



TOUGH WORLD. TOUGH EQUIPMENT.

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## WAREHOUSE TRUCK FULL LINES



TOUGH WORLD. TOUGH EQUIPMENT.

# Li-ion Pallet Truck

## Main Features



### HIGHT PERFORMANCE

- Standard lithium battery, maintenance free.
- High capacity battery and quickly charger for option.
- Inside BMSCSD battery management system for more safety and long life.
- The battery can be charged in working gap without take out for longer working time.



### CONVENIENCE

- Working steady and easy exchange the battery in 5s.
- Curtis controller and CAN-bus system for easy to check.
- The controller have the self-diagnosis function and the error code be show on LCD.
- Every cover can be easy to disassembly.



### INTELLIGENT HANDLE

- Can-bus handle with all button to easy touch.
- Coded lock inside for more safety.
- The driving speed can be automatic control with different handle angle.



### FLEXIBLE AND DURABLE

- Smaller body can be easy to turnover the container and elevator.
- The handle is upright and can be used for walking in a narrow space.
- Lightweight body and guaranteed strength design, 5% energy saving compared to traditional lead-acid battery models.
- Strong power, high gradeability.

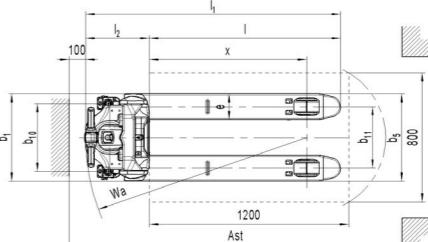
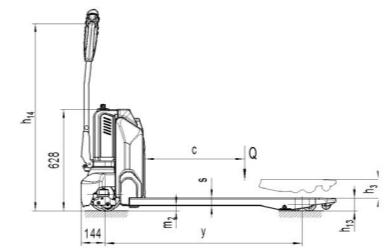


**OPTIONS:** Single loading wheel & 1070/1220/1525mm height Load Brackets.



## SPECIFICATION

	Model	1	CLG2015L	CLG2020L
Power Type	2		Electric	Electric
Driving Type	3		Walking	Walking
Capacity	4	Q (kg)	1500	2000
Load Center	5	c (mm)	600	600
Overhang	6	x (mm)	947	951
Wheel Base	7	y (mm)	1185	1189
Service Weight	8	kg	123	126
Loading Axle Load, Driving / Loading	9	kg	500 / 1123	626 / 1000
Unloading Axle Load, Driving / Loading	10	kg	96 / 27	99 / 27
Wheel	11		PU	PU
Driving Wheel Size	12	x w (mm)	210x70	210x70
Loading Wheel Size	13	x w (mm)	80x93( 80x70)	80x93( 80x70)
Balance Wheel Size	14	x w (mm)	80x30	80x30
Wheels(x= Driving Wheel) Driving / Loading	15		1x/2(1x/ 4) or 1x+2/2(1x+2/ 4)	1x/2(1x/ 4) or 1x+2/2(1x+2/ 4)
Driving Tread Width	16	b10 (mm)	-/420	-/420
Loading Tread Width	17	b11 (mm)	380	525
Lifting Height	18	h3 (mm)	115	115
Handle Height, Min / Max	19	h14 (mm)	700 / 1160	700 / 1160
Fork Height	20	h13 (mm)	80	80
Overall Length	21	l1 (mm)	1530	1536
Body Length	22	l2 (mm)	380	386
Overall Width	23	b1 (mm)	540	685
Fork Size	24	s/e/l (mm)	47 / 160 / 1150	47 / 160 / 1150
Fork Spread	25	b5 (mm)	540	685
Min Ground Clearance	26	m2 (mm)	33	33
Aisle Width, 800x1200 pallet	27	As (mm)	2000	2006
Turning Radius	28	Wa (mm)	1330	1336
Driving Speed (load / unload)	29	km/h	4.6 / 4.8	4.8 / 5.2
Lifting Speed (load / unload)	30	mm/s	20 / 25	17 / 22
Lower Speed (load / unload)	31	mm/s	50 / 40	50 / 30
Max. Gradeability (load / unload)	32	%	4 / 16	8 / 16
Brake System	33		Electromagnetism	Electromagnetism
Driving Motor Power, S2 60min	34	kW	0.65	0.75
Lifting Motor Power, S3 10%	35	kW	0.50	0.80
Battery According DIN 43531/ 35/ 36 A, B, C Standard	36		No	No
Battery Voltage, Capacity, K5	37		24 / 20(24 / 30; 24 / 36)	48 / 20
Battery Weight (+/-5%)	38	kg	4.6	7.5
Energy Consumption (According VDI)	39	kWh/h	0.18	0.25
Driving Control Type	40		DC	DC
Ear Noise	41	dB(A)	<70	<70



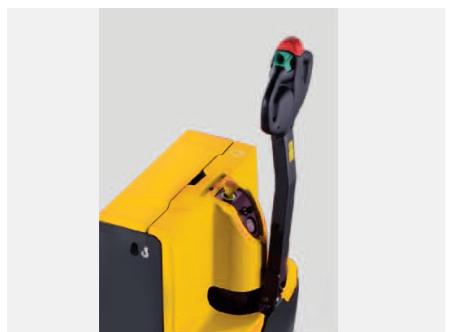
# Electric Pallet Truck

## Main Features



### GREMAN AC DRIVE TECHNOLOGY

- The powerful German Schabmueller maintenance free AC Drive motor in combination with the Greman Kordel gearbox, Intorqe brake and Wicke drive wheel give best performance, efficiency and reliability to reduce the running cost.
- The AC Drive can give always the right response when gentle or fast acceleration whatever you desired.



### LONG TILLER DESIGN FOR ERGONOMICS AND SAFETY

- In particular through the long tiller design the operator can always keep a safe distance to the truck during proceeding the work very ergonomically.
- The design ensures lower operational forces than trucks with a short tiller.
- The tillers operating height is naturally positioned to ergonomic, operator friendly controlling positions.



### MAINTENANCE FRIENDLY

- The truck's design and the used components are tailored to make service and maintenance easy. All components are easy to reach when removing the main cover only with 2 screws, drive-and castor wheel are easy to exchange without craning the truck.

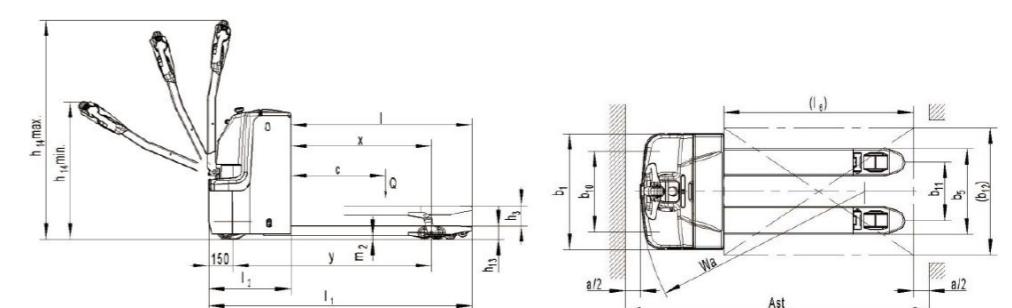


### LONG LASTING BATTERY

- With the long lasting battery capacities for every model.
- With sideways battery exchange for long operations and multi-shifts.

## SPECIFICATION

Feature	Model	1		CLG2016L-WA	CLG2020L-WA	CLG2025L-WA		
Poer Type	2		Electric	Electric	Electric	Electric		
Driving Type	3		Walking	Walking	Walking	Walking		
Capacity	4	kg	1600	2000	2500			
Overall Length	5	mm	1670	1735	1950			
Overall Wide	6	mm	690	690	690			
Overall Height	7	mm	1335	1335	1335			
Min. Height of Fork	8	mm	85	85	85			
Max. Height of Fork	9	mm	205	205	205			
Fork	10	mm	1150×173×60					
Fork Spread	11	mm	540	685	540	685		
Wheel Base	12	mm	1261		1327			
Turning Radius	13	mm	1440		1490			
Performance	14	km/h	5.7 / 6.0		5.7 / 6.0			
	15	mm/s	25 / 35		22 / 30			
	16	mm/s	35 / 30		35 / 35			
Motor	17	kw	1.3		1.3			
	18	kw	0.8		0.8			
	19	Ah/v	160 / 24		210 / 24			
Wheel Dimension	20	mm	Φ84×84					
	21	mm	Φ100×40					
	22	mm	Φ230×70					
Weight	23	kg	445		535			
	24	kg	150		215			

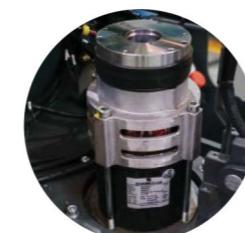


# Electric Pallet Truck

## Main Features

### POWERFUL

- Powerful AC-drive unit from the global industry leaders: the AC driving motor designed motor designed and produced by Schabmuller comes together with the top quality ZF gearbox and it is equipped with Intorq electromagnetic brake. The drive unit can provide the drive speed up to 8km/h. The use of top level quality drive wheels helps to ensure the long life time of PU tires.



### RELIABLE

- The driving controllers and steering controllers are manufactured by Zapi (Italy)-the leading European brand with long history in the industry, which provides extremely reliable and flexible solutions with high performance level of the control system.



### COMFORTABLE

- The model range can be equipped with the option of Electric Power Steering (EPS) which delivers precise and fast control for the position of steering wheel and has a high level of reliability as well as safety according to official standards.



### ERGONOMICS

- The German Rema tiller delivers high level of ergonomics as well as reliability of control system. In addition, the tiller ensures a long-life-time thanks to the contactless rocker switches designed for lifting/lowering function.



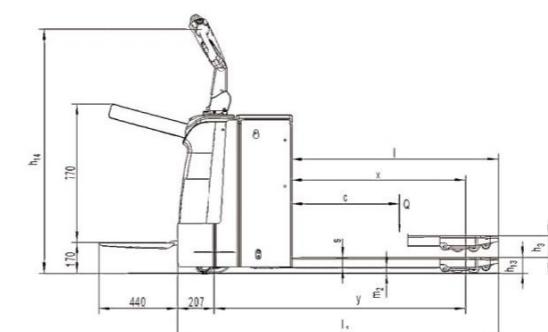
### RELIABLE

- The integrated design of operator's platform and protective arms as well as totally new internal structure allows to ensure the smallest body length of the stackers and provide extremely low turning radius among competitors. Together with this, the suspension system for the platform helps to provide the high level of comfort to operators.



## SPECIFICATION

	Model	1		CLG2020L-R3	CLG2025L-R3
Feature	Power Type	2		Electric	
Dimension	Driving Type	3		Standing	
	Capacity	4	kg	2000	2500
	Overall Length	5	mm	1790	1895
	Overall Wide	6	mm		790
	Overall Height	7	mm		1350
Performance	Min. Height of Fork	8	mm		85
	Max. Height of Fork	9	mm		205
	Fork	10	mm	1150×173×55	
	Fork Spread	11	mm	540 / 685	
	Wheel Base	12	mm	1330	1435
	Turning Radius	13	mm	1585	1690
Motor	Driving Speed (load / unload)	14	km/h	7.0 / 8.0	6.0 / 7.0
	Lifting Speed (load / unload)	15	mm/s	25 / 30	35 / 45
	Lowering Speed (load / unload)	16	mm/s	30 / 25	45 / 50
	Driving Motor Power	17	kw		1.4
	Lifting Motor Power	18	kw	0.8	2.2
	Battery Capacity / Voltage	19	Ah/v	210 / 24	270 / 24
Wheel Dimension	Front Wheel	20	mm	Φ84×84	
	Balance Wheel	21	mm	Φ100×40	
	Driving Wheel	22	mm	Φ210×70	
Weight	Service Weight	23	kg	650	770
	Battery	24	kg	185	235



## Electric Pallet Truck

### Main Features



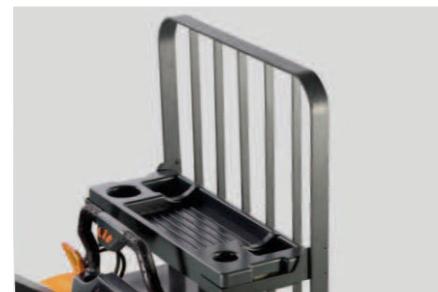
#### GENEROUS PLATFORM

- The roomy platform ensures operator comfort throughout the day.



#### JOG BUTTON

- Job button on the tiller allows operator to walk beside the truck. Additional sidetracker for travelling in tiller direction to increase productivity in order picking operations. The coast mode allows slowly coasting.



#### BACKREST

- Heavy duty load backrest with a tilt down design to facilitate battery change out. Optional battery rollers provides easier battery change out.



#### TRAY

- The optional available tray gives the right place for your work equipment.

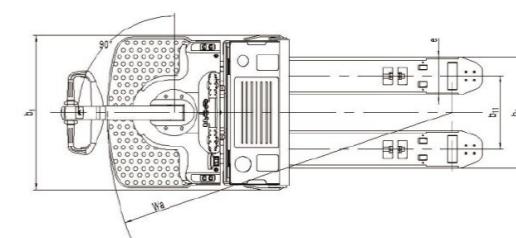
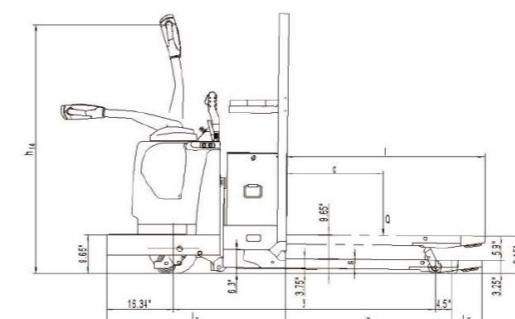
#### ERGONOMIC ROBUST GERMAN TILLER

- The operator friendly robust metal casted German tiller provides maximum of ergonomics and safety in riding-as well as in walking mode.



### SPECIFICATION

Feature	Model	1	CLG2027L-FL	CLG2036L-FL
Poer Type	2		Electric	Electric
Driving Type	3		Pedestrian	Pedestrian
Capacity	4	kg	2700	3600
Overall Length	5	mm	2330	3350
Overall Wide	6	mm	1095	1095
Overall Height	7	mm	880/1550	880/1550
Min. Height of Fork	8	mm	83	83
Max. Height of Fork	9	mm	150	150
Fork	10	mm	1220×230×60	2440×255×60
Fork Spread	11	mm	560	685
Wheel Base	12	mm	1615	2130
Turning Radius	13	mm	2145	2660
Performance	14	km/h	11/14	9.5/12
Driving Speed (load / unload)	15	mm/s	38/49	30/40
Lifting Speed (load / unload)	16	mm/s	55/50	45/42
Lowering Speed (load / unload)				
Motor	17	kw	3.8	3.8
Driving Motor Power	18	kw	2.2	2.2
Lifting Motor Power	19	Ah/v	350 / 24	350 / 24
Battery Capacity / Voltage				
Wheel Dimension	20	mm	Φ82×82	Φ82×70
Front Wheel	21	mm		Φ125×60
Balance Wheel	22	mm		Φ310×105
Driving Wheel	23	kg	1070	1150
Weight	24	kg	320	320
Battery				



## Electric Pallet Stacker

### Main Features



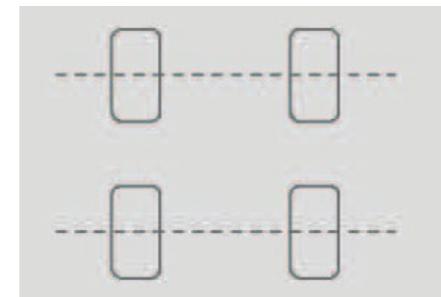
#### BUILT-IN CHARGER

- The built-in charge makes operations more autonomy and increases the operating range.



#### BATTERY DEEP DISCHARGE PROTECTION

- Proofed and ergonomic emergency button and discharge indicator, more robust and reliable than other, The included automatic battery protection ensures high lifetime for the batteries.



#### STABILITY

- 4-Wheel design with sideways tiller for excellent view and maneuverability as well as high stability.

#### PROOFED COMPONENTS

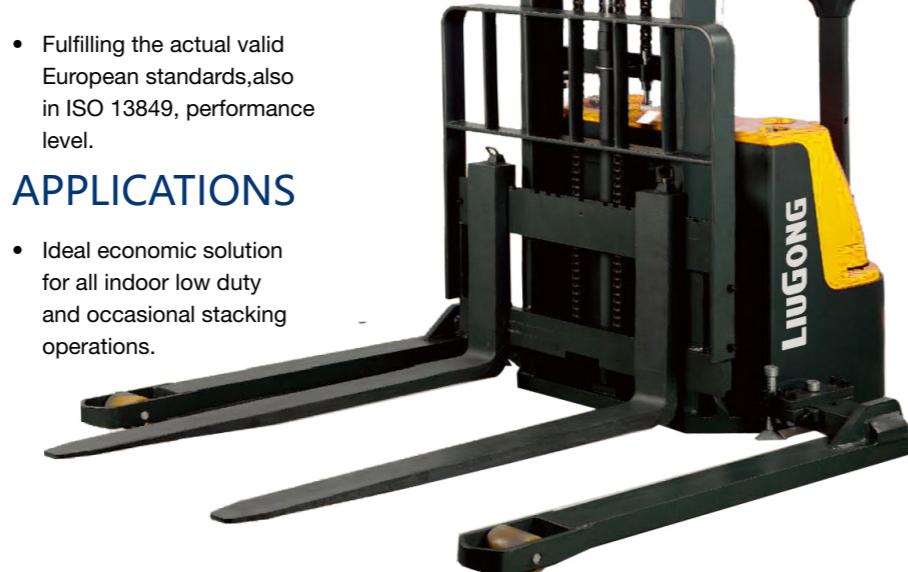
- Proofed components such as sensors, micro-switches, controller and hydraulic power-pack from international brands.

#### FULFILLING STANDARDS

- Fulfilling the actual valid European standards, also in ISO 13849, performance level.

#### APPLICATIONS

- Ideal economic solution for all indoor low duty and occasional stacking operations.



#### ROBUST PROFILE

- Robust mast with real mast profils for perfect stability, accuracy and high lifetime.

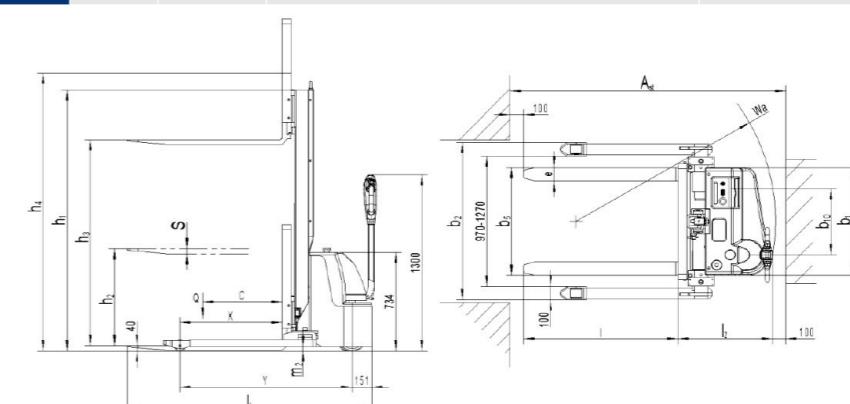


#### POWERFUL BATTERY

- 2x12v 85AH powerful VRLA-AGM maintenance free batteries.
- Option 2x12V 106AH.

### SPECIFICATION

Feature	Model	1	CLG2S010-WF3	CLG2S010-WS3
Power Type	2		Electric	Electric
Driving Type	3		Walking	Walking, Straddle-leg
Capacity	4	kg	1000	1000
Load Centre	5	mm	600	600
Overall Length	6	mm	1800	1838
Overall Wide	7	mm	800	800 / (1170~1470)
Height of tiller in drive positon min / max	8	mm	785 / 1300	785 / 1300
Lifting Height	9	mm	2900	2900
Max. Height of Truck	10	mm	3325	3420
Full Free Height	11	mm	70	70
Min. Height of Fork	12	mm	85	40
Fork	13	mm	1150x150x60	1150x100x35
Fork Spread	14	mm	570/685	282~800
Wheel Base	15	mm	1281	1281
Turning Radius	16	mm	1485	1485
Driving Speed (load / unload)	17	km/h	4.3/4.5	4.3/4.5
Lifting Speed (load / unload)	18	mm/s	110/160	110/160
Max. Lowering Speed (load / unload)	19	mm/s	130/110	130/110
Motor	Driving Motor Power	kw	0.45	0.45
	Lifting Motor Power	kw	2.2	2.2
	Battery Capacity / Voltage	Ah/v	85/ 2x12	85/ 2x12
Wheel Dimension	Front Wheel	mm	Φ84x70	Φ84x70
	Steering Wheel	mm	Φ124x60	Φ124x60
	Driving Wheel	mm	Φ220x70	Φ220x70
Weight	Service Weight	kg	510	756
	Battery	kg	2x25	2x25



# Electric Pallet Stacker

## Main Features

- The CLG2S012/16/20-WF3 is tailored to most pedestrian controlled stacking operations with capacities from 1200kg up to 2000kg.
- With the long mounted tiller the operator keeps safe and ergonomic distance to perform his work.
- Due to the gentle operating full proportional lifting system stacking operating becomes more safer and quicker.
- With the high-quality and state of the art top-brand components and technologies, the truck competes with leading well-known brands in the market.



### LONG TILLER DESIGN FOR ERGONOMICS AND SAFETY

- In particular through the long tiller design the operator can always keep a safe distance to the truck during proceeding the work very ergonomically.
- The design ensures lower operational forces than trucks with a short tiller.
- The tiller operating height is naturally positioned to ergonomic, operator friendly controlling positions.
- Specifically stacking operations becomes more ergonomically and quicker due to the safe distance and better view to the forks. The 4 wheel design with the sideways long mounted tiller gives particular an exact and perfect view to the forks.



### ELECTRONIC PROPORTIONAL LIFTING AND LOWERING

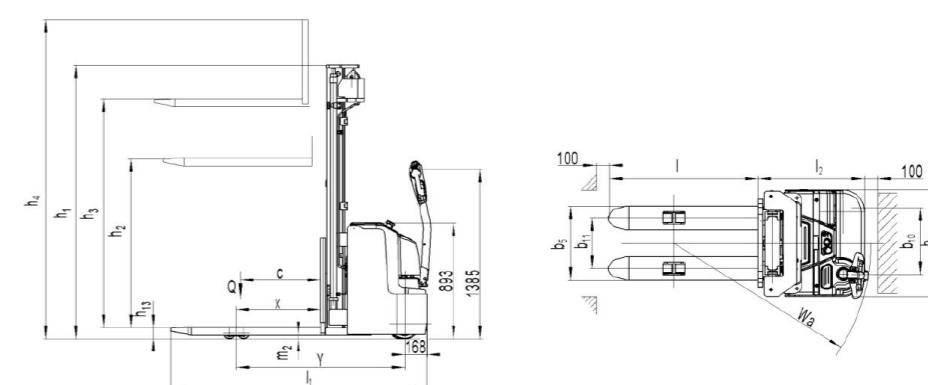
- The electronically controlled proportional lifting system ensures accurate positioning and stacking operations at every lifting height.
- In specific with high masts the electronic controlled proportional lifting performs at its best.

### CANBUS TECHNOLOGY

- the CANBUS technology is due to less wiring more reliable.
- For maintenance the CANBUS technology makes analysis and adjustments easier so that the downtime is lower than for trucks without CANBUS.
- Digital signals further makes parts longer lasting than analogue signals.

## SPECIFICATION

Feature	Model	1	CLG2S012-WF3	CLG2S016-WF3	CLG2S020-WF3
Power Type	2		Electric	Electric	Electric
Driving Type	3		Walking	Walking	Walking
Capacity	4	kg	1200	1600	2000
Load Centre	5	mm	600	600	600
Overall Length	6	mm	1919	1964	2100
Overall Wide	7	mm	820	820	820
Height of tiller in drive position min / max	8	mm	850 / 1385	850 / 1385	850 / 1385
Lifting Height	9	mm	2900	2900	2900
Max. Height of Truck	10	mm	3380	3380	3380
Full Free Height	11	mm	0	0	0
Min. Height of Fork	12	mm	90	90	90
Fork	13	mm	1150×180×60	1150×180×60	1150×180×60
Fork Spread	14	mm	570/685	570/685	570/685
Wheel Base	15	mm	1248	1293	1429
Turning Radius	16	mm	1440	1510	1640
Driving Speed (load / unload)	17	km/h	6.0/6.0	5.7/6.0	5.4/6.0
Lifting Speed (load / unload)	18	mm/s	90/140	130/200	130/200
Max. Lowering Speed (load / unload)	19	mm/s	250/200	280/230	280/230
Motor	20	kw	1.3	1.3	1.7
Driving Motor Power	21	kw	1.5	3.2	3.2
Battery Capacity / Voltage	22	Ah/v	180/24	270/24	350/24
Wheel Dimension	23	mm	Φ84×70	Φ84×70	Φ84×70
Front Wheel	24	mm	Φ150×54	Φ150×54	Φ150×54
Steering Wheel	25	mm	Φ230×70	Φ230×70	Φ230×70
Driving Wheel	26	kg	1007	1340	1579
Weight	27	kg	175	230	288
Battery					



## Straddle-leg Electric Pallet Stacker

## Main Features

- Ergonomic, Compact and safe Long Tiller Design.
  - Precise Lifting and Lowering with Full Proportional Hydraulic System.
  - Core Components from Top Quality Brands.
  - 4 Wheel Structure for Stability.



## LONG TILLER DESIGN FOR ERGONOMICS AND SAFETY

- Specifically stacking operations becomes more ergonomically and quicker due to the safe distance and better view to the forks. The 4 Wheel design with the sideways long mounted tiller gives particular an exact and perfect view to the forks.



## STRADDLE LEG

- Adjustable straddle leg design, suitable for diverse pallet sizes and more stability.



## FOR EVERY APPLICATION THE RIGHT BATTERY CAPACITY

- With the long lasting battery capacities for every model.
  - With sideways battery exchange for long operations and multi-shifts.

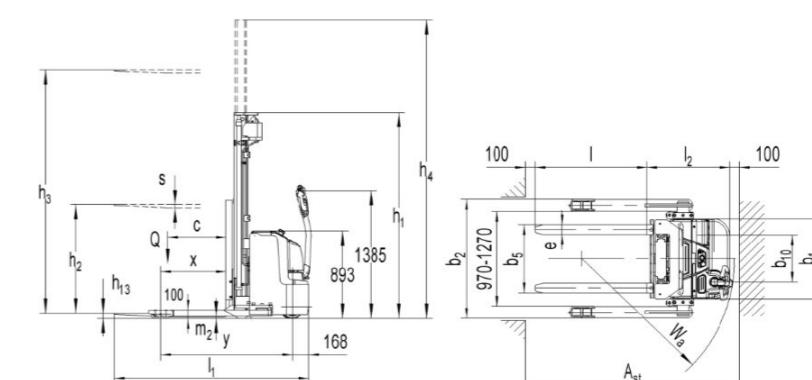


## ELECTRONIC PROPORTIONAL LIFTING AND LOWERING

- The electronically controlled proportional lifting system ensures accurate positioning and stacking operations at every lifting height.
  - In specific with high masts the electronic controlled proportional lifting performs at its best.

## SPECIFICATION

Feature	Model	1	CLG2S016-WS3	CLG2S020-WS3
	Power Type	2	Electric	Electric
Driving Type	3		Walking, Straddle-leg	Walking, Straddle-leg
Capacity	4	kg	1600	2000
Load Centre	5	mm	600	600
Overall Length	6	mm	2004	2135
Overall Wide	7	mm	820 / (1220~1520)	820 / (1220~1520)
Height of tiller in drive positon min / max	8	mm	850 / 1385	850 / 1385
Lifting Height	9	mm	2900	2900
Max. Height of Truck	10	mm	3380	3380
Full Free Height	11	mm	0	0
Min. Height of Fork	12	mm	50	50
Fork	13	mm	1150×120×40	1150×120×40
Fork Spread	14	mm	255~730	255~730
Wheel Base	15	mm	1378	1490
Turning Radius	16	mm	1680	1790
Performance	Driving Speed (load / unload)	km/h	5.7/6.0	5.4/6.0
	Lifting Speed (load / unload)	mm/s	130/200	130/200
	Max. Lowering Speed (load / unload)	mm/s	200/140	200/140
Motor	Driving Motor Power	kw	1.3	1.7
	Lifting Motor Power	kw	3.2	3.2
	Battery Capacity / Voltage	Ah/v	270/24	350/24
Wheel Dimension	Front Wheel	mm	Φ84×70	Φ84×70
	Steering Wheel	mm	Φ150×54	Φ150×54
	Driving Wheel	mm	Φ230×70	Φ230×70
Weight	Service Weight	kg	1460	1700
	Battery	kg	230	288



## Electric Pallet Stacker

### Main Features

#### POWERFUL

- Powerful AC-drive unit from the global industry leaders: the AC driving motor designed motor designed and produced by Schabmuller comes together with the top quality ZF gearbox and it is equipped with Intorq electromagnetic brake. The drive unit can provide the drive speed up to 8km/h. The use of top level quality drive wheels helps to ensure the long life time of PU tires.



#### RELIABLE

- The driving controllers and steering controllers are manufactured by Zapi (Italy)-the leading European brand with long history in the industry, which provides extremely reliable and flexible solutions with high performance level of the control system.



#### COMFORTABLE

- The model range can be equipped with the option of Electric Power Steering (EPS) which delivers precise and fast control for the position of steering wheel and has a high level of reliability as well as safety according to official standards.



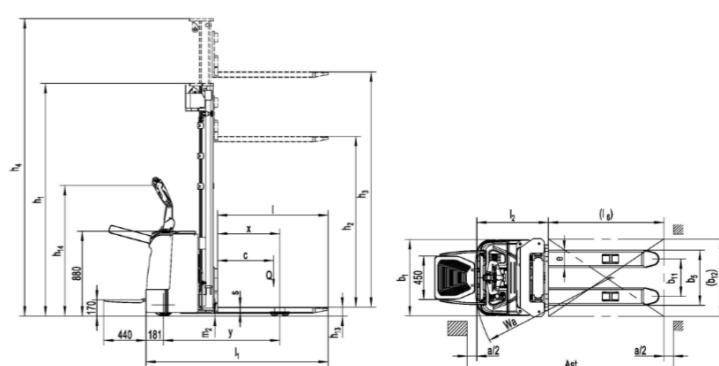
#### ERGONOMICS

- The German Rema tiller delivers high level of ergonomics as well as reliability of control system. In addition, the tiller ensures a long-life-time thanks to the contactless rocker switches designed for lifting/lowering function.



### SPECIFICATION

Feature	Model	1	CLG2S012-RF	CLG2S016-RF	CLG2S020-RF
Power Type	2		Electric	Electric	Electric
Driving Type	3		Standing	Standing	Standing
Capacity	4	kg	1200	1600	2000
Load Centre	5	mm	600	600	600
Overall Length	6	mm	1855	1896	2025
Overall Wide	7	mm	790	790	790
Overall Height	8	mm	2308	2308	2308
Lifting Height	9	mm	3530	3530	3530
Max. Height of Truck	10	mm	4088	4088	4088
Full Free Height	11	mm	1760	1760	1760
Min. Height of Fork	12	mm	90	90	90
Fork	13	mm	1150×180×60	1150×180×60	1150×180×60
Fork Spread	14	mm	570 / 685	570 / 685	570 / 685
Wheel Base	15	mm	1167	1215	1327
Turning Radius	16	mm	1380	1420	1550
Performance	Driving Speed (load / unload)	km/h	7.0 / 8.0	7.0 / 8.0	6.0 / 7.0
	Lifting Speed (load / unload)	mm/s	90 / 100	90 / 140	90 / 140
	Max. Lowering Speed (load / unload)	mm/s	25 / 20	25 / 20	25 / 20
Motor	Driving Motor Power	kw	1.4	1.4	1.4
	Lifting Motor Power	kw	1.5	3.2	3.2
	Battery Capacity / Voltage	Ah/v	180 / 24	270 / 24	350 / 24
Wheel Dimension	Front Wheel	mm	Φ85×75	Φ85×75	Φ85×75
	Steering Wheel	mm	Φ150×54	Φ150×54	Φ150×54
	Driving Wheel	mm	Φ230×70	Φ230×70	Φ230×70
Weight	Service Weight	kg	1080	1380	1620
	Battery	kg	175	230	288



# Electric Reach Truck

## Main Features

### COMFORTABLE AND BEAUTIFUL DESIGN

- Modern and new design in Modern design of control pedal, and the damping pedal with ergonomic design ensures comfortable driving.

### MAST SYSTEM

- The mast has the reach forward function which allows the truck to store the goods without moving of the truck itself, which is convenient and safe; High quality imported C-shape mast ensures that the vehicle load capacity.

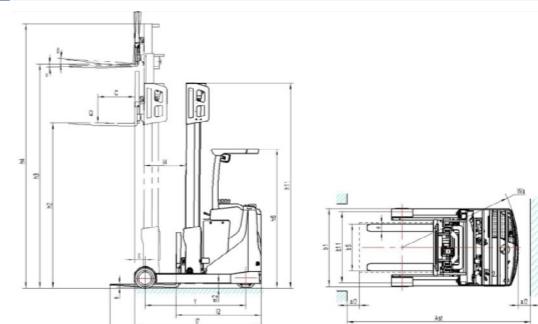
### EMERGENCY BUTTON

- Safe and convenient configuration of the emergency button, emergency one-time cut off all energy, which greatly increase safety.



## SPECIFICATION

Feature	Model	1		CLG2R015-M
	Power Type	2		Electric
	Driving Type	3		Standing
	Capacity	4	kg	1500
	Load Centre	5	mm	500
	Overall Length	6	mm	2280
	Overall Wide	7	mm	1260
	Height of the Overhead	8	mm	2260
	Forward Distance	9	mm	570
	Max. Lifting Height	10	mm	5000
	Overall Height	11		2335
	Max. Height of Truck	12	mm	5915
	Full Free Height	13	mm	1420
	Fork (Thickness×Wide×Length)	14	mm	35×120×1070
	Fork Spread	15	mm	240-760
	Fork Tilted Angle	16	°	2 / 4
	Min. Ground Clearance	17	mm	75
Aisle Wide	800×1200 pallet	18	mm	2700
	Tread Width	19	mm	1124
	Overhang	20	mm	180
	Turning Radius	21	mm	1600
	Driving Speed (load / unload)	22	km/h	10.5 / 10.5
	Lifting Speed (load / unload)	23	mm/s	270 / 380
	Lowering Speed (load / unload)	24	mm/s	400 / 350
	Forward Speed (load / unload)	25	mm/s	100 / 100
	Max. Gradeability (load / unload)	26	%	10 / 15
Wheel	Front Wheel	27	mm	Φ267x135
	Driving Wheel	28	mm	Φ313x125
Motor	Driving Motor Power	29	kw	6.4
	Lifting Motor Power	30	kw	12.5
	Battery Capacity / Voltage	31	Ah/v	360 / 48
Weight	Service Weight	32	kg	3000
	Battery	33	kg	750



## Electric Reach Truck

### Main Features

CLG2R020-M Series Reach stack is an ideal option for high capacity and high lift height cargo storage application. Rated load capacity of 2000kg lifting height up to 8000mm. It has the advantages of the integrated reach forward mast and small turning radius, which can ignore the barriers of the bottom shelf. It is applicable to large-scale vertical chemical plants, warehouses, supermarkets, docks and places for goods storage.

### COMFORTABLE AND BEAUTIFUL DESIGN

- Modern and new design in Modern design of control pedal, and the damping pedal with ergonomic design ensures comfortable driving.



### MAST SYSTEM

- The mast has the reach forward function which allows the truck to store the goods without moving of the truck itself, which is convenient and safe; high quality imported C-shape mast ensures that the vehicle load capacity.

### EMERGENCY BUTTON

- safe and convenient configuration of the emergency button, emergency one-time cut off all energy, which greatly increase safety.

### BUFFER SYSTEM FOR FORK LOWERING AND MAST FORWARD/BACKWARD

- BUffer system for fork lowering and mast forward/backward increase vehicle safety and oprating comfort.

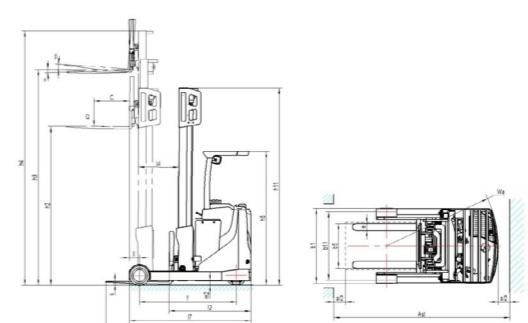
### ELECTRONIC CONTROL FUNCTIONS

- The electrical energy, timing, fault display is easy for operator to understand the vehicle condition and to have maintenance. the surface of electrical components is water and dust proof, the design of fully enclosed thermal of the central control unit to make the ciruit more simple and reliable.



### SPECIFICATION

Feature	Model	1	CLG2R020-M
	Power Type	2	Electric
	Driving Type	3	Standing
	Capacity	4	kg 2000
	Load Centre	5	mm 500
	Overall Length	6	mm 2380
	Overall Wide	7	mm 1260
	Height of the Overhead	8	mm 2260
	Forward Distance	9	mm 645
	Max. Lifting Height	10	mm 5000
	Overall Height	11	mm 2335
	Max. Height of Truck	12	mm 5915
	Full Free Height	13	mm 1420
	Fork (Thickness×Wide×Length)	14	mm 40×120×1070
	Fork Spread	15	mm 240-760
	Fork Tilted Angle	16	° 2 / 4
	Min. Ground Clearance	17	mm 75
Aisle Wide	800×1200 pallet	18	mm 2800
	Tread Width	19	mm 1155
	Overhang	20	mm 208
	Turning Radius	21	mm 1750
	Driving Speed (load / unload)	22	km/h 10.5 / 10.5
	Lifting Speed (load / unload)	23	mm/s 270 / 380
	Lowering Speed (load / unload)	24	mm/s 450 / 400
	Forward Speed (load / unload)	25	mm/s 100 / 100
	Max. Gradeability (load / unload)	26	% 10 / 15
Wheel	Front Wheel	27	mm Φ330x100
	Driving Wheel	28	mm Φ343x140
Motor	Driving Motor Power	29	kw 6.4
	Lifting Motor Power	30	kw 12.5
	Battery Capacity / Voltage	31	Ah/v 420 / 48
Weight	Service Weight	32	kg 3250
	Battery	33	kg 939



## Seated Type Battery Reach Truck

### Main Features

- This series Sit-on Reach Truck is a high performance truck with high efficiency and excellent safety. It is design to cope with the most demanding stacking operations for goods between 1400kg and 2000kg with maximum lift height up to 8m or 10.5M. Equipped with intelligent system and integrated with safety components to ensure the most efficient operations in big warehouses.

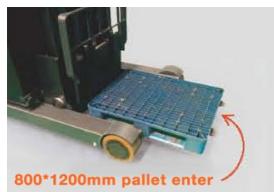


- Germany-imported HOESCH channel steel mast for excellent stability.

- German Schabmuller Drive motor and steering motor.
- American KDS Lifting pump for smooth and safe lifting and lowering.

- American Curtis Controller for smooth and smart control with diagnosable signals.

- Germany-imported ZF gear box for excellent acceleration.



- High Efficiency
- The inner diameter of the legs allows the 800X1200mm pallet enter,no need to reach forward to lower the pallet to the ground.

- High capacity battery with low energy consumption.
- High Capacity battery optional 360/480/600AH.low energy consumption with approximately 2.52kwh/h,20% energy saving comparing to competitors.



- Ergonomic design
- Comfortable adjustable seat allows the operator to find the best position and reduce fatigue for long time operation,overhead guard gives operator protection as well as.

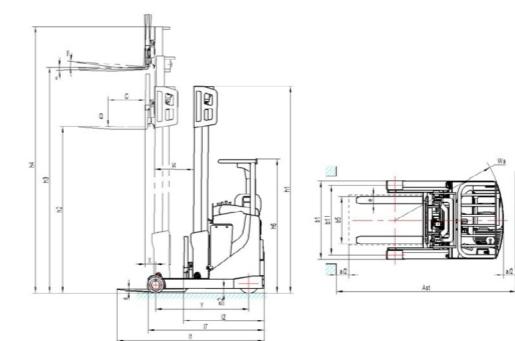


- Japanese Shimadzu Multi Control Valve for accurate and safe control of the hydraulics.



### SPECIFICATION

Feature	Model	1	CLG2R014-SM	CLG2R016-SM	CLG2R020-SM
Power Type	2	Electric	Electric	Electric	Electric
Driving Type	3	Seated	Seated	Seated	Seated
Capacity	4	kg	1400	1600	2000
Load Centre	5	mm	600	600	600
Overall Length	6	mm	2280	2300	2380
Overall Wide	7	mm	1260	1260	1260
Height of the Overhead	8	mm	2160	2160	2160
Forward Distance	9	mm	570	595	645
Max. Lifting Height	10	mm	5000	5000	5000
Overall Height	11		2335	2335	2335
Max. Height of Truck	12	mm	5915	5915	5915
Full Free Height	13	mm	1420	1420	1420
Fork (Thickness×Wide×Length)	14	mm	40×120×1070	40×120×1070	40×120×1070
Fork Spread	15	mm	240-760	240-760	240-760
Fork Tilted Angle	16	°	2 / 4	2 / 4	2 / 4
Min. Ground Clearance	17	mm	75	75	75
Aisle Wide	800×1200 pallet		2700	2730	2800
Tread Width	18	mm	1124	1124	1155
Overhang	19	mm	180	180	208
Turning Radius	20	mm	1600	1650	1750
Driving Speed (load / unload)	21	km/h	10.5 / 10.5	10.5 / 10.5	10.5 / 10.5
Lifting Speed (load / unload)	22	mm/s	270 / 380	270 / 380	300 / 450
Lowering Speed (load / unload)	23	mm/s	400 / 350	400 / 350	450 / 400
Forward Speed (load / unload)	24	mm/s	100 / 100	100 / 100	100 / 100
Max. Gradeability (load / unload)	25	%	10 / 15	10 / 15	10 / 15
Front Wheel	26	mm	Φ267x135	Φ267x135	Φ330x100
Driving Wheel	27	mm	Φ343x140	Φ343x140	Φ343x140
Driving Motor Power	28	kw	6.4	6.4	6.4
Lifting Motor Power	29	kw	12.5	12.5	12.5
Battery Capacity / Voltage	30	Ah/v	360 / 48	360 / 48	480 / 48
Service Weight	31	kg	2950	3000	3550
Battery	32	kg	750	750	939



## Hand Pallet Truck

### Main Features

- Import Seal and chromate-treated piston rod.
- Easily steering 200°.
- Heavy duty design for moving heavy load.
- Unique hydraulic pump with less effort to lift heavy load easily.
- Conforms to CE safety standard.



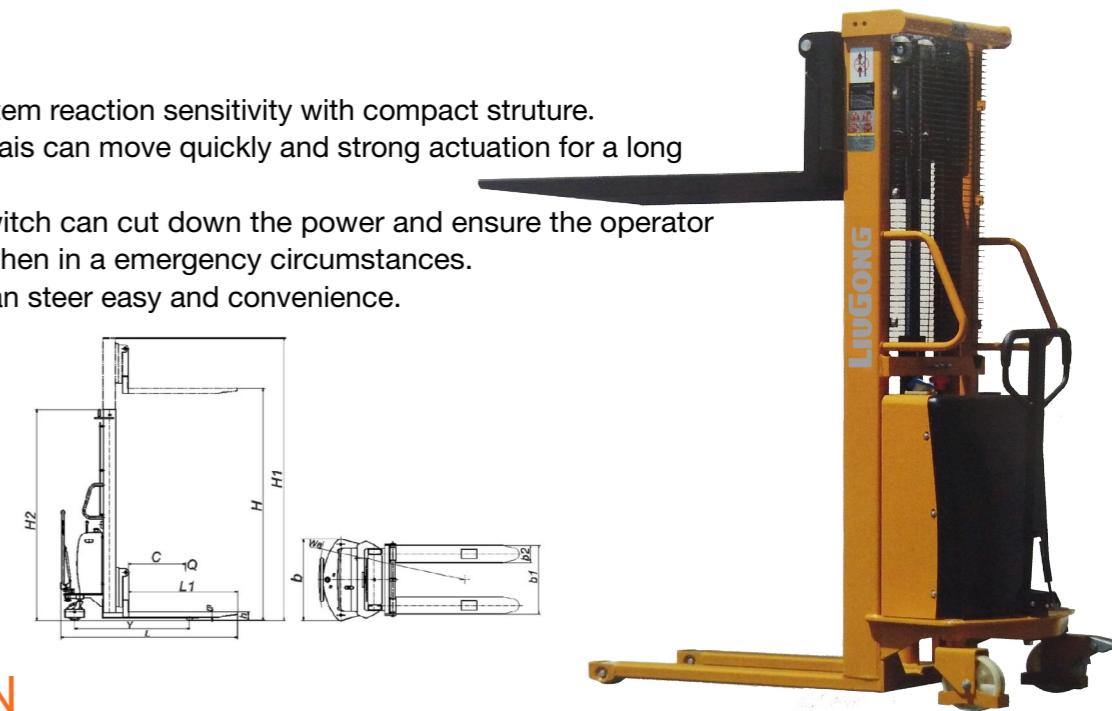
### SPECIFICATION

Feature	Model	1		CLG2025MJ	CLG2030MJ
	Power Type	2		Manual	Manual
Driving Type	3			Walking	Walking
Capacity	4	kg		2500	3000
Overall Length	5	mm		1540 / 1630	1540 / 1630
Overall Wide	6	mm		550 / 685	550 / 685
Min. Height of Fork	7	mm		75	
Max. Height of Fork	8	mm		188	
Fork	Length	9	mm	1150 / 1220	1150 / 1220
	Wide	10	mm	160	160
Service Weight	11	kg		65 / 70	70 / 75

## Semi-Electric Pallet Stacker

### Main Features

- Powerful hydraulic system reaction sensitivity with compact structure.
- The imported motor relais can move quickly and strong actuation for a long working time.
- Press the emergent switch can cut down the power and ensure the operator and equipment safety when in an emergency circumstance.
- Special control lever can steer easy and convenient.



### SPECIFICATION

Feature	Model	1		CLG2010H-WFS / CLG2015H-WFS						CLG2020H-WFS		
	Power Type	2		Semi-Electric								
Driving Type	3			Walking								
Capacity	4	kg		1000 / 1500						2000		
Load Centre	5	mm		600								
Overall Length	6	mm		1880								
Overall Width	7	mm	800	800	800	1000	1000	1000	1000	1600	2000	
Lifting Height	8	mm	1600	2500	2900	3100	3300	3500	3500	1600	2500	
Max. Height of Truck	9	mm	2090	3030	3430	3630	3830	4030	4030	2077	2567	
Overall Height	10	mm	1077	1800	2025	2125	2225	2325	2325	2077	2327	
Min. Height of Fork	11	mm	90									
Fork	12	mm	1150×160×56									
Fork Spread	13	mm	640									
Turning Radius	14	mm	1485									
Driving Motor Power	15	kw	1.5									
Battery Capacity / Voltage	16	Ah/v	120 / 12									
Service Weight (without battery)	17	kg	330/355	387/422	414/449	425/460	434/469	443/478	385	420		
Battery Weight	18	kg	27.5									

## Standing Type Electric Tow Tractor

### Main Features

- Compact structure, solid frame with strong traction power.
- Large capacity battery, keeps long-time working.
- Top quality control system from Curtis, makes the truck reacts quickly and operates easily.
- Optional EPS electric power steering system for easy to steering.
- Large and comfortable operation space. The back cushion can be adjust up and down.



### SPECIFICATION

Feature	Model	1	CLG2020L-CT	CLG2030L-CT
	Power Type	2	Electric	
Driving Type	3	Standing		
Capacity	4 kg	2000	3000	
Overall Length	5 mm	1400		
Overall Wide	6 mm	730		
Overall Height	7 mm	1660		
Standing Area	8 mm	500×680		
Backboard	9 mm	730×1080		
Wheel Base	10 mm	920		
Min. Ground Clearance	11 mm	80		
Turning Radius	12 mm	1180		
Performance	Driving Speed (load / unload)	13 km/s	5.8 / 7.0	
Motor	Power	14 Ah/v	1.5	2.2
	Battery Capacity / Voltage	15 kg	210/24	
Wheel	Front Wheel	16 mm	Φ230×70	
	Rear Wheel	17 mm	Φ200×80	
Weight	Balanced Wheel	18 mm	Φ100×45	
	Service Weight (without battery)	19 kg	535	
	Battery	20 kg	185	

## Seated Type Electric Tow Tractor

### Main Features

- The appearance of unique, luxury generous.
- Imported AC control technology, excellent performance, reliability, high efficiency, prolong the using time of battery, the longer service life.
- AC motor maintenance free, high speed with high torque output performance, good high speed performance, especially the electric braking performance at high speed.
- Optional EPS electric power steering system for easy to steering.
- Strong climbing ability and traction ability.
- The steering is light and flexible with automatic return, easy to deal with logistics transport narrow site.
- The tow tractor is simple and convenient to operate, and the driving is smooth and comfortable.



### SPECIFICATION

Feature	Model	1	CLG2020T-TS	CLG2030T-TS	CLG2040T-TS	CLG2050T-TS	CLG2060T-TS	
	Power Type	2	Electric		Electric		Electric	
Driving Type	3	Seated		Seated		Seated		
Capacity	4 kg	2000	3000		4000		5000	
Overall Length	5 mm	1730	1730		1880		1880	
Overall Wide	6 mm	800	800		800		800	
Overall Height	7 mm	1190	1190		1190		1190	
Wheel Base	8 mm	1140	1140		1290		1290	
Rear Overhang	9 mm	299	299		299		299	
Min. Ground Clearance	10 mm	80	80		80		80	
Turning Radius	11 mm	1588	1588		1748		1748	
Min. Right-angle aisle wide	12 mm	1778	1778		1938		1938	
Performance	Driving Speed	13 km/s	8		8		8	
Motor	Max. Gradeability	14 %	10		10		10	
	Power	15 kw	2		2		4.5	
Weight	Battery Capacity / Voltage	16 Ah/v	165 / 48		210 / 48		275 / 48	
	Service Weight (without battery)	17 kg	390		395		490	
	Battery	18 kg	350		415		500	