



J110-155XTLG SERIES

INTEGRATED LITHIUM-ION COUNTERBALANCE FORKLIFT

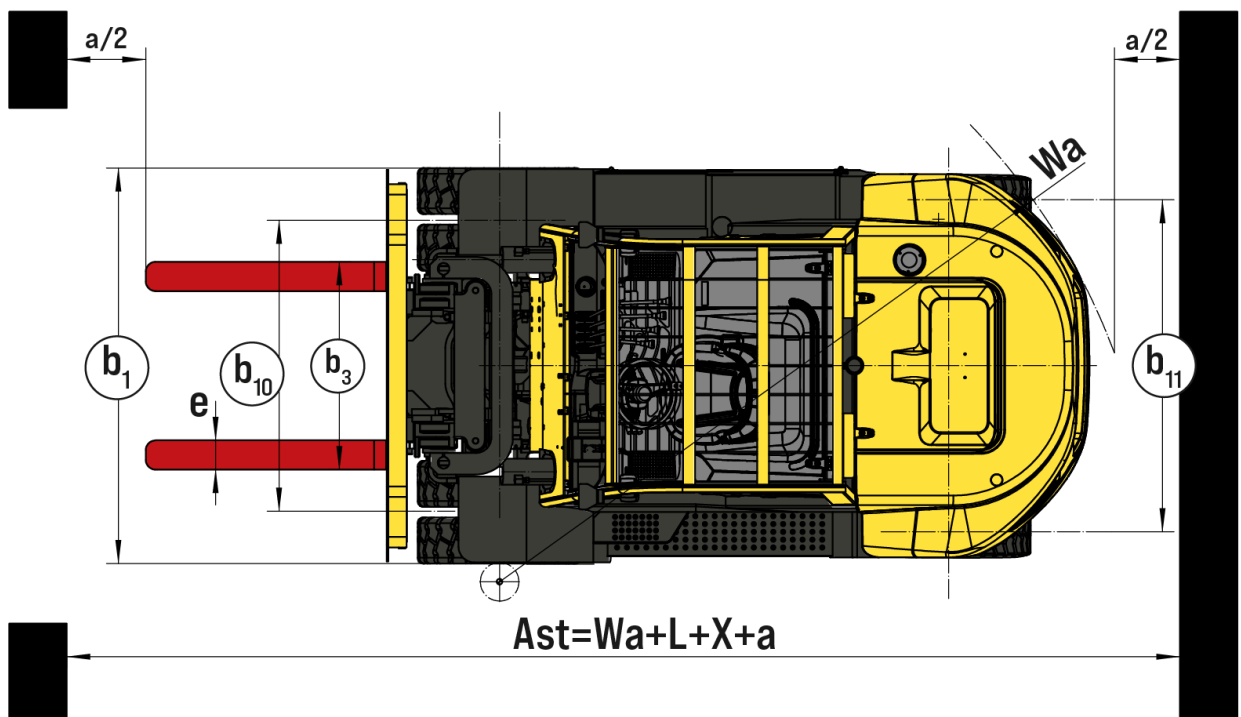
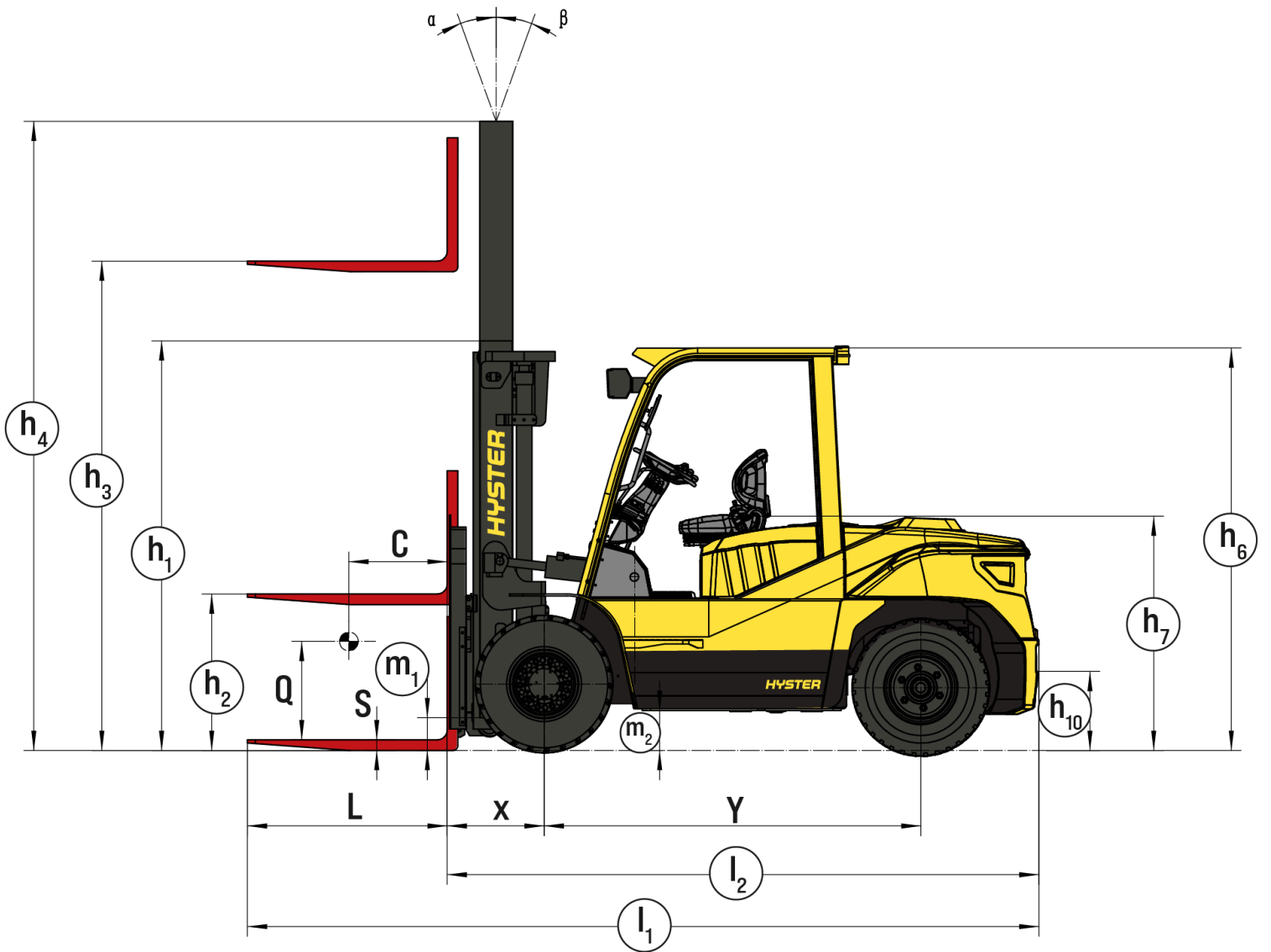
PRODUCT TECHNICAL GUIDE

HYSTER

AUTO-GENERATED

V1R0

11/05/2026



TECHNICAL DATA

SPECIFICATIONS TABLE

	1.2	Model designation		J110XTLG	J135XTLG	J155XTLG
Distinguishing mark	1.1	Manufacturer		Hyster	Hyster	Hyster
	1.3	Drive: electric(battery or mains), diesel, petrol, fuel gas		Electric	Electric	Electric
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seat	Seat	Seat
	1.5	Rated capacity/rated load	Q (lb)	11023	13228	15432
	1.6	Load center distance	c (in)	24.0	24.0	24.0
	1.8	Load distance, centre of drive axle to fork	x (in)	23.2	23.2	23.2
	1.9	Wheelbase (with mast vertical)	y (in)	90.6	90.6	90.6
Weight	2.1	Service weight	lb	18761	20249	21605
	2.2	Axle loading, laden front/rear	lb	26411/3373	29687/3790	32849/4188
	2.3	Axle loading, unladen front/rear	lb	8598/10163	9112/11137	9259/12346
Tires, chassis	3.1	Tyres: Solid rubber, superelastic, pneumatic, polyurethane		pneumatic	pneumatic	pneumatic
	3.2	Tyre size, front		8.25-15-14PR	8.25-15-14PR	8.25-15-14PR
	3.3	Tyre size, rear		8.25-15-14PR	8.25-15-14PR	8.25-15-14PR
	3.5	wheels, number front/rear		4x2	4x2	4x2
	3.6	Tread, front	b10 (in)	58.7	58.7	58.7
	3.7	Tread, rear	b11 (in)	67.0	67.0	67.0
Dimensions	4.1	Tilt of mast/fork carriage, forward /backward	α / β (°)	10/12	10/12	10/12
	4.2	Height, mast lowered	h1 (in)	98.5	98.5	103.4
	4.3	Free lift	h2 (in)	8.1	8.1	8.1
	4.4	Lift	h3 (in)	118.2	118.2	118.2
	4.5	Height, mast extended	h4 (in)	174.3	174.3	174.3
	4.7	Height of overhead guard(cabin)	h6 (in)	96.5	96.5	96.5
	4.8	Seat height	h7 (in)	55.2	55.2	55.2
	4.12	Towing coupling height	h10 (in)	13.6	13.6	13.6
	4.19	Overall length	l1 (in)	185.8	188.5	190.3
	4.20	Length to face of forks	l2 (in)	137.7	140.5	142.2
	4.21	Overall width, Std	b1/b2 (in)	79.6	79.6	79.6
	4.22	Fork dimensions ISO2331	s/e/l (in)	2.56/5.9/48	2.56/5.9/48	2.56/5.9/48
	4.23	Fork carriage ISO 2328. Class/type, A/B		ISO 4A	ISO 4A	ISO 4A
	4.24	Fork carriage width	b3 (in)	72.7	72.7	72.7

	1.2	Model designation		J110XTLG	J135XTLG	J155XTLG
	4.31	Ground clearance, laden, below mast	m1 (in)	7.9	7.9	7.9
	4.32	Ground clearance, centre of wheelbase	m2 (in)	9.1	9.1	9.1
	4.33	Load dimension b 12*/6 crossways	b12*16(in)	39.4x39.4	39.4x39.4	39.4x39.4
	4.34	Aisle width with no load dimensions	Ast (in)	159.1	161.0	163.4
	4.34.1	Aisle width with pallets 39" x 47" crossways	Ast (in)	198.6	200.5	202.9
	4.34.2	Aisle width with pallets 31" x 47" lengthways	Ast (in)	206.5	208.4	210.8
	4.35	Turning radius	Wa (in)	128.1	130.0	132.4
	4.36	Internal turning radius	b13 (in)	43.5	43.5	43.5
Performance data	5.1	Travel speed, laden/unladen	mph	11.8/12.4	11.8/12.4	11.8/12.4
	5.1.1	Travel speed, laden/unladen, backwards	mph	9.3/9.9	9.3/9.9	9.3/9.9
	5.2	Lifting speed, laden/unladen	ft/s	1.11/1.31	1.11/1.31	1.11/1.31
	5.3	Lowering speed laden/unladen	ft/s	1.64/1.31	1.64/1.31	1.64/1.31
	5.6	Max. drawbar pull laden/unladen	lbf	10116/8992	10116/8992	10116/8992
	5.7	Gradeability, laden/unladen	%	20/20	20/20	20/20
	5.9	Acceleration time, laden/unladen	sec	4.06/4.05	4.06/4.05	4.06/4.05
	5.10	Service brake		hydraulic	hydraulic	hydraulic
Electric-Motor	6.1	Drive Motor Rating, S2, 60min	hp/rpm	53.6hp/2400rpm	53.6hp/2400rpm	53.6hp/2400rpm
	6.2	Lifting motor rating at S3 15%	hp	53.6	53.6	53.6
	6.3	Battery according to DIN 43531/35/36 A, B, C, no		No	No	No
	6.4	Battery voltage/nominal capacity [5hr rate]	V / Ah	354.2 / 228	354.2 / 228	354.2 / 228
	6.6	Energy consumption according to VDI cycle	kWh/h	14.4	16.8	19.18
	6.7	Turnover output	t/h	297.6	347.2	393.5
	6.8	Energy consumption at turnover output	t/kWh	15.2	17.6	20.6
	8.1	Type of drive unit		PM AC	PM AC	PM AC
Additional data	10.1	Operating pressure for attachments	psi	2828.0	2828.0	2828.0
	10.2	Oil volume for attachments	gpm	37.0	37.0	37.0
	10.7	Sound pressure level at the driver's seat	dB (A)	74	74	74
	10.7.1	Sound power level during the workcycle	dB	91.7	91.7	91.7

	1.2	Model designation		J110XTLG	J135XTLG	J155XTLG
	10.8	Towing coupling, type DIN		PIN	PIN	PIN

NOTES:

(4.5) Without load backrest

(4.7) h6 subject to +/-0.2" (5mm) tolerance

(4.8) Full suspension seat in depressed position

(4.24) Add 1.26" (32mm) with load backrest

(10.2) Variable

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

Specification data is based on VDI 2198, with the following configuration: Complete truck with 118.1" (3000mm) 2-stage limited free lift mast, standard carriage and 42" (1070mm) forks, overhead guard and standard pneumatic drive and steer tires. CERTIFICATION: Hyster lift trucks meet the design and construction requirements of B56.1-1969, per OSHA Section 1910.178(a)(2), and also comply with the B56.1 revision in effect at time of manufacture. Certification of compliance with the applicable ANSI standards appears on the lift truck. Performance specifications are for a truck equipped as described under Standard Equipment on this technical guide. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature, condition of the operating area, proper service and maintenance of the vehicle. If these specifications are critical, the proposed application should be discussed with your dealer.

MAST DIMENSIONS

J110XTLG MAX CAPACITY@MFH LC 24" - DUAL PNEUMATIC SHAPED SOLID TYRES

Mast Type	Max.Lift Height (in)	Lowered Height (in)	Extended Height with-out LBR (in)	Extended Height with LBR (in)	Free Lift Height with-out LBR (in)	Forward Tilt (°)	Back Tilt (°)	Standard Carriage (lb)	73" Integral Sideshift Carriage (lb)	73" Hang on Sideshift Carriage (lb)	73" Integral Sideshift Carriage and Fork Positioner (lb)
2LFL	118.1	98.4	155.7	174.2	8.1	10	12	11000	10100	10000	9800
	129.9	104.3	167.5	186.0	8.1	10	12	11000	10100	10000	9800
	137.8	108.3	175.4	193.9	8.1	10	12	11000	10000	10000	9700
	147.6	113.2	185.2	203.7	8.1	10	12	11000	10000	10000	9700
	157.5	120.1	195.1	213.6	8.1	10	12	11000	10000	9900	9700
	177.2	129.9	214.8	233.3	8.1	6	6	10900	9900	9900	9600
	196.9	139.8	234.4	253.0	8.1	6	6	10900	9900	9800	9600
	216.5	151.6	254.1	272.6	8.1	3	6	10600	9600	9500	9300
	236.2	161.4	273.8	292.3	8.1	3	6	10300	9300	9200	9000
2FFL	118.1	103.3	161.8	173.4	61.2	10	12	11000	10100	10100	9900
	129.9	109.3	173.6	185.2	67.1	10	12	11000	10100	10100	9800
	137.8	113.2	181.5	193.1	71.1	10	12	11000	10100	10100	9800
	147.6	118.1	191.3	203.0	76.0	10	12	11000	10100	10000	9800
	157.5	125.0	201.2	212.8	82.9	10	12	11000	10000	10000	9800
3FFL	157.5	98.6	200.0	212.8	57.5	6	6	10600	9600	9600	9400
	171.3	103.5	213.8	226.6	62.4	6	6	10500	9400	9500	9200
	177.2	105.5	219.7	232.5	64.4	6	6	10400	9400	9400	9100
	189.0	109.4	231.5	244.3	68.3	6	6	10300	9200	9200	9000
	196.9	113.4	239.4	252.2	72.2	6	6	10100	9100	9100	8900
	212.6	118.3	255.1	267.9	77.2	6	6	9900	8900	9000	8700
	236.2	130.1	278.7	291.5	89.0	6	6	9500	8600	8600	8400
	255.9	139.0	298.4	311.2	97.8	6	6	9100	8200	8200	8000
	255.9	139.0	298.4	311.2	97.8	6	6	9100	8200	8200	8000

J135XTLG MAX CAPACITY@MFH LC 24" - DUAL PNEUMATIC SHAPED SOLID TYRES

Mast Type	Max.Lift Height (in)	Lowered Height (in)	Extended Height with-out LBR (in)	Extended Height with LBR (in)	Free Lift Height with-out LBR (in)	Forward Tilt (°)	Back Tilt (°)	Standard Carriage (lb)	73" Integral Sideshift Carriage (lb)	73" Hang on Sideshift Carriage (lb)	73" Integral Sideshift Carriage and Fork Positioner (lb)
2LFL	118.1	98.4	155.7	174.2	8.1	10	12	13200	12100	12100	11900
	129.9	104.3	167.5	186.0	8.1	10	12	13200	12100	12100	11800
	137.8	108.3	175.4	193.9	8.1	10	12	13200	12100	12000	11800
	147.6	113.2	185.2	203.7	8.1	10	12	13200	12100	12000	11800
	157.5	120.1	195.1	213.6	8.1	10	12	13200	12000	12000	11800
	177.2	129.9	214.8	233.3	8.1	6	6	13200	12000	11900	11700
	196.9	139.8	234.4	253.0	8.1	6	6	13100	12000	11900	11700
	216.5	151.6	254.1	272.6	8.1	3	6	12800	11600	11600	11400
	236.2	161.4	273.8	292.3	8.1	3	6	12400	10200	10400	9900
2FFL	118.1	103.3	161.8	173.4	61.2	10	12	13200	12100	12100	11900

Mast Type	Max.Lift Height (in)	Lowered Height (in)	Extended Height with-out LBR (in)	Extended Height with LBR (in)	Free Lift Height with-out LBR (in)	Forward Tilt (°)	Back Tilt (°)	Standard Carriage (lb)	73" Integral Sideshift Carriage (lb)	73" Hang on Sideshift Carriage (lb)	73" Integral Sideshift Carriage and Fork Positioner (lb)
	129.9	109.3	173.6	185.2	67.1	10	12	13200	12100	12100	11800
	137.8	113.2	181.5	193.1	71.1	10	12	13200	12100	12100	11800
	147.6	118.1	191.3	203.0	76.0	10	12	13200	12100	12000	11800
	157.5	125.0	201.2	212.8	82.9	10	12	13200	12000	12000	11800
3FFL	157.5	98.6	200.0	212.8	57.5	6	6	12600	11400	11400	11200
	171.3	103.5	213.8	226.6	62.4	6	6	12400	11200	11200	11000
	177.2	105.5	219.7	232.5	64.4	6	6	12300	11100	11200	10900
	189.0	109.4	231.5	244.3	68.3	6	6	12100	11000	11000	10800
	196.9	113.4	239.4	252.2	72.2	6	6	12000	10900	10900	10700
	212.6	118.3	255.1	267.9	77.2	6	6	11800	10700	10700	10500
	236.2	130.1	278.7	291.5	89.0	6	6	11400	10300	10300	10100
	255.9	139.0	298.4	311.2	97.8	6	6	11000	9600	9700	9100

J155XTLG MAX CAPACITY@MFH LC 24" - DUAL PNEUMATIC SHAPED SOLID TYRES

Mast Type	Max.Lift Height (in)	Lowered Height (in)	Extended Height with-out LBR (in)	Extended Height with LBR (in)	Free Lift Height with-out LBR (in)	Forward Tilt (°)	Back Tilt (°)	Standard Carriage (lb)	73" Integral Sideshift Carriage (lb)	73" Hang on Sideshift Carriage (lb)	73" Integral Sideshift Carriage and Fork Positioner (lb)
2LFL	118.1	103.3	160.6	174.2	8.1	10	12	15400	14300	14200	14000
	129.9	109.3	172.4	186.0	8.1	10	12	15400	14300	14200	14000
	137.8	113.2	180.3	193.9	8.1	10	12	15400	14300	14200	14000
	147.6	118.1	190.2	203.7	8.1	10	12	15400	14200	14200	13900
	157.5	125.0	200.0	213.6	8.1	10	12	15400	14200	14100	13900
	177.2	134.8	219.7	233.3	8.1	6	6	15400	14100	14000	13800
	196.9	144.7	239.4	253.0	8.1	6	6	15300	14100	14000	13800
	216.5	156.5	259.1	272.6	8.1	3	6	15000	13700	13600	13400
	236.2	166.3	278.7	292.3	8.1	3	6	14600	13400	13300	13100
2FFL	118.1	103.3	161.8	174.2	61.2	10	12	15400	14200	14100	13900
	129.9	109.3	173.6	186.0	67.1	10	12	15400	14100	14100	13800
	137.8	113.2	181.5	193.9	71.1	10	12	15400	14100	14100	13800
	147.6	118.1	191.3	203.0	76.0	10	12	15400	14100	14000	13800
	157.5	125.0	201.2	212.8	82.9	10	12	15400	14000	14000	13800
3FFL	157.5	98.6	200.0	212.8	57.5	6	6	14500	13200	13200	13000
	171.3	103.5	213.8	226.6	62.4	6	6	14400	13100	13100	12900
	177.2	105.5	219.7	232.5	64.4	6	6	14300	13000	13000	12800
	189.0	109.4	231.5	244.3	68.3	6	6	14100	12800	12800	12600
	196.9	113.4	239.4	252.2	72.2	6	6	14000	12700	12700	12500
	212.6	118.3	255.1	267.9	77.2	6	6	13700	12500	12500	12300
	236.2	130.1	278.7	291.5	89.0	6	6	13200	12100	12100	11900
	255.9	139.0	298.4	311.2	97.8	6	6	12500	11700	11700	11500
	255.9	139.0	298.4	311.2	97.8	6	6	12500	11700	11700	11500

BATTERY & CHARGER INFO

BATTERY INFO

	Unit	
Nominal Voltage	V	354.2
Chemistry		Lithium Iron Phosphate (LFP)
Nominal Energy Capacity	kWh	80.8
Charging Temperature	°F [°C]	32 to 113 (0 to 45)
Operating Temperature	°F [°C]	14 to 113 (-10 to 45)
IP Rating		IP54
3rd Party Rating		UL Listed

NOTES:

* Operating performance may be restricted below -14F please consult the Operator Manual

CHARGER INFO

	Item	Unit					Note: See Legend
DC Output Specs	Part Number	-	81023945	69208861	69208862	81023946	
	Rated Output Voltage	V	352	352	352	352	
	Output current	A	100	100	100	150	
	Typical output power	kW	35.2	35.2	35.2	52.8	
	20-80% Charge Time Estimate	h	1.4	1.4	1.4	1.0	*
	Output Connector		GB/T	GB/T	GB/T	GB/T	
	Protection	-	->	->	->	->	**
3 Phase AC Input Specs	Input Voltage	VAC	220	480	600	480	
	Input Current	A	132.7	45.6	36.5	91.2	***
	Typical Grid Power Required	KVA	50.1	37.5	37.6	75.1	
	Cable Length / Connector	ft (m)	10 (3) / Customer Provided Connector	10 (3) / Customer Provided Connector	10 (3) / Customer Provided Connector	10 (3) / Customer Provided Connector	
Form Factor	Exterior Dimensions (LxWxH)	in (mm)	25x19x43(628x490x1100)	24x17x32 (618x435x815)	24x17x43(618x430x1100)	25x19x43(628x490x1100)	
	Weight	lb (kg)	359 (163)	165 (75)	359 (163)	231 (105)	
Environmental Conditions	Working environment temperature	°F [°C]	-22 to 158°F (-30 to 70 °C)	-22 to 158°F (-30 to 70 °C)	-22 to 158°F (-30 to 70 °C)	-22 to 158°F (-30 to 70 °C)	
	Storage temperature	°F [°C]	-22 to 158°F (-30 to 70 °C)	-22 to 158°F (-30 to 70 °C)	-22 to 158°F (-30 to 70 °C)	-22 to 158°F (-30 to 70 °C)	
	Relative humidity	%	0-95%	0-95%	0-95%	0-95%	

	Item	Unit					Note: See Legend
	Altitude	ft (m)	≤ 6562 (2000) full load 6562-9843 (2000-3000) derated	≤ 6562 (2000) full load 6562-9843 (2000-3000) derated	≤ 6562 (2000) full load 6562-9843 (2000-3000) derated	≤ 6562 (2000) full load 6562-9843 (2000-3000) derated	
	Ingress Protection Rating	-	IP54	IP54	IP54	IP54	
Other	3rd Party Rating	-	UL 1564 Compliant	UL 1564 Compliant	UL 1564 Compliant	UL 1564 Compliant	
	Warranty Term	-	->	->	->	->	

NOTES:

* Periodic full discharge and charge needed to balance cells and maintain battery warranty. See full warranty statement for complete details

** Short circuit, overcurrent, overvoltage, reverse connection, current backflow protection, isolation

*** Breaker typically 25% greater than input current, consult electrical professional for your situation

2 Year Warranty, Terms and Conditions Apply. See full warranty statement for complete details

OPTIONS TABLE

SPECIFICATIONS TABLE

PERFORMANCE	STD	OPT
Standard [-4° F to +104° F] Environmental construction*	X	
Drum Brakes	X	
Antistatic Strap	X	
354.2V228Ah (80.7kWh) Integrated Li-ion battery	X	
Charger (220V Three Phase Input / 100A Output)		X
Charger (480V Three Phase Input / 100A Output)	X	
Charger (600V Three Phase Input / 100A Output)		X
Charger (480V Three Phase Input / 150A Output)		X
Battery Disconnect	X	
DRIVE	STD	OPT
Directional Lever	X	
MONOTROL® Directional Control Pedal		X
Dual Tread tires	X	
Tires - Pneumatic Shaped Solid	X	
Tires - Pneumatic Radial		X
Steering Column Mounted Directional Control	X	
Steering Wheel with Spinner Knob	X	
Steer Column with Infinitely Adjustable Tilt	X	
On Demand Power Steering	X	
LIFT	STD	OPT
2 Stage Limited Free Lift Mast – Class 4	X	
2 Stage Full Free Lift Mast – Class 4		X
3 Stage Full Free Lift Mast – Class 4		X
10° Forward / 12° Back Mast Tilt (for 2LFL& 2FFL 118"~148")	X	
6° Forward / 6° Back Mast Tilt (for 2LFL& 2FFL&3FFL 157"~197")		X
3° Forward / 6° Back Mast Tilt (for 2LFL& 2FFL&3FFL 213"~256")		X
Tilt Cylinder Boots		X
HANDLING	STD	OPT
Hook Type Standard Carriage - 73" Class 4	X	
Hook Type Standard Carriage - 83" Class 4		X
Hook Type Integral Sideshift Carriage - 73" Class 4		X
Pin Type Integral Sideshift Carriage with Fork Positioner - 73" Class 4		
73" LDSJ Hang-On Sideshift Carriage (Hook Type forks)		X
75" LDSJ Hang-On Sideshift Carriage with Fork Positioner (Hook Type Forks)		X
48" Long Hook Type (2.6" x 6") Standard Tapered Forks Without Load backrest	X	
51.5" High Load backrest (73" wide)		X
51.5" High Load backrest (83" wide)		X
Manual Lever Hydraulic Control	X	
Clamping function		X
2 Function (0 Auxiliary) Hydraulic Valve		X
3 Function (1 Auxiliary) Hydraulic Valve	X	
4 Function (2 Auxiliary) Hydraulic Valve		X
VISIBILITY	STD	OPT
LED Work lights		X

PERFORMANCE	STD	OPT
LED Rear light package Brake/Tail/Backup		X
LED Rear light package Brake/Tail/Backup/Turn		X
Audible Reverse Alarm		X
Switch Activated Strobe Light		X
Dual Side View Mirrors		X
Rear reflector	X	
Blue LED Pedestrian Awareness Spotlights		X
Red LED Pedestrian Awareness Perimeter Lines		X
Parking Alarm	X	
ERGONOMICS	STD	OPT
96.5" Overhead Guard	X	
Non Suspension Vinyl Seat with hip restraint	X	
Full Suspension Vinyl Seat with hip restraint		X
Full Suspension Vinyl Seat with hip restraint or flip up armrest		X
Standard Seat Belt with Interlock		X
Cabin Options (Partial, Steel Doors)	X	
Rear Drive Handle with Horn Button		X
Toolbox		X
LCD Dash Display	X	
Heater/Demister		X
Operator fan		X
Single USB Port	X	
OPERATION	STD	OPT
Traction speed limiters		X
Key Switch Start	X	
Battery disconnect	X	
Telemetry Prepared	X	
Speed Reduction in Corners		X
Anti-Static strap	X	
Foot Direction Control		X
Hyster Tracker™ Wireless Monitoring	X	
Hyster Tracker™ Wireless Access		X
Hyster Tracker™ Wireless Verification		X
Pedestrian Awareness Camera		X
Load Weight Indicator		X
Operator Presence System	X	
Camera System (Rear / front mounted) with LCD display		X
Speed reduction with elevated mast		X
APPEARANCE	STD	OPT
Hyster yellow paint base truck	X	
SUPPLEMENTAL	STD	OPT
12 Month / 2000 hour Limited Warranty (parts only)	X	
5 years / 3000 cycles Integrated Li-ion Battery Warranty	X	
2 years Li-ion Charger Warranty	X	

NOTES:

* Operating performance may be restricted below 14°F. Please consult the Operator Manual
Option availability varies by region



Hyster Company

P.O. Box 7367

Greenville, NC 27835-7367

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CERTIFICATION: Hyster lift trucks meet the design and construction requirements of B56.1-1969, per OSHA Section 1910.178(a)(2), and also comply with the B56.1 revision in effect at time of manufacture.