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XH SERIES HIGH-VOLTAGE LITHIUM BATTERY FORKLIFT

Independently developed by Hangcha on the basis of decades of deep understanding of electric forklifts and internal combustion forklifts, XH series high-voltage counterweight lithium battery forklifts are a new series of high-voltage counterweight lithium battery forklifts that first use a new energy vehicle voltage platform and represent a breakthrough over the traditional design concept. Representing a redefinition of electric forklifts in terms of efficiency, power, reliability, etc., XH series forklift models have performance and operating condition completely superseding that of the internal combustion forklifts.

VOLTAGE

618 V

100% CHARGE FOR

1 Hour

WATER RESISTANCE

IPX4

SPEED MODELS

3

PROTECTION RATE

IP67

Stylish appearance

/ With the inherited exterior design of X series internal combustion forklifts and a smooth and sturdy profile, the whole vehicle is stylish, sturdy and powerful, showing modern industrial aesthetics.

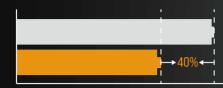




FASTER & MORE EFFICIENCY.

Compared with low-voltage lithium battery forklifts, high-voltage lithium battery technology can save about 40% of the overall cost during the service cycle.

Low Voltage Lithium Battery Forklift



Compared with fuel forklifts, high-voltage lithium battery technology can save about 90% of the overall cost during the service cycle.

90%

Fuel Forklift

Lithium Electric Forklift







Under normal charging and discharging conditions, the lithium battery of Hangcha products has a capacity retention rate of more than 75% and a life span of up to 10 years after 4000 cycles of charging and discharging.

Through disruptive battery and fast charging technology, the charging time is greatly shortened

Fast charging makes it possible for the whole vehicle to work

Get the battery fully charge:



Electric Forklift







ULTRA LONG BATTERY LIFE

- / A large-capacity lithium battery for the standard configuration can meet the long battery life need.
- / Both the drive and operating systems are efficient and energy-saving vehicle-grade permanent magnet synchronization systems.
- / High-voltage platform, less vehicle current and minimal system heat loss.
- / Braking energy recovery effectively prolongs operating time.



A double-motor walking system increases the range of high efficiency and saves



Advancement

A high-torque permanent magnet synchronous motor provides strong power for the vehicle with performance indicators benchmarked against that of internal combustion forklifts.

618V

A high-voltage platform with low system loss, a standard chilled water tank for heavy-duty truck to achieve good heat dissipation.



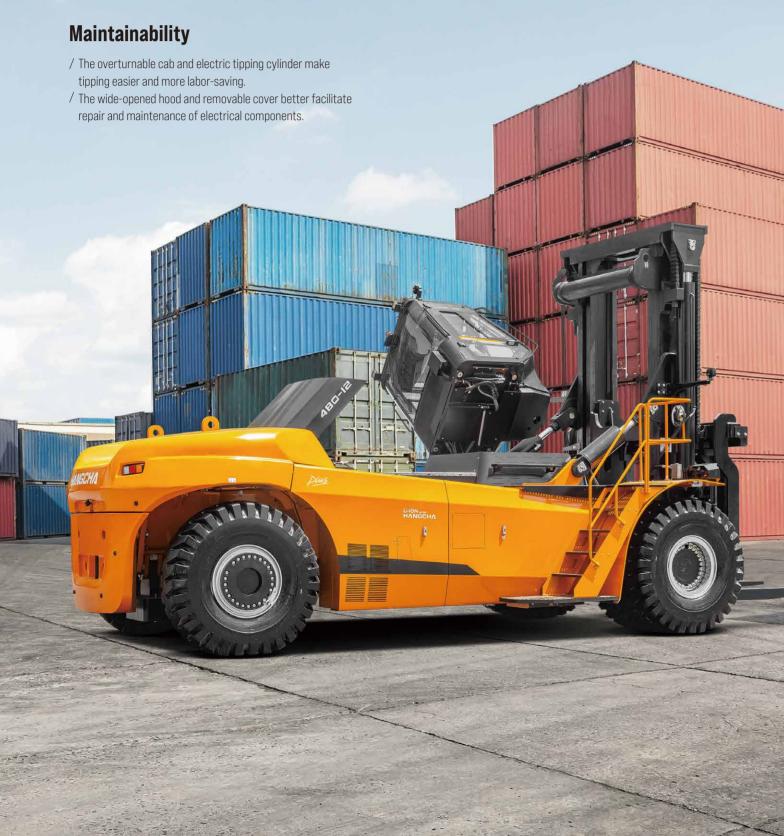
With motor, electric control and battery adopting liquid-cooling heat dissipation, the forklift can absolutely carry out long-time and high-intensity operations as internal combustion forklifts.



Intelligence

- / A vehicle central controller is provided, which has bus architecture, several built-in diagnosis and management functions and a central fault alarm function.
- / An optional intelligent management system is provided to enable intelligent remote monitoring and easier equipment management and logistics management.





SAFE AND RELIABLE

- / The cover of the vehicle is designed to be sealed to the water resistance level of IPX4.
- / The electrical system has high-voltage interlocking, insulation monitoring and potential balancing functions to offer vehicle-grade safety.



Both the battery and junction box have MSD maintenance switches to enable one-click power-down and safer maintenance.



Key structural parts have been verified highly reliable by the market for many years while being used by internal combustion forklifts.



All the motor and electronic controls reach the dust and water resistance level of IP67, a high protection level adequate to withstand harsh operating environments.



The high-voltage lithium battery is equipped with an automatic fire extinguisher for the standard configuration. The vehicle is equipped with a pipe network automatic fire extinguisher for the standard configuration.



A turning deceleration function effectively reduces risk of tipping over.

38-40t Mast Specification

		Max. Fork			Front	Tilt range
Туре	Model	Height	Lowered	Extended	Overhang	F/R
		mm	mm	mm	mm	(°)
	G400M360	3600	4400	6170	1290	6/10
	G400M400	4000	4600	6570	1290	6/10
	G400M430	4300	4750	6870	1260	6/10
*	G400M450	4500	4850	7070	1290	6/10
.Duplex	G400M480	4800	5000	7370	1290	6/10
STD.1	G400M500	5000	5100	7570	1290	6/10
8	G400M550	5500	5350	8070	1290	3/6
	G400M600	6000	5600	8570	1290	3/6
	G400M650	6500	5850	9070	1290	3/6
	G400M700	7000	6100	9570	1290	3/6

46-48t Mast Specification

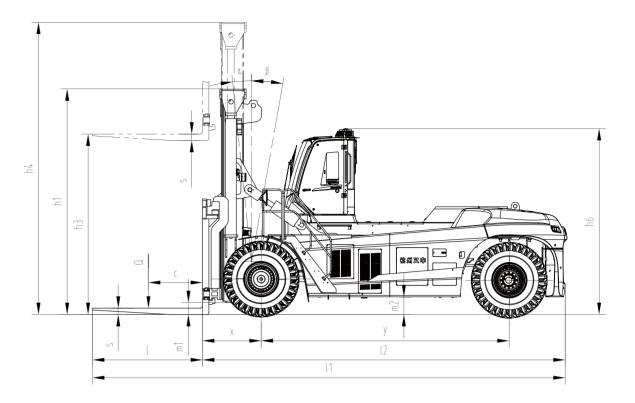
						Tilt range
Туре	Model	Max. Fork Height	Lowered	Extended	Front Overhang	F/R
		mm	mm	mm	mm	(°)
	G480M360	3600	4800	6570	1290	6/10
	G480M400	4000	5000	6970	1290	6/10
	G480M430	4300	5150	7270	1260	6/10
*	G480M450	4500	5250	7470	1290	6/10
.Duplex	G480M480	4800	5400	7770	1290	6/10
STD.C	G480M500	5000	5500	7970	1290	6/10
8	G480M550	5500	5750	8470	1290	3/6
	G480M600	6000	6000	8970	1290	3/6
	G480M650	6500	6250	9470	1290	3/6
	G480M700	7000	6500	9970	1290	3/6

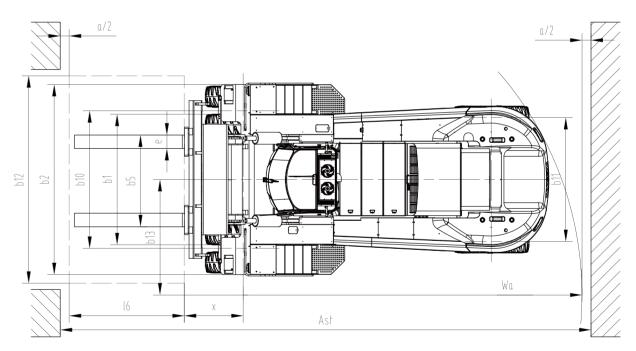
Features

Truck	Standard	Options
Duplex wide-view mast	•	
Fully hydraulic power steering	•	
Water chilling unit for lithium battery	•	
Traction device	•	
Oil-resistant tread tire	•	
Standard lithium battery box	•	
Standard fork	•	
Fork positioner-equipped side shift fork	•	
Pneumatic tire	•	
Forks of other specifications		0
Solid tire		0
Cab		
Cab	•	
Multi-direction adjustable armrest	•	
Steering wheel adjusting device		
Standard seat		
Cooling and heating air conditioner	•	
Chair sensing system	•	
Electrically-controlled joystick	•	
Vehicle intercom		0
Controls and instruments		
LCD bus instrument	•	
Multifunctional color-screen instruments	•	
Neutral gear switch	•	
VCU controller	•	
Emergency shut-off switch	•	
MSD maintenance switch	•	
Weighing system		0
Cloud intelligent management system		0
Safety		
Hydraulic oil filter alarm	•	
Snail horn	•	
Visual reversing radar	•	
Accumulator low pressure alarm	•	
Automatic fire extinguisher for lithium battery	•	
Rearview mirror	•	
Reversing buzzer	•	
Reverse voice buzzer		0
Fire extinguisher (2kg/4kg)		0
Speed limit alarm		0
Turning deceleration		0
Maintenance		
Maintenance-free 24V lead-acid battery	•	
Cab electric tipping	•	
Maintenance reminding	•	
Tire pressure monitoring		0
Driving record system		0
Central lubrication system		0
		O
Lights		
Alarm light	•	
Vehicle LED lights	•	
Mast LED light	•	
Blue light		0
Acoustic and optical alarm light		0
Other		
Self-locking valve in the tilting fuel circuit	•	
Neutral indicator	•	
Speed limit valve in the lifting fuel circuit	•	
Vehicle toolkit	•	
Quad multiway valve User specified color	•	0

XH Series High-voltage Lithium Battery Forklift Specification

	1.1	Manufacturer		HANGCHA GROUP CO.,LTD.			
	1.2	Manufacturer's type designation		CPD380-XHJG	CPD400-XHJG	CPD460-XHJG	CPD480-XHJG
_	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		Electric	Electric	Electric	Electric
Distinguishing mark	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seated	Seated	Seated	Seated
stingu	1.5	Rated capacity/rated load	kg	38000	40000	46000	48000
-	1.6	Load centre distance	c (mm)	1200	1200	1200	1200
	1.8	Load distance, centre of drive axle to fork	x (mm)	1290	1290	1300	1300
	1.9	Wheelbase	y (mm)	5500	5500	5500	5500
	2.1	Service Weight	kg	57000	58000	62000	64500
Weight	2.2	Axle loading, laden front/rear	kg	83500/11500	86900/11100	97600/10400	10170/10800
>	2.3	Axle loading, unladen front/rear	kg	28200/28800	28700/29300	30700/31300	31900/32600
	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		pneumatic	pneumatic	pneumatic	pneumatic
	3.2	Tyre size, front		18.00-25-40PR	18.00-25-40PR	18.00-25-40PR	18.00-25-40PR
Tyres, chassis	3.3	Tyre size, rear		18.00-25-40PR	18.00-25-40PR	18.00-25-40PR	18.00-25-40PR
rres, cl	3.5	Wheels, number front / rear (x = driven wheels)		4x/2	4x/2	4x/2	4x/2
5	3.6	Tread, front	b10 (mm)	3050	3050	3050	3050
	3.7	Tread, rear	b11 (mm)	2790	2790	2790	2790
	4.1	Tilt of mast/fork carriage forward/backward	α/β [°]	6/10	6/10	6/10	6/10
	4.2	Height, mast lowered	h1 (mm)	4600	4600	5000	5000
	4.3	Free lift	h2 (mm)	125	125	140	140
	4.4	Lift	ha (mm)	4000	4000	4000	4000
	4.5	Height, mast extended	h4 (mm)	6570	6570	6970	6970
	4.7	Height of overhead guard (cabin)	he (mm)	4120	4120	4120	4120
	4.8	Seat height/stand height	h7 (mm)	2880	2880	2880	2880
	4.12	Coupling height	h10 (mm)	880	880	880	880
s s	410	Overall length	l1 (mm)	10470	10470	10480	10480
l iğ	4.19						
Jimension	4.19	Length to face of forks	l2 (mm)	8030	8030	8040	8040
Dimensions		Length to face of forks Overall width		8030 4215		8040 4215	8040 4215
Dimension	4.2		l2 (mm)		8030		
Dimension	4.21	Overall width	l2 (mm) b1/b2 (mm)	4215	8030 4215	4215	4215
Dimension	4.2 4.21 4.22	Overall width Fork dimensions	l2 (mm) b1/b2 (mm) s / e / l (mm)	4215 125/300/2440	8030 4215 125/300/2440	4215 140/300/2440	4215 140/300/2440
Dimension	4.2 4.21 4.22 4.24	Overall width Fork dimensions Fork-carriage width	l2 (mm) b1/b2 (mm) s / e / I (mm) b3 (mm)	4215 125/300/2440 3350	8030 4215 125/300/2440 3350	4215 140/300/2440 3350	4215 140/300/2440 3350
Dimension	4.2 4.21 4.22 4.24 4.31	Overall width Fork dimensions Fork-carriage width Ground clearance, laden, below mast	l2 (mm) b1/b2 (mm) s / e / l (mm) b3 (mm) m1 (mm)	4215 125/300/2440 3350 220	8030 4215 125/300/2440 3350 220	4215 140/300/2440 3350 220	4215 140/300/2440 3350 220
Dimension	4.2 4.21 4.22 4.24 4.31 4.32	Overall width Fork dimensions Fork-carriage width Ground clearance, laden, below mast Ground clearance, centre of wheelbase	l2 (mm) b1/b2 (mm) s / e / l (mm) b3 (mm) m1 (mm) m2 (mm)	4215 125/300/2440 3350 220 390	8030 4215 125/300/2440 3350 220 390	4215 140/300/2440 3350 220 390	4215 140/300/2440 3350 220 390
Dimension	4.2 4.21 4.22 4.24 4.31 4.32 4.34.1	Overall width Fork dimensions Fork-carriage width Ground clearance, laden, below mast Ground clearance, centre of wheelbase Aisle width for pallets 1000 x 1200 crossways	l2 (mm) b1/b2 (mm) s / e / l (mm) b3 (mm) m1 (mm) m2 (mm) Ast (mm)	4215 125/300/2440 3350 220 390 8990+L6	8030 4215 125/300/2440 3350 220 390 8990+L6	4215 140/300/2440 3350 220 390 9000+L6	4215 140/300/2440 3350 220 390 9000+L6
Dimension	4.2 4.21 4.22 4.24 4.31 4.32 4.34.1 4.35	Overall width Fork dimensions Fork-carriage width Ground clearance, laden, below mast Ground clearance, centre of wheelbase Aisle width for pallets 1000 x 1200 crossways Turning radius	l2 (mm) b1/b2 (mm) s / e / l (mm) b3 (mm) m1 (mm) m2 (mm) Ast (mm) Wa (mm)	4215 125/300/2440 3350 220 390 8990+L6 7500	8030 4215 125/300/2440 3350 220 390 8990+L6 7500	4215 140/300/2440 3350 220 390 9000+L6 7500	4215 140/300/2440 3350 220 390 9000+L6 7500
Dimension	4.2 4.21 4.22 4.24 4.31 4.32 4.34.1 4.35 4.36	Overall width Fork dimensions Fork-carriage width Ground clearance, laden, below mast Ground clearance, centre of wheelbase Aisle width for pallets 1000 x 1200 crossways Turning radius Internal turning radius	2 (mm) b1/b2 (mm) s / e / l (mm) s / e / l (mm) m1 (mm) m2 (mm) Ast (mm) Wa (mm) b13 (mm)	4215 125/300/2440 3350 220 390 8990+L6 7500	8030 4215 125/300/2440 3350 220 390 8990+L6 7500	4215 140/300/2440 3350 220 390 9000+L6 7500 1000	4215 140/300/2440 3350 220 390 9000+L6 7500 1000
	4.2 4.21 4.22 4.24 4.31 4.32 4.34.1 4.35 4.36 5.1	Overall width Fork dimensions Fork-carriage width Ground clearance, laden, below mast Ground clearance, centre of wheelbase Aisle width for pallets 1000 x 1200 crossways Turning radius Internal turning radius Travel speed, laden/unladen	l2 (mm) b1/b2 (mm) s / e / I (mm) b3 (mm) m1 (mm) m2 (mm) Ast (mm) Wa (mm) b13 (mm)	4215 125/300/2440 3350 220 390 8990+L6 7500 1000 24/24	8030 4215 125/300/2440 3350 220 390 8990+L6 7500 1000 24/24	4215 140/300/2440 3350 220 390 9000+L6 7500 1000 23/24	4215 140/300/2440 3350 220 390 9000+L6 7500 1000 23/24
	4.2 4.21 4.22 4.24 4.31 4.32 4.34.1 4.35 4.36 5.1 5.2	Overall width Fork dimensions Fork-carriage width Ground clearance, laden, below mast Ground clearance, centre of wheelbase Aisle width for pallets 1000 x 1200 crossways Turning radius Internal turning radius Travel speed, laden/unladen Lift speed, laden/unladen	l2 (mm) b1/b2 (mm) s / e / l (mm) b3 (mm) m1 (mm) m2 (mm) Ast (mm) Wa (mm) b13 (mm) km/h m/s	4215 125/300/2440 3350 220 390 8990+L6 7500 1000 24/24 0.32/0.35	8030 4215 125/300/2440 3350 220 390 8990+L6 7500 1000 24/24 0.32/0.35	4215 140/300/2440 3350 220 390 9000+L6 7500 1000 23/24 0.30/0.32	4215 140/300/2440 3350 220 390 9000+L6 7500 1000 23/24 0.30/0.32
	4.2 4.21 4.22 4.24 4.31 4.32 4.34.1 4.35 4.36 5.1 5.2	Overall width Fork dimensions Fork-carriage width Ground clearance, laden, below mast Ground clearance, centre of wheelbase Aisle width for pallets 1000 x 1200 crossways Turning radius Internal turning radius Travel speed, laden/unladen Lift speed, laden/unladen Lowering speed, laden/unladen	2 (mm) b1/b2 (mm) s / e / I (mm) s / e / I (mm) m1 (mm) m2 (mm) Ast (mm) Wa (mm) b13 (mm) km/h m/s m/s	4215 125/300/2440 3350 220 390 8990+L6 7500 1000 24/24 0.32/0.35 0.35/0.35	8030 4215 125/300/2440 3350 220 390 8990+L6 7500 1000 24/24 0.32/0.35 0.35/0.35	4215 140/300/2440 3350 220 390 9000+L6 7500 1000 23/24 0.30/0.32 0.35/0.35	4215 140/300/2440 3350 220 390 9000+L6 7500 1000 23/24 0.30/0.32 0.35/0.35
Performance data Dimension	4.2 4.21 4.22 4.24 4.31 4.32 4.34.1 4.35 4.36 5.1 5.2 5.3	Overall width Fork dimensions Fork-carriage width Ground clearance, laden, below mast Ground clearance, centre of wheelbase Aisle width for pallets 1000 x 1200 crossways Turning radius Internal turning radius Iravel speed, laden/unladen Lift speed, laden/unladen Lowering speed, laden/unladen Max. Drawbar pull, laden/unladen	2 (mm) b1/b2 (mm) s / e / l (mm) s / e / l (mm) m1 (mm) m2 (mm) Ast (mm) Wa (mm) b13 (mm) km/h m/s m/s N	4215 125/300/2440 3350 220 390 8990+L6 7500 1000 24/24 0.32/0.35 0.35/0.35	8030 4215 125/300/2440 3350 220 390 8990+L6 7500 1000 24/24 0.32/0.35 0.35/0.35	4215 140/300/2440 3350 220 390 9000+L6 7500 1000 23/24 0.30/0.32 0.35/0.35 230000	4215 140/300/2440 3350 220 390 9000+L6 7500 1000 23/24 0.30/0.32 0.35/0.35 230000
	4.2 4.21 4.22 4.24 4.31 4.32 4.34.1 4.35 4.36 5.1 5.2 5.3 5.6	Overall width Fork dimensions Fork-carriage width Ground clearance, laden, below mast Ground clearance, centre of wheelbase Aisle width for pallets 1000 x 1200 crossways Turning radius Internal turning radius Travel speed, laden/unladen Lift speed, laden/unladen Lowering speed, laden/unladen Max. Drawbar pull, laden/unladen Max. gradeability, laden/unladen	2 (mm) b1/b2 (mm) s / e / l (mm) s / e / l (mm) m1 (mm) m2 (mm) Ast (mm) Wa (mm) b13 (mm) km/h m/s N %	4215 125/300/2440 3350 220 390 8990+L6 7500 1000 24/24 0.32/0.35 0.35/0.35 230000 20/25	8030 4215 125/300/2440 3350 220 390 8990+L6 7500 1000 24/24 0.32/0.35 0.35/0.35 230000 20/25	4215 140/300/2440 3350 220 390 9000+L6 7500 1000 23/24 0.30/0.32 0.35/0.35 230000 20/25	4215 140/300/2440 3350 220 390 9000+L6 7500 1000 23/24 0.30/0.32 0.35/0.35 230000 20/25
	4.2 4.21 4.22 4.24 4.31 4.32 4.34.1 4.35 4.36 5.1 5.2 5.3 5.6 5.8 5.9	Overall width Fork dimensions Fork-carriage width Ground clearance, laden, below mast Ground clearance, centre of wheelbase Aisle width for pallets 1000 x 1200 crossways Turning radius Internal turning radius Iravel speed, laden/unladen Lift speed, laden/unladen Lowering speed, laden/unladen Max. Drawbar pull, laden/unladen Max. gradeability, laden/unladen Acceleration time, laden/unladen (0-10m)	2 (mm) b1/b2 (mm) s / e / l (mm) s / e / l (mm) m1 (mm) m2 (mm) Ast (mm) Wa (mm) b13 (mm) km/h m/s N %	4215 125/300/2440 3350 220 390 8990+L6 7500 1000 24/24 0.32/0.35 0.35/0.35 230000 20/25 6.2/5.2	8030 4215 125/300/2440 3350 220 390 8990+L6 7500 1000 24/24 0.32/0.35 0.35/0.35 230000 20/25 6.2/5.2	4215 140/300/2440 3350 220 390 9000+L6 7500 1000 23/24 0.30/0.32 0.35/0.35 230000 20/25 6.5/5.5 Wet disc brake system(WDB)	4215 140/300/2440 3350 220 390 9000+L6 7500 1000 23/24 0.30/0.32 0.35/0.35 230000 20/25 6.5/5.5
Performance data	4.2 4.21 4.22 4.24 4.31 4.32 4.34.1 4.35 4.36 5.1 5.2 5.3 5.6 5.8 5.9	Overall width Fork dimensions Fork-carriage width Ground clearance, laden, below mast Ground clearance, centre of wheelbase Aisle width for pallets 1000 x 1200 crossways Turning radius Internal turning radius Iravel speed, laden/unladen Lift speed, laden/unladen Lowering speed, laden/unladen Max. Drawbar pull, laden/unladen Max. gradeability, laden/unladen Acceleration time, laden/unladen (0-10m) Service brake	2 (mm) b1/b2 (mm) s / e / l (mm) s / e / l (mm) m1 (mm) m2 (mm) Ast (mm) Wa (mm) b13 (mm) km/h m/s N %	4215 125/300/2440 3350 220 390 8990+L6 7500 1000 24/24 0.32/0.35 0.35/0.35 230000 20/25 6.2/5.2	8030 4215 125/300/2440 3350 220 390 8990+L6 7500 1000 24/24 0.32/0.35 0.35/0.35 230000 20/25 6.2/5.2 Wet disc brake system(WDB)	4215 140/300/2440 3350 220 390 9000+L6 7500 1000 23/24 0.30/0.32 0.35/0.35 230000 20/25 6.5/5.5 Wet disc brake system(WDB)	4215 140/300/2440 3350 220 390 9000+L6 7500 1000 23/24 0.30/0.32 0.35/0.35 230000 20/25 6.5/5.5
Performance data	4.2 4.21 4.22 4.24 4.31 4.32 4.34.1 4.35 4.36 5.1 5.2 5.3 5.6 5.8 5.9 5.1	Overall width Fork dimensions Fork-carriage width Ground clearance, laden, below mast Ground clearance, centre of wheelbase Aisle width for pallets 1000 x 1200 crossways Turning radius Internal turning radius Travel speed, laden/unladen Lift speed, laden/unladen Lowering speed, laden/unladen Max. Drawbar pull, laden/unladen Max. gradeability, laden/unladen Acceleration time, laden/unladen (0-10m) Service brake Parking brake	2 (mm) b1/b2 (mm) s / e / l (mm) s / e / l (mm) m1 (mm) m2 (mm) Ast (mm) Wa (mm) b13 (mm) km/h m/s m/s N % s	4215 125/300/2440 3350 220 390 8990+L6 7500 1000 24/24 0.32/0.35 0.35/0.35 230000 20/25 6.2/5.2 Wet disc brake system(WDB)	8030 4215 125/300/2440 3350 220 390 8990+L6 7500 1000 24/24 0.32/0.35 0.35/0.35 230000 20/25 6.2/5.2 Wet disc brake system(WDB) Spring Applied, Hydraulic rele	4215 140/300/2440 3350 220 390 9000+L6 7500 1000 23/24 0.30/0.32 0.35/0.35 230000 20/25 6.5/5.5 Wet disc brake system(WDB)	4215 140/300/2440 3350 220 390 9000+L6 7500 1000 23/24 0.30/0.32 0.35/0.35 230000 20/25 6.5/5.5 Wet disc brake system(WDB)
Performance data	4.2 4.21 4.22 4.24 4.31 4.32 4.34.1 4.35 4.36 5.1 5.2 5.3 5.6 5.8 5.9 5.1	Overall width Fork dimensions Fork-carriage width Ground clearance, laden, below mast Ground clearance, centre of wheelbase Aisle width for pallets 1000 x 1200 crossways Turning radius Internal turning radius Travel speed, laden/unladen Lift speed, laden/unladen Lowering speed, laden/unladen Max. Drawbar pull, laden/unladen Max. gradeability, laden/unladen Acceleration time, laden/unladen (0-10m) Service brake Parking brake Drive motor rating \$2 60 min	2 (mm) b1/b2 (mm) s / e / l (mm) s / e / l (mm) m1 (mm) m2 (mm) Ast (mm) Wa (mm) b13 (mm) km/h m/s N % s	4215 125/300/2440 3350 220 390 8990+L6 7500 1000 24/24 0.32/0.35 0.35/0.35 230000 20/25 6.2/5.2 Wet disc brake system[WDB]	8030 4215 125/300/2440 3350 220 390 8990+L6 7500 1000 24/24 0.32/0.35 0.35/0.35 230000 20/25 6.2/5.2 Wet disc brake system(WDB) Spring Applied,Hydraulic rele	4215 140/300/2440 3350 220 390 9000+L6 7500 1000 23/24 0.30/0.32 0.35/0.35 230000 20/25 6.5/5.5 Wet disc brake system(WDB) asse multidisc brake(SAHR)	4215 140/300/2440 3350 220 390 9000+L6 7500 1000 23/24 0.30/0.32 0.35/0.35 230000 20/25 6.5/5.5 Wet disc brake system(WDB)
	4.2 4.21 4.22 4.24 4.31 4.32 4.34.1 4.35 4.36 5.1 5.2 5.3 5.6 5.8 5.9 5.1	Overall width Fork dimensions Fork-carriage width Ground clearance, laden, below mast Ground clearance, centre of wheelbase Aisle width for pallets 1000 x 1200 crossways Turning radius Internal turning radius Iravel speed, laden/unladen Lift speed, laden/unladen Lowering speed, laden/unladen Max. Drawbar pull, laden/unladen Max. gradeability, laden/unladen Acceleration time, laden/unladen (0-10m) Service brake Parking brake Drive motor rating \$2 60 min Lift motor rating at \$3 15%	2 (mm) b1/b2 (mm) s / e / I (mm) s / e / I (mm) m1 (mm) m2 (mm) Ast (mm) b13 (mm) km/h m/s n/s s kW kW	4215 125/300/2440 3350 220 390 8990+L6 7500 1000 24/24 0.32/0.35 0.35/0.35 230000 20/25 6.2/5.2 Wet disc brake system(WDB)	8030 4215 125/300/2440 3350 220 390 8990+L6 7500 1000 24/24 0.32/0.35 0.35/0.35 230000 20/25 6.2/5.2 Wet disc brake system(WDB) Spring Applied,Hydraulic rele	4215 140/300/2440 3350 220 390 9000+L6 7500 1000 23/24 0.30/0.32 0.35/0.35 230000 20/25 6.5/5.5 Wet disc brake system(WDB) ase multidisc brake(SAHR) 214 89×2	4215 140/300/2440 3350 220 390 9000+L6 7500 1000 23/24 0.30/0.32 0.35/0.35 230000 20/25 6.5/5.5 Wet disc brake system(WDB)
Electric-engine Performance data	4.2 4.21 4.22 4.24 4.31 4.32 4.34.1 4.35 4.36 5.1 5.2 5.3 5.6 5.8 5.9 5.1 6.1 6.2 6.4	Overall width Fork dimensions Fork-carriage width Ground clearance, laden, below mast Ground clearance, centre of wheelbase Aisle width for pallets 1000 x 1200 crossways Turning radius Internal turning radius Iravel speed, laden/unladen Lift speed, laden/unladen Lowering speed, laden/unladen Max. Drawbar pull, laden/unladen Max. gradeability, laden/unladen Acceleration time, laden/unladen (0-10m) Service brake Parking brake Drive motor rating \$2.60 min Lift motor rating at \$3.15% Battery voltage, nominal capacity K5	2 (mm) b1/b2 (mm) s / e / l (mm) s / e / l (mm) m1 (mm) m2 (mm) Ast (mm) Wa (mm) b13 (mm) km/h m/s N % s kW kW (V)/(Ah)	4215 125/300/2440 3350 220 390 8990+L6 7500 1000 24/24 0.32/0.35 0.35/0.35 230000 20/25 6.2/5.2 Wet disc brake system(WDB)	8030 4215 125/300/2440 3350 220 390 8990+L6 7500 1000 24/24 0.32/0.35 0.35/0.35 230000 20/25 6.2/5.2 Wet disc brake system(WDB) Spring Applied.Hydraulic rele	4215 140/300/2440 3350 220 390 9000+L6 7500 1000 23/24 0.30/0.32 0.35/0.35 230000 20/25 6.5/5.5 Wet disc brake system(WDB) ase multidisc brake(SAHR) 214 89×2 618/684	4215 140/300/2440 3350 220 390 9000+L6 7500 1000 23/24 0.30/0.32 0.35/0.35 230000 20/25 6.5/5.5 Wet disc brake system(WDB)
Performance data	4.2 4.21 4.22 4.24 4.31 4.32 4.34.1 4.35 4.36 5.1 5.2 5.3 5.6 5.8 5.9 5.1 6.1 6.2 6.4 6.5	Overall width Fork dimensions Fork-carriage width Ground clearance, laden, below mast Ground clearance, centre of wheelbase Aisle width for pallets 1000 x 1200 crossways Turning radius Internal turning radius Iravel speed, laden/unladen Lift speed, laden/unladen Lowering speed, laden/unladen Max. Drawbar pull, laden/unladen Max. gradeability, laden/unladen Acceleration time, laden/unladen (0-10m) Service brake Parking brake Drive motor rating \$2 60 min Lift motor rating at \$3 15% Battery weight	2 (mm) b1/b2 (mm) s / e / l (mm) s / e / l (mm) m1 (mm) m2 (mm) Ast (mm) b13 (mm) km/h m/s N % s kW kW (V)/(Ah) kg	4215 125/300/2440 3350 220 390 8990+L6 7500 1000 24/24 0.32/0.35 0.35/0.35 230000 20/25 6.2/5.2 Wet disc brake system(WDB) 214 89×2 618/684 3500	8030 4215 125/300/2440 3350 220 390 8990+L6 7500 1000 24/24 0.32/0.35 0.35/0.35 230000 20/25 6.2/5.2 Wet disc brake system(WDB) Spring Applied,Hydraulic rele 214 89×2 618/684 3500	4215 140/300/2440 3350 220 390 9000+L6 7500 1000 23/24 0.30/0.32 0.35/0.35 230000 20/25 6.5/5.5 Wet disc brake system(WDB) ase multidisc brake(SAHR) 214 89×2 618/684 3500	4215 140/300/2440 3350 220 390 9000+L6 7500 1000 23/24 0.30/0.32 0.35/0.35 230000 20/25 6.5/5.5 Wet disc brake system(WDB) 214 89×2 618/684 3500





Ast=16+Wa+x+a L6: load length a: Clearance (200mm)

