


WAREHOUSE TRUCK

NEW LINES



 **THUBAS TUNGGAL PERKASA**
Make it Better | Your Solutions | Customer is Our Goal

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TOUGH WORLD. TOUGH EQUIPMENT.

Li-ion Pallet Truck

Main Features

HIGHT PERFORMANC

- Standard lithium battery, maintenance free.
- Hight 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.

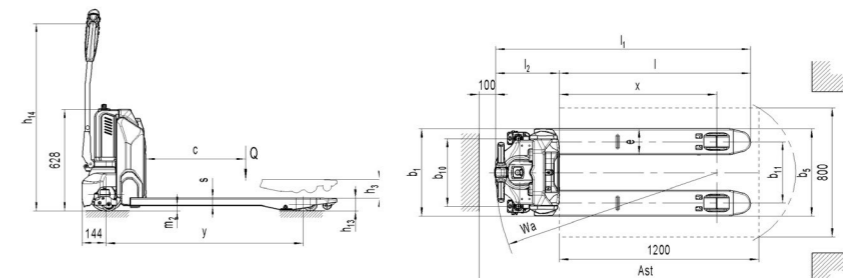


OPTIONS: Sigle loading wheel & 1070/1220/1525mm height Load Brackets.



SPECIFICATION

Specification	Model	1	CLG2015L	CLG2020L		
Power Type	2		Elctric	Elctric		
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	149	153
Loading Axle Load, Driving / Loading	9	kg	500 / 1123	626 / 1000	621 / 1528	625 / 1528
Unloading Axle Load, Driving / Loading	10	kg	96 / 27	99 / 27	115 / 34	119 / 34
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	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	540	685
Fork Size	24	s/e/l (mm)	47 / 160 / 1150	47 / 160 / 1150		
Fork Spread	25	b5 (mm)	540	685	540	685
Min Ground Clearance	26	m2 (mm)	33	33		
Aisle Width, 800x1200 pallet	27	Ast (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		



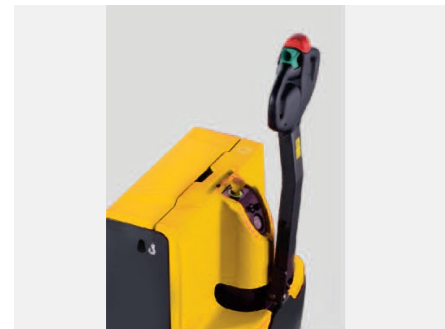
Electric Pallet Truck

Main Features



GERMANY AC DRIVE TECHNOLOGY

- The powerful German Schabmueller maintenance free AC Drive motor in combination with the German Kordel gearbox, Intorque 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 tiller's 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.



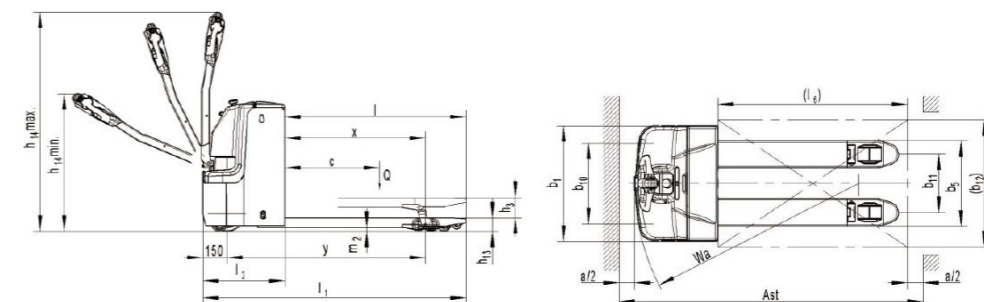
LONG LASTING BATTERY

- 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	
Driving Type	3		Walking	Walking	Walking		
Capacity	4	kg	1600	2000	2500		
Dimension	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	1541	
	Turning Radius	13	mm	1440	1490	1750	
	Performance	Driving Speed (load / unload)	14	km/h	5.7 / 6.0	5.7 / 6.0	5.5 / 6.0
Lifting Speed (load / unload)		15	mm/s	25 / 35	22 / 30	35 / 45	
Lowering Speed (load / unload)		16	mm/s	35 / 30	35 / 35	40 / 40	
Motor	Driving Motor Power	17	kw	1.3	1.3	1.7	
	Lifting Motor Power	18	kw	0.8	0.8	2.2	
	Battery Capacity / Voltage	19	Ah/v	160 / 24	210 / 24	350 / 24	
Wheel Dimension	Front Wheel	20	mm	Φ84×84			
	Balance Wheel	21	mm	Φ100×40			
	Driving Wheel	22	mm	Φ230×70			
Weight	Service Weight	23	kg	445	535	720	
	Battery	24	kg	150	215	285	



Electric Pallet Truck

Main Features



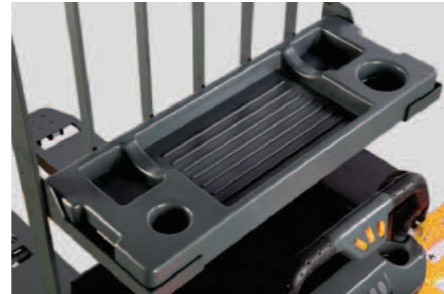
ROOMY PLATFORM

- The roomy platform ensures operator comfort throughout the day.



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.



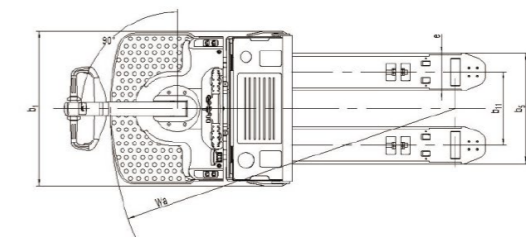
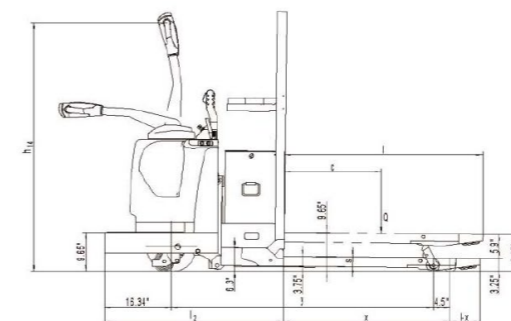
JOG BUTTON

- 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.



SPECIFICATION

Feature	Model		CLG2027L-FL		CLG2036L-FL		
	Model	1		CLG2027L-FL		CLG2036L-FL	
Poer Type	2		Electric		Electric		
Driving Type	3		Pedestrian		Pedestrian		
Capacity	4	kg	2700		3600		
Dimension	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	585	710
	Wheel Base	12	mm	1615		2130	
	Turning Radius	13	mm	2145		2660	
	Performance	Driving Speed (load / unload)	14	km/h	11/14		9.5/12
Lifting Speed (load / unload)		15	mm/s	38/49		30/40	
Lowering Speed (load / unload)		16	mm/s	55/50		45/42	
Motor	Driving Motor Power	17	kw	3.8		3.8	
	Lifting Motor Power	18	kw	2.2		2.2	
	Battery Capacity / Voltage	19	Ah/v	350 / 24		350 / 24	
Wheel Dimension	Front Wheel	20	mm	Φ82×82		Φ82×70	
	Balance Wheel	21	mm	Φ125×60			
	Driving Wheel	22	mm	Φ310×105			
Weight	Service Weight	23	kg	1070		1150	
	Battery	24	kg	320		320	



Electric Pallet Stacker

Main Features



BUILT-IN CHARGER

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



ROBUST PROFILE

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



POWERFUL BATTERY

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



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.

PROOFED COMPONENTS

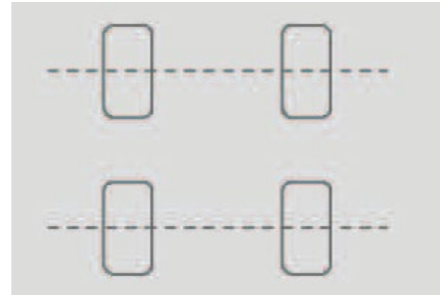
- Proofed components such as sensors, micro-switches, controller and hydraulic power-pack from international brands.

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.



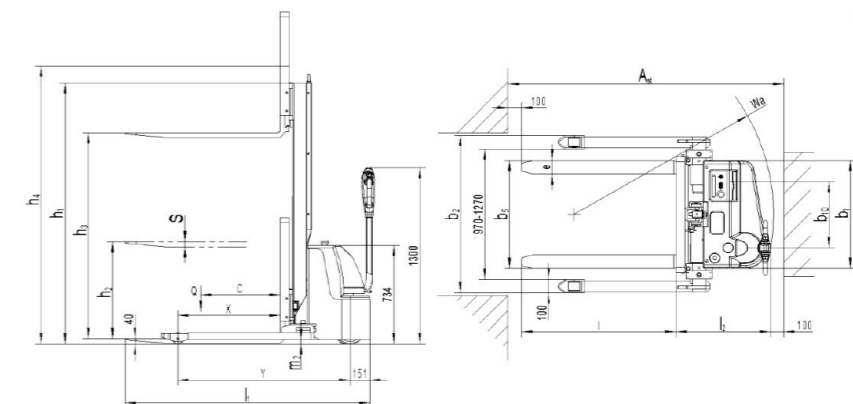
STABILITY

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



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 position 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	1150×150×60	1150×100×35	
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	
Driving Motor Power	20	kw	0.45	0.45	
Lifting Motor Power	21	kw	2.2	2.2	
Battery Capacity / Voltage	22	Ah/v	85/ 2×12	85/ 2×12	
Front Wheel	23	mm	Φ84×70	Φ84×70	
Steering Wheel	24	mm	Φ124×60	Φ124×60	
Driving Wheel	25	mm	Φ220×70	Φ220×70	
Service Weight	26	kg	510	756	
Battery	27	kg	2×25	2×25	



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 lowers operational forces than trucks with a short tiller.
- The tiller operating height is naturally positioned to ergonomic, operator friendly controlling positions.
- Specifically staking 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.

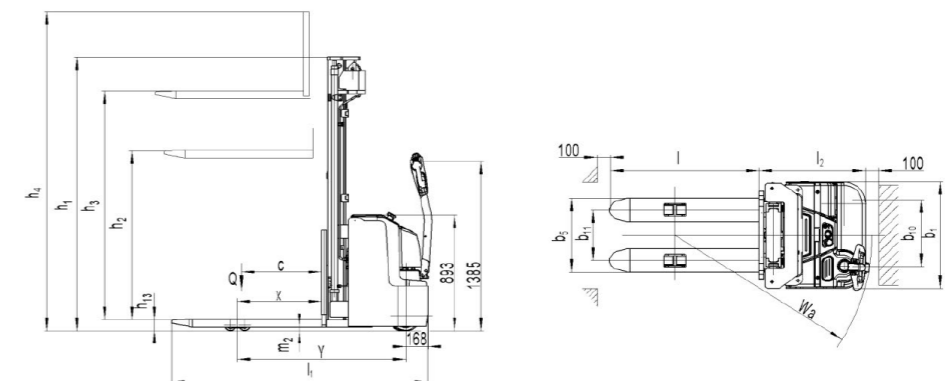
CAN-bus

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	
Dimension	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
	Performance	Driving Speed (load / unload)	17	km/h	6.0/6.0	5.7/6.0
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	Driving Motor Power	20	kw	1.3	1.3	1.7
	Lifting Motor Power	21	kw	1.5	3.2	3.2
Wheel Dimension	Battery Capacity / Voltage	22	Ah/v	180/24	270/24	350/24
	Front Wheel	23	mm	Φ84×70	Φ84×70	Φ84×70
	Steering Wheel	24	mm	Φ150×54	Φ150×54	Φ150×54
Weight	Driving Wheel	25	mm	Φ230×70	Φ230×70	Φ230×70
	Service Weight	26	kg	1007	1340	1579
	Battery	27	kg	175	230	288



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.



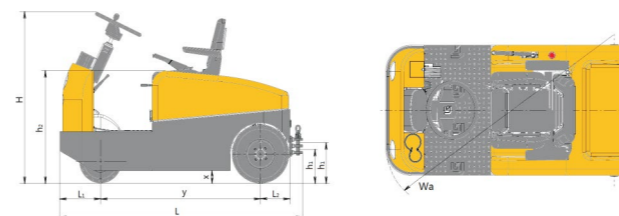
SPECIFICATION

Feature	Model		CLG2025MJ		CLG2030MJ	
	Power Type	2		Manual		Manual
Driving Type	3		Walking		Walking	
Capacity	4	kg	2500		3000	
Dimension	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	
Wide		10	mm	160		160
Weight	Service Weight	11	kg	65 / 70		70 / 75

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		CLG2020T-TS		CLG2030T-TS		CLG2040T-TS		CLG2050T-TS		CLG2060T-TS	
	Power Type	2		Electric		Electric		Electric		Electric		Electric
Driving Type	3		Seated		Seated		Seated		Seated		Seated	
Capacity	4	kg	2000		3000		4000		5000		6000	
Dimension	Overall Length	5	mm	1730		1730		1880		1880		1880
	Overall Wide	6	mm	800		800		800		800		800
	Overall Height	7	mm	1190		1190		1190		1190		1190
	Wheel Base	8	mm	1140		1140		1290		1290		1290
	Rear Overhang	9	mm	299		299		299		299		299
	Min. Ground Clearance	10	mm	80		80		80		80		80
	Turning Radius	11	mm	1588		1588		1748		1748		1748
Min. Right-angle aisle wide	12	mm	1778		1778		1938		1938		1938	
Performance	Driving Speed	13	km/s	8		8		8		8		8
	Max. Gradeability	14	%	10		10		10		10		10
Motor	Power	15	kw	2		2		4.5		4.5		4.5
	Battery Capacity / Voltage	16	Ah/v	165 / 48		210 / 48		275 / 48		300 / 48		350 / 48
Weight	Service Weight (without battery)	17	kg	390		395		490		485		495
	Battery	18	kg	350		415		500		525		615