MATERIAL HANDLING SOLUTIONS
Via Buffalora, 3 – 25135 Brescia
info@mhs.srl · www.mhs.srl

		Standard	Options
1	Color	Green black	Other customized color
2	Particular market	/	CE Standard
3	Cold storage environment	/	-30°C
4	Mast	Standard duplex mast	Configuration Table of the Mast
5	Fork and attachment	Standard fork Fork arm carrier Load backrest	Non-standard series fork Various attachments
6	Tires	Solid tire - single (6-8t) Solid tire - dual (above 8-10t)	Solid tire - dual (6-8t)
7	Multiway valve	Double multi-way valve (load-sensitive) Lifting potentiometer	Triple valve (load-sensitive) Quadruple valve (load-sensitive) Quintuple valve (load-sensitive)
8	Tiller	Lifting and tilting manual level	Fingertip system
9	Battery	Standard lithium battery (national standard,dual-charging,built-in) Battery removed sideways	Large-capacity lithium battery (national standard,dual-charging,built-in)
10	Light	LED front combination headlamp LED rear combination lamp	Common alarm lamp Acoustic and optical alarm lamp LED rear lamp Blue light Straight projection lamp
11	Horn	Electric horn Reverse buzzer Right rear armrest with horn button	/
12	Smart module	/	FIMS(Fleet intelligent management system)
13	Safety configuration	Turning deceleration Emergency power-off switch Fuse box Descending buffering	Reversing radar Front /front and rear driving recorder OPS sensing system Fire extinguisher Ascending buffering
14	Instrument rack space	Smart color-screen instrument (speed mode selection) Combination switch USB port Storage box	Cigarette lighter Electronic code lock (start by swiping a card) Fingerprint lock
15	Driving space	Standard overhead guard Central rear view mirror PVC ceiling	Front windshield Cab Electric fan Left and right rear view mirrors
16	Chair	Standard seat	Fully-suspended seat Semi-suspended seat
17	Other standard configuration	Driving and lifting (-2) controllers Driving and lifting (-2) motors Silent gear pump (-2) Charging valve+ accumulator Oil return filter Pedal pad Traction pin Integral stamped side panel and hood	/

Battery Capacity 96V

	Capacity(Ah)	6.0-8.0t	8t@L.C,900mm, 9-10t
EVE	690	●	/
	920	○	●
	1216	/	○
CATL	684	○	/
	906	○	○
	1208	/	○

Note: ● Standard ; ○ Optional

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.



XC SERIES

4-W ELECTRIC FORKLIFT TRUCK
WITH LITHIUM POWER

With capacity of 6,000 to 10,000kg

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Download "Hangcha Forklift" App

ISO45001:2018

ISO14001:2015

ISO9001:2015

HANGCHA trucks conform to the European Safety Requirements.



XC SERIES

4-W ELECTRIC FORKLIFT TRUCK WITH LITHIUM POWER

LI-ION TECHNOLOGY
INNOVATIVE LITHIUM-ION

forklift's "lithium battery special structure", and offer two platforms, the classic "AC Asynchronous" and the leading "permanent magnet synchronous". Following the family design of electric forklifts, they are optimized mainly on the overall performance, ergonomics, reliability, maintenance, outdoor operation ability and load capacity in a bid to meet customers' use scenarios of traditional electric forklifts.

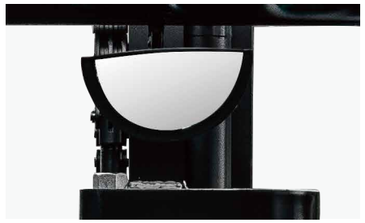


COMFORTABLE EXPERIENCE

- With the advantages of special lithium battery architecture, this ergonomically designed forklift has a more compact body and enables a wide view and a large operation space.
- Standard load-sensitive multi-way valve and lifting potentiometer supplied boasts good energy-saving effect, **20% reduction** of the manoeuvring force, and improved inching performance.



The three-step pedal with optimized height and lengthened handrail is easier to get on and off the forklift.



Standard panoramic rear view mirror and reverse horn button on the armrest reversing armrest horn allow more comfortable backward operation.



Smart color-screen instrument with built-in view and adjustment function of main parameters is convenient for maintenance and fine-tuning.



MAINTENANCE

Counterweight cover can be dismounted without a tool, and a wide-open hood allows all maintenance parts to be shown clearly





ENERGY-SAVING AND EFFICIENT

- The leading "permanent magnet synchronous system" (Y2 model) provided can effectively reduce energy consumption and improve endurance.
- Hydraulic lifting, with a strong power system, adopts dual-pump merging technology , which comprehensively improves the performance of the forklift.



The charging port adopts door-in-door design with standard quick-change battery, convenient for charging and replacing the battery.



The lithium battery with a standard dual-gun fast charging port and a dual-gun charger can efficiently replenish energy.

BETTER SAFE THAN SORRY

SAFE AND RELIABLE

- Standard turning deceleration, reducing the turning radius, can realize flexible shuttle, and more stable operation;
- Two independent cooling air ducts ensure that the forklift works efficiently for a long time;
- The whole forklift under IPX4 level protection with a lithium battery having a standard electric heating module can guarantee normal operation in cold/stormy weather;

IPX4 WATERPROOF



The standard descending lock function (China) can disable the descending function when the driver leaves the seat and enable high safety.

High load capacity design, not prone to upwarp, allows work more stably;



FIMS
FLEET INTELLIGENT MANAGEMENT SYSTEM

MOBILE SOLUTION PROVIDING A MOBILE APPLICATION

KEEP AN EYE ON EVERYTHING

Hangcha FIMS is a system that provides you with real-time information about forklift truck and driver. Whether you have dozens or hundreds of forklift trucks across multiple sites, you can get access to collecting, monitoring and evaluating all the fleet data at anytime and anywhere.

Features

- *Access Control*
- *GPS Tracking*
- *Remote Monitoring*
- *Maintenance Reminder*
- *Vehicle Management*
- *Vibration Monitoring*
- *Pre-shift Check (Optional)*
- *Shift Management (Optional)*
- *OpenAPI (Optional)*

LI-ION TECHNOLOGY

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

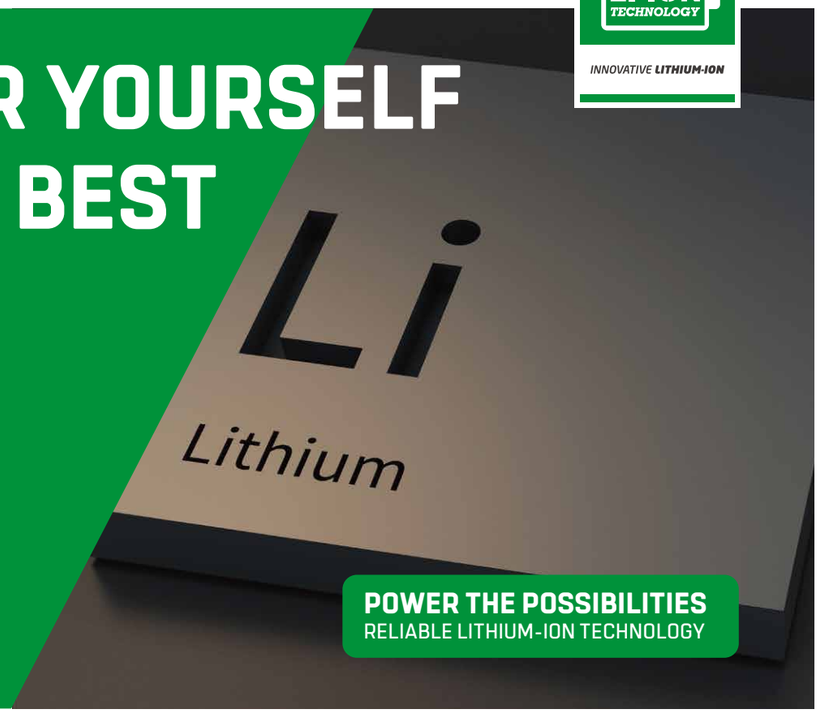
6 YEARS WARRANTY

LITHIUM POWERED

LI-ION TECHNOLOGY

INNOVATIVE LITHIUM-ION

EMPOWER YOURSELF WITH THE BEST



V96 LITHIUM ION

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.

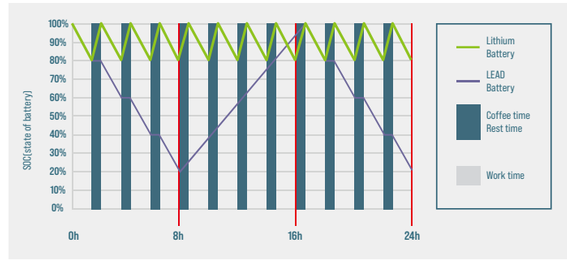
High safety and reliability
Intelligent battery management monitoring every important function, no emission of battery gasses.

Opportunity charging
Full performance during several shifts thanks to effective interim charging.

FEATURES & BENEFITS
THE HANGCHA DIFFERENCE

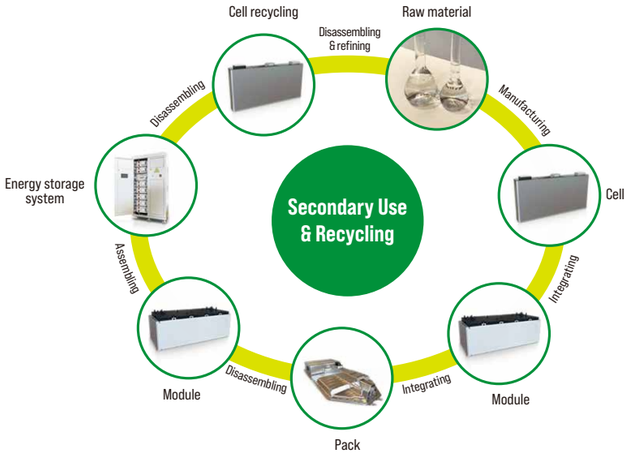
Efficiency

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℃-65℃
Discharge temperature:	-30℃-65℃
Storage environment temperature:	-30℃-65℃

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



6.0-8.0t Mast Specification

Type	Model			Lifting height	Lowered overall height		Overall height					Free lift height					Tilt range	Capacity (Mast vertical to ground)					
							Without backrest			With backrest		Without backrest			With backrest		FWD/RWD	Load Capacity at 600mm					
																		Single Tire			Double tire		
					6/7t	8t	6t	7t	8t	6/7t	8t	6t	7t	8t	6/7t	8t		6.0t	7.0t	8.0t	6.0t	7.0t	8.0t
	6t	7t	8t	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	(°)	kg	kg	kg	kg	kg	kg
Duplex wide view mast	JG50M250	XP70M250	XP80M250	2500	2250	2400	3495	3667	3817	3907	3907	160	160	175	160	175	5/10	6000	7000	8000	6000	7000	8000
	JG50M270	XP70M270	XP80M270	2700	2350	2500	3695	3867	4017	4107	4107	160	160	175	160	175	5/10	6000	7000	8000	6000	7000	8000
	JG50M300	XP70M300	XP80M300	3000	2500	2650	3995	4167	4317	4407	4407	160	160	175	160	175	5/10	6000	7000	8000	6000	7000	8000
	JG50M330	XP70M330	XP80M330	3300	2650	2800	4295	4467	4617	4707	4707	160	160	175	160	175	5/10	6000	7000	8000	6000	7000	8000
	JG50M360	XP70M360	XP80M360	3600	2800	3000	4595	4767	4917	5007	5007	160	160	175	160	175	5/10	6000	7000	8000	6000	7000	8000
	JG50M400	XP70M400	XP80M400	4000	3000	3200	4995	5167	5317	5407	5407	160	160	175	160	175	5/10	6000	7000	8000	6000	7000	8000
	JG50M430	XP70M430	XP80M430	4300	3200	3300	5300	5467	5617	5707	5707	160	160	175	160	175	5/8	6000	7000	8000	6000	7000	8000
	JG50M450	XP70M450	XP80M450	4500	3300	3450	5500	5667	5817	5907	5907	160	160	175	160	175	5/8	6000	7000	8000	6000	7000	8000
	JG50M480	XP70M480	XP80M480	4800	3450	3550	5800	5967	6117	6207	6207	160	160	175	160	175	5/8	5800	6700	7700	5900	6800	7800
	JG50M500	XP70M500	XP80M500	5000	3550	3850	6000	6167	6317	6407	6407	160	160	175	160	175	5/8	5700	6500	7500	5800	6700	7700
	JG50M550	XP70M550	XP80M550	5500	3850	4100	6550	6667	6817	6907	6907	160	160	175	160	175	5/8	5400	6200	7200	5700	6500	7500
	JG50M600	XP70M600	XP80M600	6000	4100	4350	7050	7167	7317	7407	7407	160	160	175	160	175	5/8	5000	5900	6900	5400	6200	7200
Duplex full-free mast	JG50U300	JG70U300	JG80U300	3000	2450	2600	3955	4115	4265	4137	4265	1495	1335	1335	1313	1335	5/10	6000	7000	8000	6000	7000	8000
	JG50U330	JG70U330	JG80U330	3300	2600	2750	4255	4415	4565	4437	4565	1645	1485	1485	1463	1485	5/10	6000	7000	8000	6000	7000	8000
	JG50U360	JG70U360	JG80U360	3600	2750	2900	4555	4715	4865	4737	4865	1795	1635	1635	1613	1635	5/10	6000	7000	8000	6000	7000	8000
	JG50U400	JG70U400	JG80U400	4000	2950	3100	4955	5115	5265	5137	5265	1995	1835	1835	1813	1835	5/10	6000	7000	8000	6000	7000	8000
Triplex full-free mast	JG50N450	XP70N450	XP80N450	4500	2725	2725	5735	5735	5862	5907	5907	1500	1500	1373	1328	1328	5/8	5700	6700	7600	5800	7000	8000
	JG50N480	XP70N480	XP80N480	4800	2825	2825	6035	6035	6162	6207	6207	1600	1600	1473	1428	1428	5/8	5600	6600	7500	5700	6700	7700
	JG50N500	XP70N500	XP80N500	5000	2875	2875	6213	6213	6362	6407	6407	1672	1672	1523	1478	1478	5/8	5500	6400	7400	5600	6600	7600
	JG50N550	XP70N550	XP80N550	5500	3075	3075	6785	6785	6862	6907	6907	1800	1800	1723	1678	1678	5/8	5300	6200	7200	5500	6400	7400
	JG50N600	XP70N600	XP80N600	6000	3225	3225	7235	7235	7362	7407	7407	2000	2000	1873	1828	1828	5/8	5200	5800	6800	5400	6000	7000
	JG50N650	XP70N650	XP80N650	6500	3375	3375	7713	7713	7862	7907	7907	2172	2172	2023	1978	1978	5/8	4400	4900	5900	4600	5100	6100
	JG50N700	XP70N700	XP80N700	7000	3675	3675	8385	8385	8385	8407	8407	2300	2300	2300	2278	2278	5/8	3600	3800	5000	4000	4200	5200

6-8t:Height of standard load backrest is 1270mm.

8t@900mm-10t@600mm Mast Specification

Type	Model		Lifting height	Lowered overall height	Overall height			Free lift height		Tilt range	Capacity (Mast vertical to ground)		
					Without backrest		With backrest	Without backrest	With backrest	FWD/RWD	Load Capacity at 600mm		
											Double tire		
					8t@900mm	9/10t					8t@900mm	9.0t	10t
	8t@900mm	9/10t	mm	mm	mm	mm	mm	mm	mm	(°)	kg	kg	kg
Duplex wide view mast	XCPL80M250	XCP100M250	2500	2450	3894	3894	4030	200	200	5/8	8000	9000	10000
	XCPL80M270	XCP100M270	2700	2550	4094	4094	4230	200	200	5/8	8000	9000	10000
	XCPL80M300	XCP100M300	3000	2700	4394	4394	4530	200	200	5/10	8000	9000	10000
	XCPL80M330	XCP100M330	3300	2850	4694	4694	4830	200	200	5/10	8000	9000	10000
	XCPL80M360	XCP100M360	3600	3000	4994	4994	5130	200	200	5/10	8000	9000	10000
	XCPL80M400	XCP100M400	4000	3200	5394	5394	5530	200	200	5/10	8000	9000	10000
	XCPL80M430	XCP100M430	4300	3400	5694	5694	5830	200	200	5/8	8000	9000	10000
	XCPL80M450	XCP100M450	4500	3500	5894	5894	6030	200	200	5/8	7800	8500	9500
	XCPL80M480	XCP100M480	4800	3650	6194	6194	6330	200	200	5/8	7600	8400	9400
	XCPL80M500	XCP100M500	5000	3750	6394	6400	6530	200	200	5/8	7400	8300	9300
	XCPL80M550	XCP100M550	5500	4050	6894	6894	7030	200	200	5/8	7200	8100	9100
	XCPL80M600	XCP100M600	6000	4300	7394	7394	7530	200	200	5/8	6900	7700	8700
Duplex full-free mast	XCPL80U300	XCP100U300	3000	2700	4390	4390	4520	1310	1180	5/10	8000	9000	10000
	XCPL80U330	XCP100U330	3300	2850	4690	4690	4820	1460	1330	5/10	8000	9000	10000
	XCPL80U360	XCP100U360	3600	3000	4990	4990	5120	1610	1480	5/10	8000	9000	10000
	XCPL80U400	XCP100U400	4000	3200	5390	5390	5520	1810	1680	5/10	8000	9000	10000
Triplex full-free mast	XCPL80N450	XCP100N450	4500	2850	6055	6055	6055	1305	1305	5/8	7600	8600	9600
	XCPL80N480	XCP100N480	4800	2950	6355	6355	6355	1405	1405	5/8	7500	8200	9200
	XCPL80N500	XCP100N500	5000	3050	6555	6555	6555	1505	1505	5/8	7400	8000	9000
	XCPL80N550	XCP100N550	5500	3200	7055	7055	7055	1655	1655	5/8	7200	7900	8900
	XCPL80N600	XCP100N600	6000	3350	7555	7555	7555	1805	1805	5/8	6800	7500	8500
	XCPL80N650	XCP100N650	6500	3630	8055	8055	8055	2085	2085	5/8	6000	6500	7500
	XCPL80N700	XCP100N700	7000	3800	8555	8555	8555	2255	2255	5/8	5500	6000	7000

8@900mm-10t:Height of standard load backrest is 1393mm.

Technical data

Distinguishing mark	1.1	Manufacturer													
	1.2	Manufacturer's type designation		CPD60-XCY2-SI	CPD70-XCY2-SI	CPD80-XCY2-SI	CPD80-XCLY2-SI	CPD90-XCY2-SI	CPD100-XCY2-SI	CPD60-XCD4-SI	CPD70-XCD4-SI	CPD80-XCD4-SI	CPD80-XCLD4-SI	CPD90-XCD4-SI	CPD100-XCD4-SI
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated
	1.5	Rated capacity/rated load	kg	6000	7000	8000	8000	9000	10000	6000	7000	8000	8000	9000	10000
	1.6	Load centre distance	c (mm)	600	600	600	900	600	600	600	600	600	900	600	600
	1.8	Load distance, centre of drive axle to fork	x (mm)	598.5	603.5	623.5	640.5	640.5	640.5	598.5	603.5	623.5	640.5	640.5	640.5
	1.9	Wheelbase	y (mm)	2250	2250	2250	2500	2500	2500	2250	2250	2250	2500	2500	2500
Weight	2.1	Service Weight	kg	9700	10900	12100	13500	13050	13750	9700	10900	12100	13500	13050	13750
	2.2	Axle loading, laden front/rear	kg	13800/1900	15700/2200	17700/2400	18900/2600	19650/2400	21250/2500	13800/1900	15700/2200	17700/2400	18900/2600	19650/2400	21250/2500
	2.3	Axle loading, unladen front/rear	kg	4500/5200	4900/6000	5340/6760	5910/7590	6150/6900	6290/7460	4500/5200	4900/6000	5340/6760	5910/7590	6150/6900	6290/7460
Tyres, chassis	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid
	3.2	Tyre size, front		355/50-20	355/50-20	355/50-20	8.25-15	8.25-15	300-15	355/50-20	355/50-20	355/50-20	8.25-15	8.25-15	300-15
	3.3	Tyre size, rear		250-15	250-15	250-15	300-15	300-15	300-15	250-15	250-15	250-15	300-15	300-15	300-15
	3.5	Wheels, number front / rear (x = driven wheels)		2x/2	2x/2	2x/2	4x/2	4x/2	4x/2	2x/2	2x/2	2x/2	4x/2	4x/2	4x/2
	3.6	Tread, front	b_{10} (mm)	1623	1623	1623	1529	1529	1582	1623	1623	1623	1529	1529	1582
	3.7	Tread, rear	b_{11} (mm)	1464.5	1464.5	1464.5	1536.5	1536.5	1536.5	1464.5	1464.5	1464.5	1536.5	1536.5	1536.5
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	a/b (°)	5/10	5/10	5/10	5/10	5/10	5/10	5/10	5/10	5/10	5/10	5/10	5/10
	4.2	Height, mast lowered	h_1 (mm)	2500	2500	2650	2700	2700	2700	2500	2500	2650	2700	2700	2700
	4.3	Free lift	h_2 (mm)	160	160	175	200	200	200	160	160	175	200	200	200
	4.4	Lift	h_3 (mm)	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
	4.5	Height, mast extended	h_4 (mm)	4407	4407	4407	4530	4530	4530	4407	4407	4407	4530	4530	4530
	4.7	Height of overhead guard (Cabin)	h_6 (mm)	2500(2565)	2500(2565)	2500(2565)	2500(2565)	2500(2565)	2500(2565)	2500(2565)	2500(2565)	2500(2565)	2500(2565)	2500(2565)	2500(2565)
	4.8	Seat height/stand height	h_7 (mm)	1504	1504	1504	1504	1504	1504	1504	1504	1504	1504	1504	1504
	4.12	Coupling height	h_{10} (mm)	580	580	580	630	630	630	580	580	580	630	630	630
	4.19	Overall length	l_1 (mm)	4535	4535	4535	5440	4840	4840	4535	4535	4535	5440	4840	4840
	4.20	Length to face of forks	l_2 (mm)	3310	3315	3335	3640	3640	3640	3310	3315	3335	3640	3640	3640
	4.21	Overall width(single/dual front tyres)	b_1/b_2 (mm)	1946/2006	1946/2006	1946/2006	-/2068	-/2068	-/2160	1946/2006	1946/2006	1946/2006	-/2068	-/2068	-/2160
	4.22	Fork dimensions	s / e / l (mm)	60/150/1200	65/150/1200	65/200/1200	80/200/1800	80/170/1200	80/170/1200	60/150/1200	65/150/1200	65/200/1200	80/200/1800	80/170/1200	80/170/1200
	4.23	Fork carriage ISO 2328, class/type A,B		ISO2328 4A	ISO2328 4A	ISO2328 4A	ISO2328 4A	ISO2328 5A	ISO2328 5A	ISO2328 4A	ISO2328 4A	ISO2328 4A	ISO2328 4A	ISO2328 5A	ISO2328 5A
	4.24	Fork-carriage width	b_3 (mm)	1700	1700	1700	1800	1800	1800	1700	1700	1700	1800	1800	1800
	4.31	Ground clearance, laden, below mast	m_1 (mm)	200	200	200	200	200	200	200	200	200	200	200	200
	4.32	Ground clearance, centre of wheelbase	m_2 (mm)	210	210	210	210	210	210	210	210	210	210	210	210
	4.34.1	Aisle width for pallets 1000 x 1200 crossways	A_{st} (mm)	4938.5	4943.5	4963.5	5190.5	5190.5	5190.5	4938.5	4943.5	4963.5	5190.5	5190.5	5190.5
	4.34.2	Aisle width for pallets 800 x 1200 lengthways		5138.5	5143.5	5163.5	5390.5	5390.5	5390.5	5138.5	5143.5	5163.5	5390.5	5390.5	5390.5
	4.35	Turning radius	W_a (mm)	3140	3140	3140	3350	3350	3350	3140	3140	3140	3350	3350	3350
Performance data	5.1	Travel speed, laden/unladen	km/h	18/20	18/20	17/19	17/17	17/17	17/17	18/20	18/20	17/19	15/17	15/17	15/17
	5.2	Lift speed, laden/unladen	mm/s	320/450	320/450	320/450	300/450	280/430	280/430	380/450	360/450	320/450	320/450	300/450	280/430
	5.3	Lowering speed, laden/unladen	mm/s	400/350	400/350	400/350	400/350	400/350	400/350	400/350	400/350	400/350	400/350	400/350	400/350
	5.6	Max. Drawbar pull, laden/unladen	N	35000	35000	35000	35000	35000	35000	35000	35000	35000	35000	35000	35000
	5.8	Max. gradeability, laden/unladen	%	19/29	18/27	16/25	16/23	16/23	15/20	19/29	18/27	16/25	16/23	16/23	15/20
	5.10	Service brake		Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
	5.11	Parking brake		Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Electric-engine	6.1	Drive motor rating S2 60 min	kW	40AC	40AC	40AC	40AC	40AC	40AC	32AC	32AC	32AC	40AC	40AC	40AC
	6.2	Lift motor rating at S3 15%	kW	28-2AC	28-2AC	28-2AC	28-2AC	28-2AC	28-2AC	23-2AC	23-2AC	23-2AC	28-2AC	28-2AC	28-2AC
	6.4	Battery voltage, nominal capacity	(V)/(Ah) or kWh	96/690	96/690	96/690	96/920	96/920	96/920	96/690	96/690	96/690	96/920	96/920	96/920
Addition data	6.5	Battery weight	kg	700	700	700	1000	1000	1000	700	700	700	1000	1000	1000
	10.1	Operating pressure for attachments	MPa	10	10	10	10	10	10	10	10	10	10	10	10
	10.2	Oil volume for attachments	ℓ/min	75	75	75	90	90	90	75	75	75	90	90	90

