTIONS

H135-155FT MAST DIMENSIONS

Maximum Fork Height (TOF) †	Overall Lowered Ht.	Overall Extended Height w/ Load Backrest	Overall Extended Height w/o Load Backrest	Free-Lift (TOF) w/Load Backrest	Free-Lift (TOF) w/o Load Backrest
in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)
2-STAGE LIMITED FREE-LIFT (LFL) VISTA® MAST					
118 (3000)	100 (2540)	172 (4354)	166 (4195)	6 (160)	6 (160)
133 (3400)	108 (2740)	188 (4754)	181 (4595)	6 (160)	6 (160)
173 (4400)	128 (3240)	227 (5754)	221 (5595)	6 (160)	6 (160)
212 (5400)	148 (3740)	266 (6754)	260 (6595)	6 (160)	6 (160)
3-STAGE FULL FREE-LIFT (FFL) VISTA® MAST					
185 (4700)	102 (2570)	239 (6054)	230 (5830)	47 (1216)	56 (1440)
220 (5600)	113 (2870)	274 (6954)	265 (6730)	59 (1516)	68 (1740)
244 (6200)	123 (3120)	298 (7554)	289 (7330)	69 (1766)	78 (1990)

† Lift heights over 212" (5400 mm) maximum fork height are considered highlifts and require reduced capacity and restricted back tilt.



STANDARD EQUIPMENT

Fortis® Package

Complete truck equipped with:

- GM 4.3L, V-6 emissions compliant engine
- Electronic powershift transmission
 - Hydraulic inching
 - Electronic shift control
 - 2 speeds forward, 2 speeds reverse
- Oil-cooled wet disc brakes
- MONOTROL® pedal
- 2-Stage limited free-lift (LFL) VISTA® mast with maximum fork height of 212" (5400 mm)
- 78" (1981 mm) wide hook-type carriage with 48" (1219) tall load backrest extension
- 48" (1219 mm) long hook type forks
- 6 degrees forward and 10 degrees backward mast tilt
- 3-function hydraulic control valve
- Integrated dashboard display includes:
 - LCD Display:
 - Fuel level (Gasoline or Diesel only)
 - Hour meter
 - Coolant Temperature
 - Clock
 - Messages
 - Service Indicator Lights:
 - Alternator
 - Transmission oil temperature
 - Engine oil pressure
 - Brake fluid level
 - Fasten seatbelt
 - Low fuel level
 - Engine malfunction
 - System malfunction
 - Park brake
 - Coolant temperature
 - Forward, reverse and neutral direction indicators
- Hydrostatic power steering
- Non-suspension vinyl seat
- Electronic horn
- Adjustable steer column
- Rubber floor mat
- High air intake
- Integral tie downs
- Operator restraint system
- Operator Presence System
- Combi-cooler radiator
- Single pedal inch brake
- Cowl-mounted hydraulic control levers
- Swing out LPG tank bracket
- 100" (2531 mm) Tall overhead guard
- 12 months / 2,000 hours manufacturer's warranty
- 24 months / 4,000 hours manufacturer's powertrain warranty
- Operator's manual
- UL Classification LP

Fortis® Advance Package

Complete truck equipped with:

- GM 4.3L, V-6 emissions compliant engine
- DuraMatch™ transmission
 - Electronic inching
 - Electronic shift control
 - Auto deceleration system
 - Controlled power reversal
 - Controlled roll back on ramps
 - 3 speeds forward, 2 speeds reverse
- Oil-cooled wet disc brakes
- MONOTROL® pedal
- 2-Stage limited free-lift (LFL) VISTA® mast with maximum fork height of 133" (2400 mm)
- 78" (1981 mm) wide hook-type carriage with 48" (1219) tall load backrest extension
- 48" (1219 mm) long hook type forks
- 6 degrees forward and 10 degrees backward mast tilt
- 3-function hydraulic control valve
- Integrated dashboard display includes:
 - LCD Display:
 - Fuel level (Gasoline or Diesel only)
 - Hour meter
 - Coolant Temperature
 - Clock
 - Messages
 - Service Indicator Lights:
 - Alternator
 - Transmission oil temperature
 - Engine oil pressure
 - Brake fluid level
 - Fasten seatbelt
 - Low fuel level
 - Engine malfunction
 - System malfunction
 - Park brake
 - Coolant temperature
 - Forward, reverse and neutral direction indicators
- Hydrostatic power steering
- Non-suspension vinyl seat
- Electronic horn
- Adjustable steer column
- Rubber floor mat
- High air intake
- Integral tie downs
- Operator restraint system
- Combi-cooler radiator
- Single pedal inch brake
- Cowl-mounted hydraulic control levers
- Swing out LPG tank bracket
- 100" (2531 mm) Tall overhead guard
- 12 months/2000 hours manufacturer's warranty
- 24 months/4000 hours manufacturer's powertrain warranty
- Operator's manual
- UL Classification LP

OPTIONS

- Kubota 3.8L EPA Certified Tier 4 interim Compliant Turbodiesel Engine
- High intensity LED lights (brake/tail/back-up)
- Powertrain protection system
- Premium monitoring
- High air intake with precleaner
- Accumulator
- Keyless start (with auxiliary key switch)
- Auto deceleration system (N/A with Fortis Package)
- Controlled power reversal feature (N/A with Fortis Package)
- Controlled roll back on ramps (N/A with Fortis Package)
- Powertrain protection system
- Dual LP tank bracket
- Return to set tilt
- TouchPoint™ hydraulic mini-levers with fully adjustable armrest
- Rear drive handle with horn button
- Full suspension seat - vinyl or cloth
- Swivel full-suspension seat - vinyl or cloth
- Impact monitor with immediate or delayed shutdown
- Load weight display
- Operator pre-shift checklist
- Dual-inch brake pedals (N/A with Fortis Package)
- Operator password protection
- Audible Reverse activated 82-102 dB(A) self-adjusting alarm
- Visible amber LED strobe light - continuously activated, overhead guard mounted
- Parts publications - printed or CD, serial number specific
- UL Classification G, D, LPS, GS, DS
- Various light packages:
 - Two front and one rear work lights
 - Two front, one rear work light and two brake/tail/back-up lights
- Cab includes the following:
 - Front and rear wiper
 - Full light package
 - Integral heater
 - Defogger
 - Removable doors
 - Operator dome light
 - Fan
- Side view mirrors

CAPACITY:

- Model H135FT:** 13,500 lbs. at 24" (6,125 kg at 610 mm) load center
Model H155FT: 15,500 lbs. at 24" (7,030 kg at 610 mm) load center

RATED CAPACITIES ARE FOR TRUCKS EQUIPPED WITH:

- 3-Stage full free-lift (FLL) VISTA® mast to 171.5" (4,356 mm) maximum fork height
- 78" (1,981 mm) hook-type carriage with 48" (1,219 mm) long forks
- 48" (1,129 mm) Tall load backrest extension (LBE)

MASTS

Masts are available in 2-stage limited free lift (LFL) and 2- or 3-stage full free-lift (FLL) VISTA® masts.

Masts show nested-channel design and full-radius, angled load rollers provides increased capacity at height while affording shorter overall length.

CARRIAGE

Carriages are hook-type, ITA Class IV mounting. Overall width without load backrest extension (LBE) is 78" (1981 mm); with LBE is 78." Minimum inside-to-inside edge fork spacing is 6.3" (160 mm). Maximum outside-to-outside edge fork spacing is 73.9" (1876 mm).

FORKS

H135-155FT lift trucks feature: 2.5" x 6" x 48" to 96" (60 x 150 x 2438 mm) long pallet forks.

Polished and full bottom tapered forks are also available.

ENGINE

GM 4.3L severe duty emissions compliant engine features:

- Electronically controlled LPG fuel system
- Drive-by-wire throttle control
- Electronic governor
- Engine Control Unit (ECU)
- Three-way catalytic converter exhaust system
- 4.3L engine produces 101 horsepower

Kubota 3.8L EPA Certified Tier 4 interim Turbodiesel Engine features:

- Cast iron block and heads
- Spin-on full flow oil filter
- Heavy-duty air cleaner with pre-cleaner
- Forged steel crankshaft
- Turbocharger with wastegate
- Oil-cooled pistons
- Electronically controlled high-pressure common-rail fuel system controls combustion rate to improve fuel efficiency and reduce noise
- Fuel filter with water separator
- Equipped with an Exhaust Gas Recirculation (EGR) system to reduce emissions and a Diesel Particulate Filter (DPF) to capture and oxidize particulate matter (soot)
- 3.8L Turbocharged engine produces 94 HP
- Engine is compatible with Biodiesel to a rating of B5 (5% bio, 95% diesel)

TRANSMISSION

- Electronic Powershift: 2 speed forward/2 speed reverse range powershift, hydraulic inching (requires no adjustment), electronic shift control, neutral start switch, and anti-restart protection
- DuraMatch™: All of the features of the standard electronic transmission plus 3 speeds forward/2 speeds reverse; Auto Deceleration System, electronic inching, controlled power reversal, controlled roll back on ramps

COOLING SYSTEM

- All models feature square-wave anti-clog Combi-cooler
- All radiators utilize cross-flow aluminum cores, pusher type fans and permanently lubricated water pumps
- "Knife-edge" type fan shrouds that direct air flow through the counterweight air passages
- 15 psi operating system pressure
- Combi-cooler contains an externally mounted transmission oil cooler to aid in heat dissipation

ELECTRICAL SYSTEM

- CANbus electrical system simplifies truck wiring and enhances truck dependability
- IP66 sealed automotive style electrical connectors
- Standardized wire routing, all wires are color coded, and marked with numbers for easy identification
- Vehicle System Manager (VSM) directly or indirectly controls all electrical functions except those controlled by the Engine Control Unit (ECU)
- 12-volt maintenance free battery provides 475 (1010 Diesel) cold cranking amps (cca) for easy starts
- Onboard diagnostics monitoring and feedback

HYDRAULIC SYSTEM

Manual Hydraulic Control Valve & Electro-Hydraulic Controls Available

- Hydraulic lift system relief operates at 3400 psi (23.4 Mpa)
- Tilt and auxiliary systems have 2,200 psi (15.5 Mpa) relief pressure in all valve variations
- Hydraulic system is protected by a replaceable 10-micron element in-tank filter assembly
- Hydraulic breather filter includes an anti-splash baffle and is rated at three micron
- O-Ring face seal fittings with captive O-Ring grooves are used on all high pressure connections
- Emergency lowering valve allows load to be lowered in the event of battery power loss
- 100 Mesh suction line strainer

STEER AXLE / STEER SYSTEM

- Equal-area, double-ended, hydrostatic steering cylinder is mounted in cast ductile iron axle frame
- Elastomeric axle mounts absorb shock and allow lubrication free articulation
- Axle assembly utilizes synthetic boots and seals to retain lubricants and shield components against destructive grit and reduce lube points
- Wheel hubs rotate on large, tapered roller bearings
- Top spindle bearings lubricated through easy access lube fittings
- Hydrostatic steer system provides smooth, precise steering with only 4 turns lock-to-lock

BRAKES

- Oil-cooled wet disc brakes provide extremely long service life and are protected from dirt and moisture
- Hydraulically boosted single circuit master cylinder with sealed fluid reservoir and magnetic fluid level sensor
- Ratchet-type, hand-activated parking brake lever allows controlled application

OPERATOR COMPARTMENT

- Cowl-mounted hydraulic control levers
- TouchPoint™ electro-hydraulic seat side mini-levers
- 12-Inch textured steering wheel with spinner knob
- Automotive style foot controls with single braking/inching pedal (dual pedals are optional)
- Integrated dashboard display is backlit, allowing easy visibility under all lighting conditions
- Grid-style overhead guard offers superb visibility at extended heights
- Infinitely adjustable tilt steer column
- Optimal entry step height on both sides of the truck
- MONOTROL® pedal controls engine speed and truck direction, freeing operator's hands to operate steering and hydraulic levers

Special attachments, equipment or accessories not listed above may be available through Applications Engineering for specific application requirements.