

HANGCHA GROUP CO., LTD.

Factory site: 666 Xiangfu Road,
Hangzhou, Zhejiang, China (311305)

Tel: +86-571-88926735 88926755
Fax: +86-571-88926789 88132890

sales@hcforklift.com www.hcforklift.com

HANGCHA GROUP CO., LTD. reserves the right to make any changes without notice concerning colors, equipment, or specifications detailed in this brochure, or to discontinue individual models. The colors of trucks, delivered may differ slightly from those in brochures.



Follow us on
Facebook



Follow us on
YouTube



Follow us on
WeChat



Download "Hangcha
Forklift" App



ISO45001:2018



ISO14001:2015



ISO9001:2015



HANGCHA trucks conform
to the European Safety
Requirements.



X SERIES

MAN-UP TRI-LATERAL ELECTRIC STACKER

With capacity of 1,000 to 1,600kg

X SERIES MAN-UP TRI-LATERAL ELECTRIC STACKER

Suitable for very narrow aisle (VNA) and high-bay warehouses, meeting the demands for minimum aisle widths and maximum lift heights. With high lifting capacity, high load capability, small turning radius, advanced performance, comfortable operation, and safety reliability, it is the ideal truck for logistics handling, stacking and order picking in high-rise warehouses.

Streamlined design, stable and reliable



Streamlined curved surface design with smooth vehicle lines, elegant and generous appearance.



Wide chassis design for excellent overall stability.



High-strength frame construction for chassis and mast, low center of gravity, ensuring stability even at maximum lift heights.

FOCUSED COMFORT

Ergonomically arranged control panel, instruments and switches for comfortable and flexible operation.



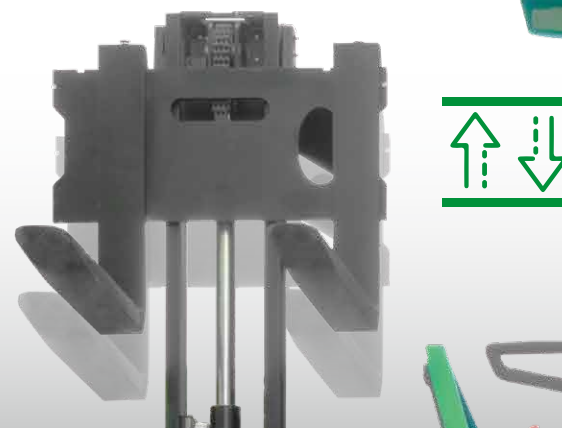
Integrated electro-hydraulic proportional control system for precise and smooth fork operation.

Electric steering for light and comfortable maneuvering.



Low entry step height for easy and comfortable access.

Control panel with height and tilt adjustment according to operator preference.
Stand-on and sit-on operating modes with easy switching.



Electro-hydraulic cushioning system with automatic deceleration at end positions to reduce impact.

New integrated combination instrument panel with comprehensive functions and intuitive reading.



STATE OF THE ART

Advanced Technology

High fork lifting/lowering speeds for maximum productivity.
automatic correlation between load weight and lift height.

**Advanced electro-hydraulic control system
with automatic correlation between travel
speed and lift height/steering angle;**

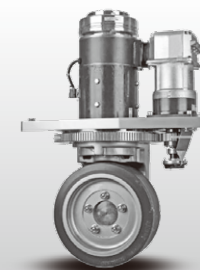


Integrated mechanical, electrical and hydraulic control
with stepless speed regulation for travel and fork
movements, ensuring precise and smooth control.



New AC control system providing efficient and precise
adjustment performance, extending operating time
per charge.

Innovation



Electromagnetic parking brake, eliminating
traditional handbrake for intelligent parking
brake control.



Intelligent electromagnetic service brake
system for more efficient and safer
braking.



Left/right rear-view mirrors and LED working
lights to assist operator in observing lateral
working areas when visibility is limited.



Large LCD display with fault self-diagnosis,
providing accurate indication even in harsh
environments.



Intelligent fork position recognition for travel
speed control. Dynamic variable hydraulic
system reducing oil temperature for energy
efficiency.

SUPERIOR RESULTS

Efficiency

Minimum aisle width required, maximizing warehouse space utilization.
High residual capacity at maximum lift heights with minimal load loss, improving stacking efficiency.

With maximum fork lift height of

14.7m

Electro-hydraulic control system with potential energy recovery, ensuring high efficiency and extended battery operating time per charge.

High-power AC hydraulic pump motor with large displacement gear pump, significantly increasing fork lifting/lowering speeds for higher throughput.



HANGCHA provides Li-ion battery (LiFePO4) with 6 years or 12000 hours warranty.



How HANGCHA VNA delivers space savings



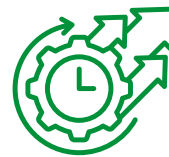
+80% **+200%**

SAFETY AND RELIABILITY



Main electrical components including motor controller, contactor, power plug and emergency disconnect switch adopt internationally renowned brands.

- Three-point low center of gravity design with high-strength construction for chassis, mast and other main load-bearing components to meet heavy-duty requirements.
- High-efficiency AC power system with comprehensive protection functions, greatly improving reliability and service life.



Optimized wide-view mast design with excellent operator visibility for enhanced operational safety.

Standard front and rear wheel brake system with large braking torque, suitable for wet and slippery surfaces both indoors and outdoors for safer travel.

Safety pedal, lateral barriers, automatic sensing handle and other active/passive safety systems to prevent hazards from operator error.

Easy Service



- 1 Maintenance-free AC brushless motors significantly reducing operating costs.

- 2 Fully opening panels for easy maintenance, servicing and debugging.

- 3 Electrical and electronic components centrally located with high integration.

- 4 Standard lateral battery removal for convenient battery maintenance.



LITHIUM POWERED

EMPOWER YOURSELF WITH THE BEST



Li
Lithium

POWER THE POSSIBILITIES
RELIABLE LITHIUM-ION TECHNOLOGY

LITHIUM BATTERY ADVANTAGES



Long service life

4000 full charging cycles with at least 75% residual capacity.



Return on investment

Add flexibility to your operation, cost-saving in the long term, increased efficiencies.



Maintenance free

No topping up of water or checking acid levels.



High energy density

The high energy density of the Li-Ion battery ensures long working times and increases the high availability.



Cold area application

Li-Ion batteries maintain high performance at temperatures below freezing.



High safety and reliability

Intelligent battery management monitoring every important function, no emission of battery gasses.



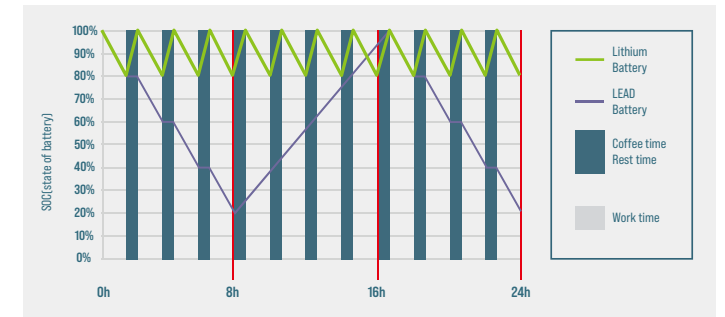
Opportunity charging

Full performance during several shifts thanks to effective interim charging.

FEATURES & BENEFITS THE HANGCHA DIFFERENCE

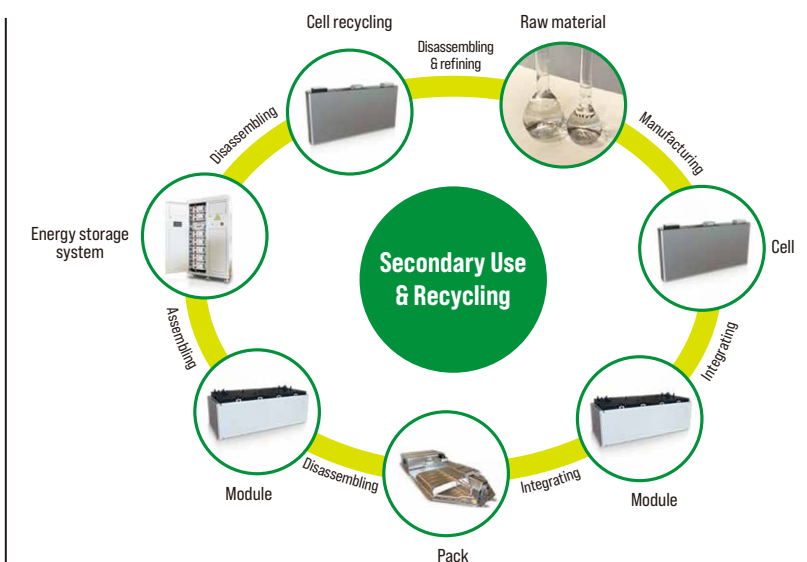
Efficiency

By quick opportunity charging any downtime, such as a lunch break, can be efficiently used and the battery is recharged in a very short period of time. Interim charging does not affect the battery service life.



Safety

- / Intelligent battery management monitoring every important function.
- / Higher user safety, thanks to acid-free use.
- / User friendly due to avoided battery change.
- / No emission of battery gasses.



QUESTION 1

Q: What are the characteristics of lithium batteries, especially when used in high and low temperature environments?

Charging temperature: -30 C -65 C
Discharge temperature: -30 C -65 C
Storage environment temperature: -30 C -65 C

After the truck key switch is closed, the instrument battery condition needs to be checked:

1. Confirm that there is no battery system alarm message on the instrument panel.
2. Please check the remaining power before use. It is recommended to use the SOC between 50% and 100%.
3. If the SOC is lower than 20%, it is not recommended to continue using it. Please charge it as soon as possible.

QUESTION 2

Q: What is the charging time and usage time calculation of forklift lithium battery?

1. Available power of lithium battery (kWh) = rated voltage * rated power * 90% (To avoid over-discharge damaging the battery, the forklift is equipped with low power protection (less than 10%)).
 2. Charging time (h) = rated capacity of lithium battery (Ah) * 90% * charger output current (A).
 3. The power consumed for charging (kWh) = the available power of the lithium battery * 93% (the charging efficiency of the charger is calculated as 93%).
 4. Usage time (h) = available power of lithium battery * energy consumption data.
- For specific energy consumption values, please refer to the technical table on the sharing platform.**

QUESTION 3

Q: How does Hangcha BMS work to ensure the safety of the lithium battery?

HANGCHA BMS (battery management system) can monitor the cells at all times. As a result, hangcha lithium power is the reliable solution.



Battery Safety Management:

- Overcharge / over discharge protection
- Overcurrent / over-temperature / low-temperature protection
- Multi-level fault diagnosis protection
- Double fault monitoring



Battery Parameter Detection:

- Battery voltage detection and analysis
- Battery current detection and analysis
- Battery temperature detection and analysis



Equilibrium Management:

- Equalization based on voltage mode
- Equalization based on time mode
- Equalization based on battery cell SOC
- Active / passive equalization optional



Other Features:

- Low cost, low power consumption
- Historical data record
- Flexible cascade expansion
- CRC data validation

Technical Data

Distinguishing mark	1.1	Manufacturer				HANGCHA GROUP CO.,LTD.			
	1.2	Manufacturer's type designation				CSDS10-XC1	CSDS12-XC1	CSDS14-XC1	CSDS16-XC1
	1.3	Drive				Electric	Electric	Electric	Electric
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker				standing&seated	standing&seated	standing&seated	standing&seated
	1.5	Rated capacity/rated load		Q	lb (kg)	2200[1000]	2645[1200]	3000[1361]	3500[1588]
	1.6	Load centre distance		c	in (mm)	24[600]	24[600]	24[600]	24[600]
	1.8	Load distance, centre of drive axle to fork		x	in(mm)	17.5[445]	17.5[445]	17.5[445]	17.5[445]
	1.9	Wheelbase		y	in (mm)	Table 1	Table 1	Table 1	Table 1
	1.10	Centre of drive wheel / counterweight		z	in (mm)	11[280]	11[280]	11[280]	11[280]
Weight	2.1	Service Weight			lb (kg)	16094[7300]	16094[7300]	16314[7400]	17525[7950]
	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane			in (mm)	polyurethane	polyurethane	polyurethane	polyurethane
Tyres, chassis	3.2	Tyre size, front				Φ 14x8.1[Φ 355x205]	Φ 14x8.1[Φ 355x205]	Φ 14x8.1[Φ 355x205]	Φ 14x8.1[Φ 355x205]
	3.3	Tyre size, rear				Φ 16x6.7[Φ 406x170]	Φ 16x6.7[Φ 406x170]	Φ 16x6.7[Φ 406x170]	Φ 16x6.7[Φ 406x170]
	3.5	Wheels, number front / rear (x = driven wheels)				2/1x	2/1x	2/1x	2/1x
	3.6	Tread, front		b10	in (mm)	49[1245]	49[1245]	49[1245]	49[1245]
	4.2	Height, mast lowered		h1	in (mm)	112[2850]	112[2850]	116[2955]	116[2955]
	4.4	Lift		h3	in (mm)	138[3500]	138[3500]	138[3500]	138[3500]
Dimensions	4.5	Height, mast extended		h4	in (mm)	238[6050]	238[6050]	238[6050]	238[6050]
	4.7	Height of overhead guard (cabin)		h6	in (mm)	100[2550]	100[2550]	100[2550]	100[2550]
	4.8	Standing height		h7	in (mm)	16[410]	16[410]	16[410]	16[410]
	4.11	Auxiliary lift		h9	in (mm)	67[1700]	67[1700]	67[1700]	67[1700]
	4.14	Standing height raised		h12	in (mm)	154[3910]	154[3910]	154[3910]	154[3910]
	4.19	Overall length		l1	in (mm)	Table 1	Table 1	Table 1	Table 1
		Length to face of forks		l2	in (mm)	Table 1	Table 1	Table 1	Table 1
	4.21	Overall width		b1/b2	in (mm)	47.6[1210] / 57[1450]	47.6[1210] / 57[1450]	47.6[1210] / 57[1450]	47.6[1210] / 57[1450]
	4.22	Fork dimensions		s/e/l	in (mm)	2x4.8x45.3[50x122x1150]			
	4.24	Fork-carriage width		b3	in (mm)	34.6[880]	34.6[880]	34.6[880]	34.6[880]
	4.25	Distance between fork-arms		b5	in (mm)	33.5[850]	33.5[850]	33.5[850]	33.5[850]
	4.29	Reach, sideways			in (mm)	51[1300]	51[1300]	51[1300]	51[1300]
	4.31	Ground clearance, laden, below mast		m1	in (mm)	3.2[80]	3.2[80]	3.2[80]	3.2[80]
	4.32	Ground clearance, centre of wheelbase		m2	in (mm)	3.2[80]	3.2[80]	3.2[80]	3.2[80]
	4.35	Turning radius		Wa	in (mm)	Table 1	Table 1	Table 1	Table 1
	4.38.1	Total lift		h3+h9	in (mm)	205[5200]	205[5200]	205[5200]	205[5200]
	4.38.2	Order picking height			in (mm)	217[5510]	217[5510]	217[5510]	217[5510]
4.38.7	Inner clear height of operator compartmen			in (mm)	83.5[2120]	83.5[2120]	83.5[2120]	83.5[2120]	
Performance data	5.1	Travel speed, laden/unladen			mph(km/h)	7.2/7.5[11.5/12]	7.2/7.5[11.5/12]	6.9/7.5[11/12]	6.5/7.5[10.5/12]
	5.2	Lift speed, laden/unladen			fpm(m/s)	104.3/120[0.53/0.61]	104.3/120[0.53/0.61]	102.4/120[0.52/0.61]	102.4/120[0.52/0.61]
	5.3	Lowering speed, laden/unladen			fpm(m/s)	88.6/98.5[0.45/0.5]	88.6/98.5[0.45/0.5]	88.6/98.5[0.45/0.5]	88.6/98.5[0.45/0.5]
	5.4	Traverse speed,laden/unladen			fpm(m/s)	37.4/39.4[0.19/0.2]	37.4/39.4[0.19/0.2]	37.4/39.4[0.19/0.2]	37.4/39.4[0.19/0.2]
	5.7	Gradeability, laden/unladen			%	5	5	5	5
	5.10	Service brake				Electric	Electric	Electric	Electric
	5.11	Parking brake				Electric	Electric	Electric	Electric
Electric-engine	6.1	Drive motor rating S2 60 min			hp(kW)	10.7[8]	10.7[8]	10.7[8]	10.7[8]
	6.2	Lift motor rating at S3 15%			hp(kW)	36.2[27]	36.2[27]	36.2[27]	36.2[27]
	6.4	Battery voltage, nominal capacity K5 "A"			V/Ah	80/420	80/465	80/465	80/620
	6.5	Battery weight			lb (kg)	Table 1	Table 1	Table 1	Table 1
		Battery dimensions		l/b/h	in (mm)	Table 1	Table 1	Table 1	Table 1
		Max. battery weight			lb (kg)	Table 1	Table 1	Table 1	Table 1
		Min. battery weight			lb (kg)	Table 1	Table 1	Table 1	Table 1
Addition data	8.1	Type of drive control				AC	AC	AC	AC
	8.4	Sound pressure level at operator's ear as per EN 12053			db[A]	65	65	65	65
	8.6	Steering				Electric	Electric	Electric	Electric

Table 1

Battery and compartment size			1.0t	1.0/1.2/1.4t	1.4/1.6t	1.6t	1.0/1.2t	1.0/1.2/1.4t	1.6t	1.6t
6.4	Battery Voltage		V		80		80.5		80.5	
	Battery Type		Lead-acid		Lead-acid		Lithium		Lithium	
	Battery capacity maximum 5 Hr Rate		Ah		420		346		906	
	Battery Compartment		"X" Max.	in (mm)	40.5[1028]	40.5[1028]	40.5[1028]	40.5[1028]	40.5[1028]	40.5[1028]
			"Y" Max.	in (mm)	24.1[611]	24.1[611]	28[711]	24.1[611]	24.1[611]	32.7[830]
			"Z" Max.	in (mm)	30.4[772]	30.4[772]	30.4[772]	28.8[732]	28.8[732]	27.4[695]
6.5	Minimum Batt.Wt.		lb(kg)		2407[1092]		1069[485]		1433[650]	
	Maximum Batt.Wt.		lb(kg)		2663[1208]		1135[515]		1520[690]	
1.9	Wheelbase		y (in\mm)		72.8[1850]		72.8[1850]		81.5[2070]	
4.19	Overall length		l1 (in\mm)		144.2[3665]		144.2[3665]		153[3885]	
4.20	Length to face of forks		l2 (in\mm)		133[3380]		133[3380]		141.7[3600]	
4.35	Turning Radius		Wa (in\mm)		83.85[2130]		83.85[2130]		92.5[2350]	

Technical Data

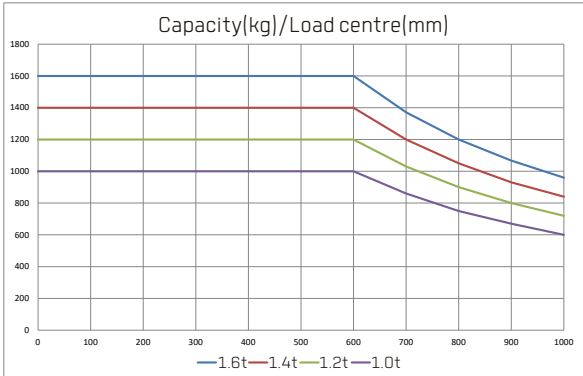
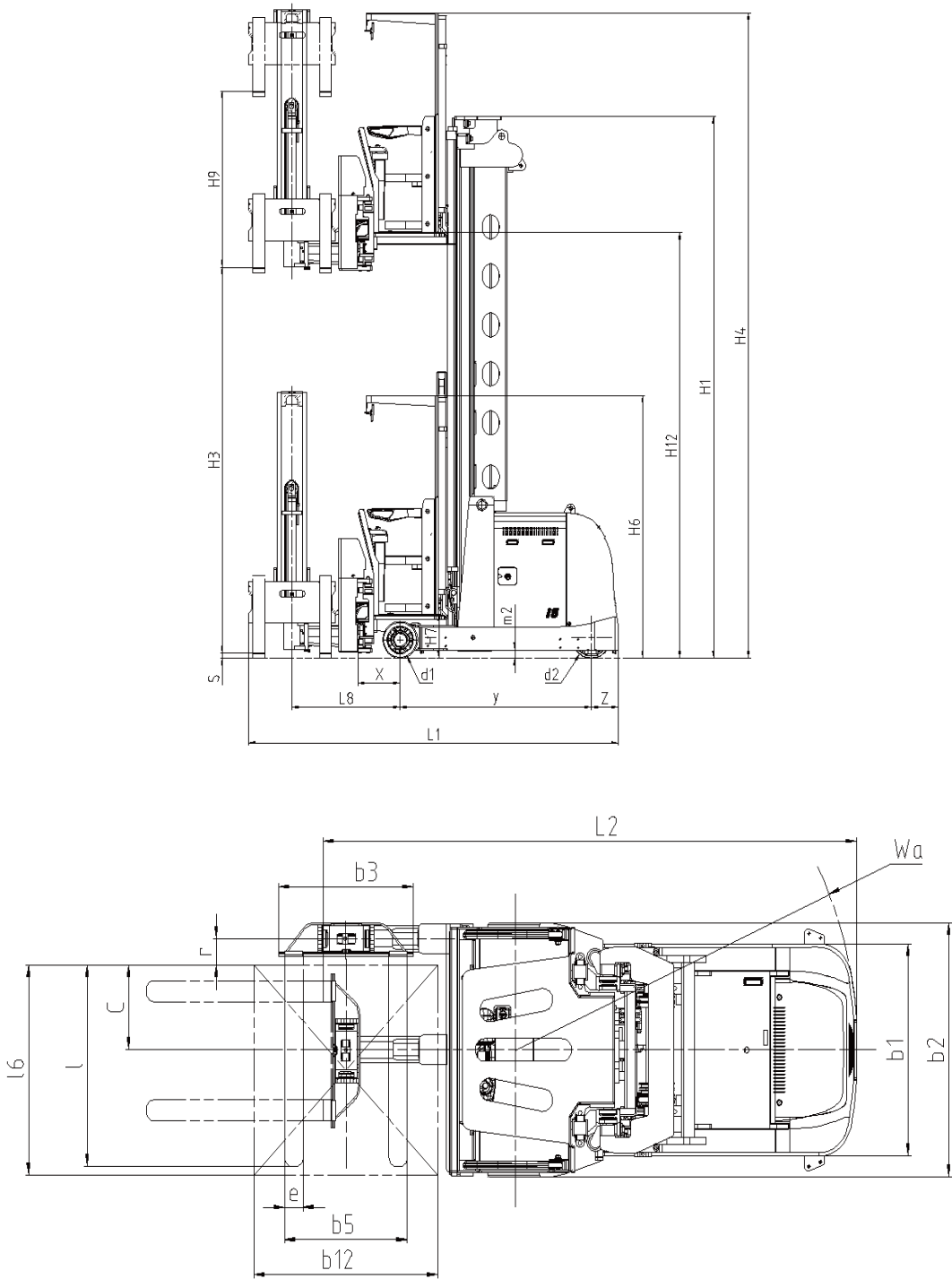
Distinguishing mark	1.1	Manufacturer				HANGCHA GROUP CO.,LTD.			
	1.2	Manufacturer's type designation				CSDS10-XC1-I	CSDS12-XC1-I	CSDS14-XC1-I	CSDS16-XC1-I
	1.3	Drive				Electric	Electric	Electric	Electric
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker				standing&seated	standing&seated	standing&seated	standing&seated
	1.5	Rated capacity/rated load		Q	lb (kg)	2200[1000]	2645[1200]	3000[1361]	3500[1588]
	1.6	Load centre distance		c	in (mm)	24[600]	24[600]	24[600]	24[600]
	1.8	Load distance, centre of drive axle to fork		x	in(mm)	17.5[445]	17.5[445]	17.5[445]	17.5[445]
	1.9	Wheelbase		y	in (mm)	Table 1	Table 1	Table 1	Table 1
	1.10	Centre of drive wheel / counterweight		z	in (mm)	11[280]	11[280]	11[280]	11[280]
Weight	2.1	Service Weight			lb (kg)	16094[7300]	16094[7300]	16314[7400]	17525[7950]
	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane			in (mm)	polyurethane	polyurethane	polyurethane	polyurethane
Tyres, chassis	3.2	Tyre size, front				Φ14x8.1[Φ355x205]	Φ14x8.1[Φ355x205]	Φ14x8.1[Φ355x205]	Φ14x8.1[Φ355x205]
	3.3	Tyre size, rear				Φ16x6.7[Φ406x170]	Φ16x6.7[Φ406x170]	Φ16x6.7[Φ406x170]	Φ16x6.7[Φ406x170]
	3.5	Wheels, number front / rear [x = driven wheels]				2/1x	2/1x	2/1x	2/1x
	3.6	Tread, front		b10	in (mm)	49[1245]	49[1245]	49[1245]	49[1245]
	4.2	Height, mast lowered		h1	in (mm)	112[2850]	112[2850]	116[2955]	116[2955]
	4.4	Lift		h3	in (mm)	138[3500]	138[3500]	138[3500]	138[3500]
Dimensions	4.5	Height, mast extended		h4	in (mm)	238[6050]	238[6050]	238[6050]	238[6050]
	4.7	Height of overhead guard (cabin)		h6	in (mm)	100[2550]	100[2550]	100[2550]	100[2550]
	4.8	Standing height		h7	in (mm)	16[410]	16[410]	16[410]	16[410]
	4.11	Auxiliary lift		h9	in (mm)	67[1700]	67[1700]	67[1700]	67[1700]
	4.14	Standing height raised		h12	in (mm)	154[3910]	154[3910]	154[3910]	154[3910]
	4.19	Overall length		l1	in (mm)	Table 1	Table 1	Table 1	Table 1
		Length to face of forks		l2	in (mm)	Table 1	Table 1	Table 1	Table 1
	4.21	Overall width		b1/b2	in (mm)	47.6[1210] / 57[1450]	47.6[1210] / 57[1450]	47.6[1210] / 57[1450]	47.6[1210] / 57[1450]
	4.22	Fork dimensions		s/e/l	in (mm)	2x4.8x45.3[50x122x1150]			
	4.24	Fork-carriage width		b3	in (mm)	34.6[880]	34.6[880]	34.6[880]	34.6[880]
	4.25	Distance between fork-arms		b5	in (mm)	33.5[850]	33.5[850]	33.5[850]	33.5[850]
	4.29	Reach, sideways			in (mm)	51[1300]	51[1300]	51[1300]	51[1300]
	4.31	Ground clearance, laden, below mast		m1	in (mm)	3.2[80]	3.2[80]	3.2[80]	3.2[80]
	4.32	Ground clearance, centre of wheelbase		m2	in (mm)	3.2[80]	3.2[80]	3.2[80]	3.2[80]
	4.35	Turning radius		Wa	in (mm)	Table 1	Table 1	Table 1	Table 1
	4.38.1	Total lift		h3+h9	in (mm)	205[5200]	205[5200]	205[5200]	205[5200]
	4.38.2	Order picking height			in (mm)	217[5510]	217[5510]	217[5510]	217[5510]
4.38.7	Inner clear height of operator compartmen			in (mm)	83.5[2120]	83.5[2120]	83.5[2120]	83.5[2120]	
Performance data	5.1	Travel speed, laden/unladen			mph(km/h)	7.2/7.5[11.5/12]	7.2/7.5[11.5/12]	6.9/7.5[11/12]	6.5/7.5[10.5/12]
	5.2	Lift speed, laden/unladen			fpm(m/s)	104.3/120[0.53/0.61]	104.3/120[0.53/0.61]	104.3/120[0.53/0.61]	102.4/120[0.52/0.61]
	5.3	Lowering speed, laden/unladen			fpm(m/s)	88.6/98.5[0.45/0.5]	88.6/98.5[0.45/0.5]	88.6/98.5[0.45/0.5]	88.6/98.5[0.45/0.5]
	5.4	Traverse speed,laden/unladen			fpm(m/s)	37.4/39.4[0.19/0.2]	37.4/39.4[0.19/0.2]	37.4/39.4[0.19/0.2]	37.4/39.4[0.19/0.2]
	5.7	Gradeability, laden/unladen			%	5	5	5	5
	5.10	Service brake				Electric	Electric	Electric	Electric
	5.11	Parking brake				Electric	Electric	Electric	Electric
Electric-engine	6.1	Drive motor rating S2 60 min			hp(kW)	10.7[8]	10.7[8]	10.7[8]	10.7[8]
	6.2	Lift motor rating at S3 15%			hp(kW)	36.2[27]	36.2[27]	36.2[27]	36.2[27]
	6.4	Battery voltage, nominal capacity K5 "A"			V/Ah	80.5/346	80.5/346	80.5/604	80.5/604
	6.5	Battery weight			lb (kg)	Table 1	Table 1	Table 1	Table 1
		Battery dimensions		l/b/h	in (mm)	Table 1	Table 1	Table 1	Table 1
		Max. battery weight			lb (kg)	Table 1	Table 1	Table 1	Table 1
		Min. battery weight			lb (kg)	Table 1	Table 1	Table 1	Table 1
Addition data	8.1	Type of drive control				AC	AC	AC	AC
	8.4	Sound pressure level at operator's ear as per EN 12053			db(A)	65	65	65	65
	8.6	Steering				Electric	Electric	Electric	Electric

1.0-1.2t Mast Specification

Type	Total height h3 + h9 + s	Lift h3	Auxiliary Lift h9	Free lift h2 + h9	Height mast lowered h1	Height, mast extended h4	Load capacity @600mm/24inch	
							1.0t	1.2t
Wide view duplex mast	mm	mm	mm	mm	mm	mm	kg	kg
	5200	3500	1700	1700	2850	6050	1000	1200
	5700	4000	1700	1700	3100	6550	1000	1200
	6200	4500	1700	1700	3350	7050	1000	1200
	6700	5000	1700	1700	3600	7550	1000	1200
Full free triplex mast	7200	5500	1700	1700	3850	8050	1000	1200
	7700	6000	1700	2300	3150	8550	1000	1200
	8200	6500	1700	2475	3325	9050	1000	1200
	8700	7000	1700	2650	3500	9550	1000	1000
	9200	7500	1700	2825	3675	10050	850	850
	9700	8000	1700	3000	3850	10550	600	600
	10200	8500	1700	3175	4025	11050	500	500

1.4-1.6t Mast Specification

Type	Total height h3 + h9 + s	Lift h3	Auxiliary Lift h9	Free lift h2 + h9	Height mast lowered h1	Height, mast extended h4	Load capacity @600mm/24inch	
							1.4t	1.6t
Wide view duplex mast	mm	mm	mm	mm	mm	mm	kg	kg
	5200	3500	1700	1700	2955	6050	1400	1600
	5700	4000	1700	1700	3205	6550	1400	1600
	6200	4500	1700	1700	3455	7050	1400	1600
	6700	5000	1700	1700	3705	7550	1400	1600
	7200	5500	1700	1700	3955	8050	1300	1600
	7700	6000	1700	1700	4205	8550	1250	1600
	8200	6500	1700	1700	4555	9050	1200	1550
Full free triplex mast	8700	7000	1700	1700	4805	9550	1000	1450
	7200	5500	1700	2245	3095	8050	1300	1600
	7700	6000	1700	2445	3295	8550	1250	1600
	8200	6500	1700	2645	3495	9050	1200	1600
	8700	7000	1700	2845	3695	9550	1000	1500
	9200	7500	1700	3045	3895	10050	850	1450
	9700	8000	1700	3245	4095	10550	600	1350
	10200	8500	1700	3445	4295	11050	500	1300
	10700	9000	1700	3645	4495	11550	-	1200
	11200	9500	1700	3845	4695	12050	-	1100
	11700	10000	1700	4025	4875	12550	-	1000
	12200	10500	1700	4195	5045	13050	-	900
	12700	11000*	1700	4365	5215	13550	-	850
	13200	11500*	1700	4545	5395	14050	-	800
	13700	12000*	1700	4715	5565	14550	-	750
	14200	12500*	1700	4900	5750	15050	-	700
	14700	13000*	1700	5100	5950	15550	-	650



Load centre	1.6t	1.4t	1.2t	1.0t
0	1600	1400	1200	1000
100	1600	1400	1200	1000
200	1600	1400	1200	1000
300	1600	1400	1200	1000
400	1600	1400	1200	1000
500	1600	1400	1200	1000
600	1600	1400	1200	1000
700	1371	1200	1030	860
800	1200	1050	900	750
900	1067	930	800	670
1000	960	840	720	600

Features

Truck	Standard	Options
Stand-on & sit-on	●	
Potential energy recovery gear pump	●	
Lateral battery removal	●	
Polyurethane tyres	●	
Main/supplementary lift synchronized lifting/lowering	●	
Synchronous reach and rotate of forks outside aisle	●	
Central sideshift	●	
Chain slack warning	●	
Various battery capacities		○
Various fork dimensions		○
Various mast height configurations		○
Fan		○
24V power outlet		○
USB charging port		○
Synchronous reach and rotate of forks in aisle		○
Roller guidance		○
Controls and instruments		
AC motor and controller	●	
Electro-hydraulic proportional valve system	●	
Dual-handle operation	●	
Multi-function combination instrument	●	
Height display	●	
Height selection	●	
Electric steering system	●	
Rear view camera		○
Magnetic tape guidance		○
Wire guidance		○
FIMS		○
Safety		
Barrier switch	●	
Horn	●	
Reversing buzzer	●	
Operator safety tether	●	
Electromagnetic parking brake on all wheels	●	
Security operating system	●	
Travelling speed control during lifting	●	
Travelling speed control at corner	●	
Fire extinguisher		○
Lights		
Warning light	●	
Cabin LED reading light	●	
Cabin LED side roof light	●	
Laser line projection light		○
Blue spot light		○

CONFIDENCE
AT HEIGHT

