



J110-155XTLG SERIES

INTEGRATED LITHIUM-ION COUNTERBALANCE FORKLIFT

PRODUCT TECHNICAL GUIDE

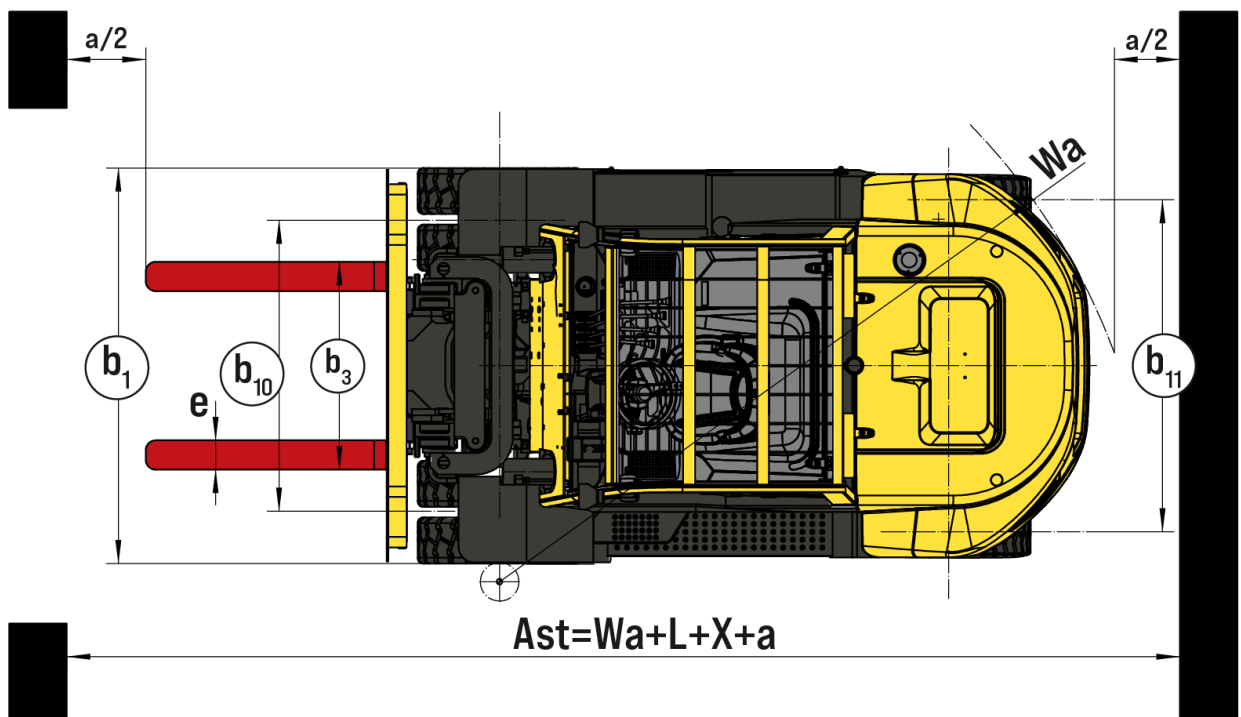
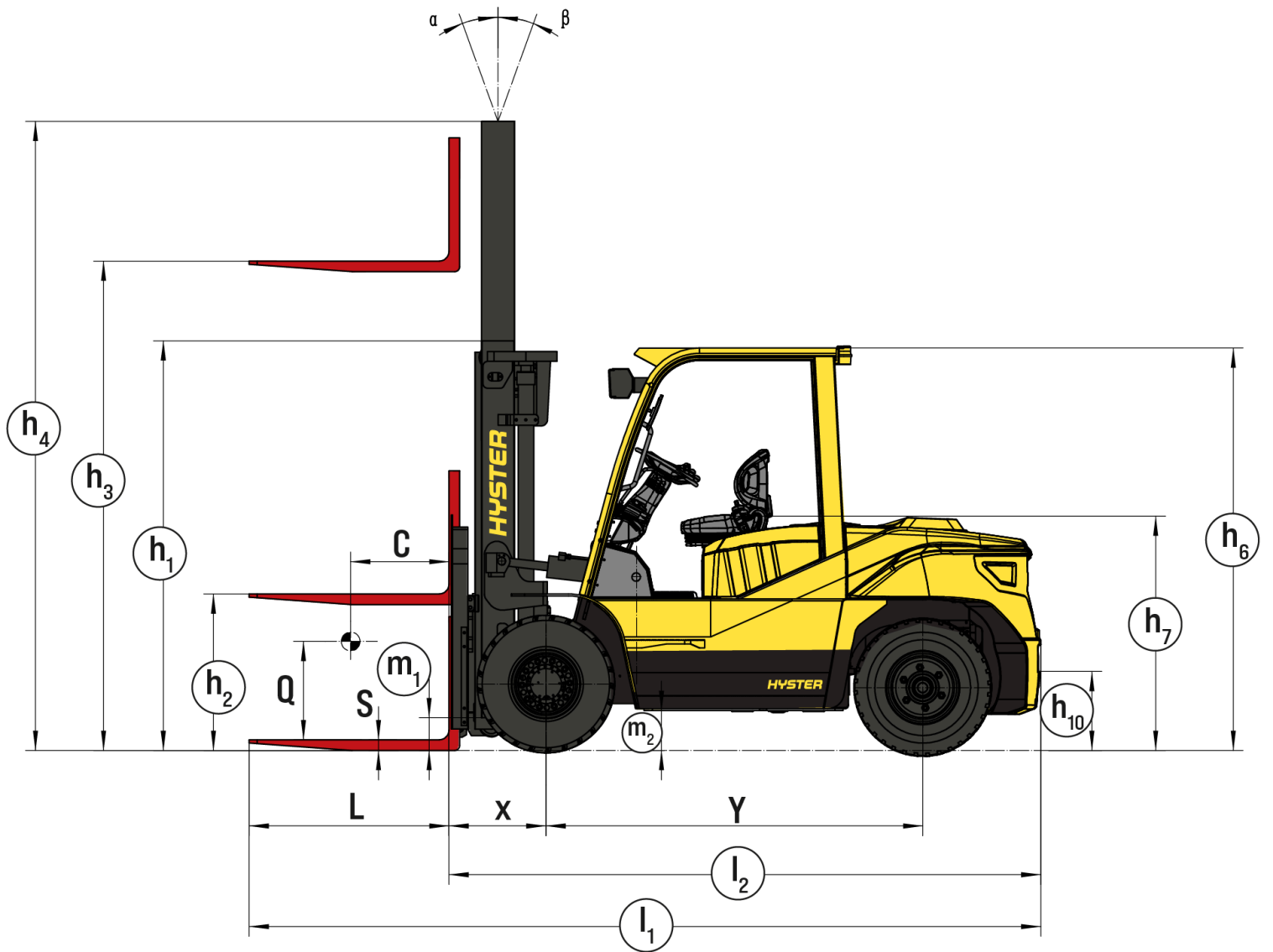
HYSTER

AUTO-GENERATED

V1R0

11/05/2026

TOP VIEW



TECHNICAL DATA

SPECIFICATIONS TABLE

Distinguishing mark	1.1	Manufacturer		Hyster	Hyster	Hyster
	1.2	Model designation		J110XTLG	J135XTLG	J155XTLG
	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 (kg)	5000	6000	7000
	1.6	Load centre distance	c (mm)	610	610	610
	1.8	Load distance, centre of drive axle to fork	x (mm)	590	590	590
	1.9	Wheelbase (with mast vertical)	y (mm)	2300	2300	2300
Weight	2.1	Service weight	kg	8510	9185	9800
	2.2	Axle loading, laden front/rear	kg	11980/1530	13466/1719	14900/1900
	2.3	Axle loading, unladen front/rear	kg	3900/74	4133/516	4200/1064
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 (mm)	1489	1489	1489
	3.7	Tread, rear	b11 (mm)	1700	1700	1700
Dimensions	4.1	Tilt of mast/fork carriage, forward /backward	α / β (°)	10/12	10/12	10/12
	4.2	Height, mast lowered	h1 (mm)	2500	2500	2625
	4.3	Free lift	h2 (mm)	205	205	205
	4.4	Lift	h3 (mm)	3000	3000	3000
	4.5	Height, mast extended	h4 (mm)	4425	4425	4425
	4.7	Height of overhead guard(cabin)	h6 (mm)	2450	2450	2450
	4.8	Seat height/stand height	h7 (mm)	1400	1400	1400
	4.12	Towing coupling height	h10 (mm)	345	345	345
	4.19	Overall length	l1 (mm)	4715	4785	4830
	4.20	Length to face of forks	l2 (mm)	3495	3565	3610
	4.21	Overall width, Std/Dual	b1/b2 (mm)	2020	2020	2020
	4.22	Fork dimensions ISO2331	s/e/l (mm)	65/150/1220	65/150/1220	65/150/1220
	4.23	Fork carriage ISO 2328. Class/type, A/B		ISO 4A	ISO 4A	ISO 4A
	4.24	Fork carriage width	b3 (mm)	1845	1845	1845

Distinguishing mark	1.1	Manufacturer		Hyster	Hyster	Hyster
	4.31	Ground clearance, laden, below mast	m1 (mm)	200	200	200
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	230	230	230
	4.33	Load dimension b 12*/6 crossways	b12*16(mm)	1000x1000	1000x1000	1000x1000
	4.34	Aisle width with no load dimensions	Ast (mm)	5040	5090	5150
	4.34.1	Aisle width with pallets 1000mm x 1200mm crossways	Ast (mm)	5040	5090	5150
	4.34.2	Aisle width with pallets 800mm x 1200mm lengthways	Ast (mm)	5240	5290	5350
	4.35	Turning radius	Wa (mm)	3250	3300	3360
	4.36	Internal turning radius	b13(mm)	1105	1105	1105
Performance data	5.1	Travel speed, laden/unladen	km/h	19/20	19/20	19/20
	5.1.1	Travel speed, laden/unladen, backwards	km/h	15/16	15/16	15/16
	5.2	Lifting speed, laden/unladen	mm/s	340/400	340/400	340/400
	5.3	Lowering speed laden/unladen	mm/s	500/400	500/400	500/400
	5.6	Max. drawbar pull laden/unladen	N	45000/40000	45000/40000	45000/40000
	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
	6.5	Battery weight	kg	674	674	674
	6.6	Energy consumption according to VDI cycle	kWh/h	14.4	16.8	19.18
	6.7	Turnover output	t/h	270	315	357
	6.8	Energy consumption at turnover output	t/kWh	13.8	16	18.7
	8.1	Type of drive unit		PM AC	PM AC	PM AC
Additional data	10.1	Operating pressure for attachments	bar	195	195	195
	10.2	Oil volume for attachments	l/min	140	140	140
	10.7	Sound pressure level at the driver's seat	dB (A)	74	74	74

Distinguishing mark	1.1	Manufacturer	Hyster	Hyster	Hyster
	10.7.1	Sound power level during the workcycle	dB (A)	91.7	91.7
	10.8	Towing coupling, type DIN		PIN	PIN

NOTES:

NOTES:

(1) Without load backrest. (2) h6 subject to +/-0.2" (5mm) tolerance. (3) Full suspension seat in depressed position. (4) Add 1.26" (32mm) with load backrest. (5) Variable. (6) 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: Yale 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 610MM

	Max Fork Height (mm)	Lowered Height (mm)	Extended Height without LBR (mm)	Extended Height with LBR (mm)	Free Lift Height without LBR (mm)	Forward Tilt (°)	Back Tilt (°)	Without sideshift (kg)	With 1845mm Integral Sideshift Carriage (kg)	1845 mm Integral Sideshift Carriage and Fork Positioner (kg)	Dual Pneumatic Shaped Solid Tyres
											73" Integral Sideshift Carriage and Fork Positioner (lb)
2LFL	3000	2500	3955	4425	205	10	12	5000	4620	4620	Solid(lb)
	3300	2650	4255	4725	205	10	12	5000	4610	4610	9800
	3500	2750	4455	4925	205	10	12	5000	4600	4600	9800
	3750	2875	4705	5175	205	10	12	5000	4590	4590	9700
	4000	3050	4955	5425	205	10	12	5000	4560	4560	9700
	4500	3300	5455	5925	205	6	6	5000	4550	4550	9700
	5000	3550	5955	6425	205	6	6	5000	4500	4500	9600
	5500	3850	6455	6925	205	3	6	4750	3690	3690	9600
	6000	4100	6955	7425	205	3	6	4410	3430	3430	9300
2FFL	3000	2625	4110	4405	1555	10	12	5000	4580	4580	9000
	3300	2775	4410	4705	1705	10	12	5000	4570	4570	9900
	3500	2875	4610	4905	1805	10	12	5000	4560	4560	9800
	3750	3000	4860	5155	1930	10	12	5000	4550	4550	9800
	4000	3175	5110	5405	2105	10	12	5000	4530	4530	9800
3FFL	4000	2505	5080	5405	1460	6	6	4830	4390	4390	9800
	4350	2630	5430	5755	1585	6	6	4760	4740	4740	9400
	4500	2680	5580	5905	1635	6	6	4730	4280	4280	9200
	4800	2780	5880	6205	1735	6	6	4660	4210	4210	9100
	5000	2880	6080	6405	1835	6	6	4620	4160	4160	9000
	5400	3005	6480	6805	1960	6	6	4520	4060	4060	8900
	6000	3305	7080	7405	2260	6	6	4310	3480	3480	8700
	6500	3530	7580	7905	2485	6	6	3780	2920	2920	8400

J135XTLG MAX CAPACITY@MFH LC 610MM

	Max Fork Height (mm)	Lowered Height (mm)	Extended Height without LBR (mm)	Extended Height with LBR (mm)	Free Lift Height without LBR (mm)	Forward Tilt (°)	Back Tilt (°)	Without sideshift (kg)	With 1845mm Integral Sideshift Carriage (kg)	1845 mm Integral Sideshift Carriage and Fork Positioner (kg)
2LFL	3000	2500	3955	4425	205	10	12	6000	5550	5550
	3300	2650	4255	4725	205	10	12	6000	5540	5540
	3500	2750	4455	4925	205	10	12	6000	5540	5540
	3750	2875	4705	5175	205	10	12	6000	5530	5530
	4000	3050	4955	5425	205	10	12	6000	5500	5500

	Max Fork Height (mm)	Lowered Height (mm)	Extended Height without LBR (mm)	Extended Height with LBR (mm)	Free Lift Height without LBR (mm)	Forward Tilt (°)	Back Tilt (°)	Without sideshift (kg)	With 1845mm Integral Sideshift Carriage (kg)	1845 mm Integral Sideshift Carriage and Fork Positioner (kg)
	4500	3300	5455	5925	205	6	6	6000	5480	5480
	5000	3550	5955	6425	205	6	6	6000	5460	5460
	5500	3850	6455	6925	205	3	6	5820	4610	4610
	6000	4100	6955	7425	205	3	6	5400	4250	4250
2FFL	3000	2625	4110	4405	1555	10	12	6000	5510	5510
	3300	2775	4410	4705	1705	10	12	6000	5500	5500
	3500	2875	4610	4905	1805	10	12	6000	5500	5500
	3750	3000	4860	5155	1930	10	12	6000	5490	5490
	4000	3175	5110	5405	2105	10	12	6000	5460	5460
3FFL	4000	2505	5080	5405	1460	6	6	5760	5220	5220
	4350	2630	5430	5755	1585	6	6	5670	5140	5140
	4500	2680	5580	5905	1635	6	6	5630	5100	5100
	4800	2780	5880	6205	1735	6	6	5550	5030	5030
	5000	2880	6080	6405	1835	6	6	5490	4970	4970
	5400	3005	6480	6805	1960	6	6	5380	4870	4870
	6000	3305	7080	7405	2260	6	6	5160	4270	4270
	6500	3530	7580	7905	2485	6	6	4620	3650	3650

J155XTLG MAX CAPACITY@MFH LC 610MM

	Max Fork Height (mm)	Lowered Height (mm)	Extended Height without LBR (mm)	Extended Height with LBR (mm)	Free Lift Height without LBR (mm)	Forward Tilt (°)	Back Tilt (°)	Without sideshift (kg)	With 1845mm Integral Sideshift Carriage (kg)	1845 mm Integral Sideshift Carriage and Fork Positioner (kg)
								Dual Pneumatic Tires	Dual Pneumatic Tires	Dual Pneumatic Tires
2LFL	3000	2625	4080	4425	205	10	12	7000	6820	6820
	3300	2775	4380	4725	205	10	12	7000	6810	6810
	3500	2875	4580	4925	205	10	12	7000	6800	6800
	3750	3000	4830	5175	205	10	12	7000	6800	6800
	4000	3175	5080	5425	205	10	12	7000	6760	6760
	4500	3425	5580	5925	205	6	6	7000	6750	6750
	5000	3675	6080	6425	205	6	6	7000	6610	6610
	5500	3975	6580	6925	205	3	6	6620	6210	6210
	6000	4225	7080	7425	205	3	6	6420	6170	6170
2FFL	3000	2625	4110	4425	1555	10	12	7000	6450	6450
	3300	2775	4410	4725	1705	10	12	7000	6440	6440
	3500	2875	4610	4925	1805	10	12	7000	6430	6430
	3750	3000	4860	5155	1930	10	12	7000	6420	6420
	4000	3175	5110	5405	2105	10	12	7000	6400	6400
3FFL	4000	2505	5080	5405	1460	6	6	6650	6040	6040
	4350	2630	5430	5755	1585	6	6	6560	5960	5960
	4500	2680	5580	5905	1635	6	6	6510	5920	5920

	Max Fork Height (mm)	Lowered Height (mm)	Extended Height without LBR (mm)	Extended Height with LBR (mm)	Free Lift Height without LBR (mm)	Forward Tilt (°)	Back Tilt (°)	Without sideshift (kg)	With 1845mm Integral Sideshift Carriage (kg)	1845 mm Integral Sideshift Carriage and Fork Positioner (kg)
	4800	2780	5880	6205	1735	6	6	6430	5850	5850
	5000	2880	6080	6405	1835	6	6	6370	5790	5790
	5400	3005	6480	6805	1960	6	6	6170	5680	5680
	6000	3305	7080	7405	2260	6	6	5540	5260	5260
	6500	3530	7580	7905	2485	6	6	4950	4670	4670

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				
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%
	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

OPTIONS INFO

PERFORMANCE	STD	OPT
Standard [-20° C to 40° C] 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 3000mm~3750mm)	x	
6° Forward / 6° Back Mast Tilt (for 2LFL& 2FFL&3FFL 4000mm~5000mm)		x
3° Forward / 6° Back Mast Tilt (for 2LFL& 2FFL&3FFL 5400mm~6500mm)		x
Tilt Cylinder Boots		x
HANDLING	STD	OPT
Hook Type Standard Carriage - 1845mm Class 4	x	
Hook Type Standard Carriage -2100mm Class 4		x
Hook Type Integral Sideshift Carriage - 1845mm Class 4		x
Pin Type Integral Sideshift Carriage with Fork Positioner - 1845mm Class 4		
1845mm LDSJ Hang-On Sideshift Carriage (Hook Type forks)		x
1905mm LDSJ Hang-On Sideshift Carriage with Fork Positioner (Hook Type Forks)		x
Hook Type Standard Taper Forks 1220 x 150 x 65mm	x	
Without Load backrest		x

PERFORMANCE	STD	OPT
1305mm High Load backrest (1845mm wide)		X
1305mm High Load backrest (2100mm 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
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
2450mm 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 re- straint 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	

PERFORMANCE	STD	OPT
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 -10°C. Please consult the Operator Manual*

Option availability varies by region