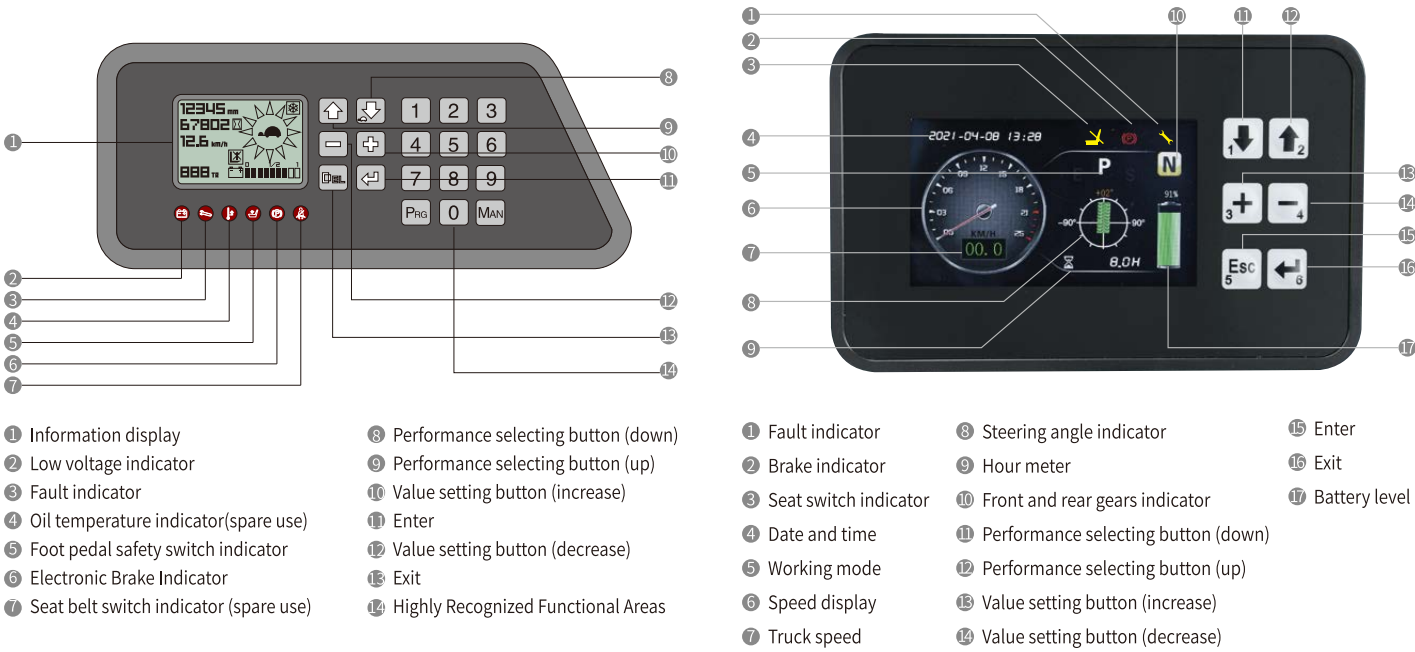
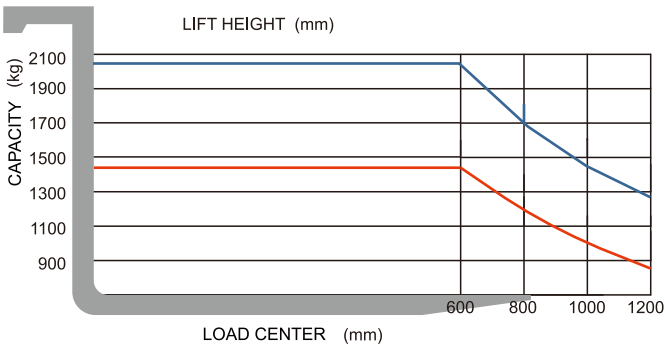


Reliable special designed instrument

The reliable special instrument gives a complete display of the vital information, like operation status, fault detection, etc. It ensures the operator predominate the vehicle status more intuitive and convenient.



LOAD CURVE



CQD15X2-GA2RHDLI
CQD15X2-GB2RHDLI

CQD20X1-GB2RHDLI

Note: The vertical axis stands for load capacity and the horizontal axis stands for load center which is calculated from the front surface of the forks to the gravity of the standard load. the standard load means a cubic with 1200mm edge length. When mast is tilted forward, using non-standard forks or loading large goods, the load capacity will be reduced. The load capacity of standard mast at different load center can be known from this load chart.

1.45-2 t
G Series Narrow-Aisle
Reach Truck
[Lithium Battery]
[Heavy Duty Type]



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Comfortable

- Side battery extraction and battery rollers come standard making for easier battery replacement
- Integrated, Intelligent control handle is convenient and comfortable to use
- With proportional hydraulic control, working is more stable and more precise
- Electronic power steering offer easy, flexible, high efficient and quite operation
- Steering is centers itself automatically on startup for a safer operation

Working efficiency

- Small turning radius makes steering flexible and easy
- Smaller load wheels easier to maneuver into the bottom of the shelf
- With optimal driving and lifting speeds, better working efficiency can be achieved
- With HELI's three speed modes, higher performance can be achieved
- Larger battery capacity for longer single shift time
- Bettering loading capacity and stability at higher lift heights

Energy efficiency

- With proportional controls, the truck is more energy efficient and has lower energy consumption
- All LED lights reduce lighting energy consumption by 80%
- Drive motor regenerative braking recycles more electric energy
- Electronic steering is more efficient saving energy

Maintainability

- Door, top cover and front all can be removed easily to allow great access to all chassis components for quick and easy maintenance
- With bolt type load wheel box installation, outrigger & load wheel maintenance are convenient and less costly

Safety



HELI's Intelligent control system automatic decelerates in sharp turns for safer operation



Parking brake is automatically applied on a slope or flat surface via a magnetic brake on the drive axle



Parking brake can also be activated by pressing button on the panel



Parking brake automatically activated when operator leave truck



Warning light and drive OPS system come standard to ensure complete truck safety



Regenerative braking provides extra power back to the electrical system releasing when the control handles is released



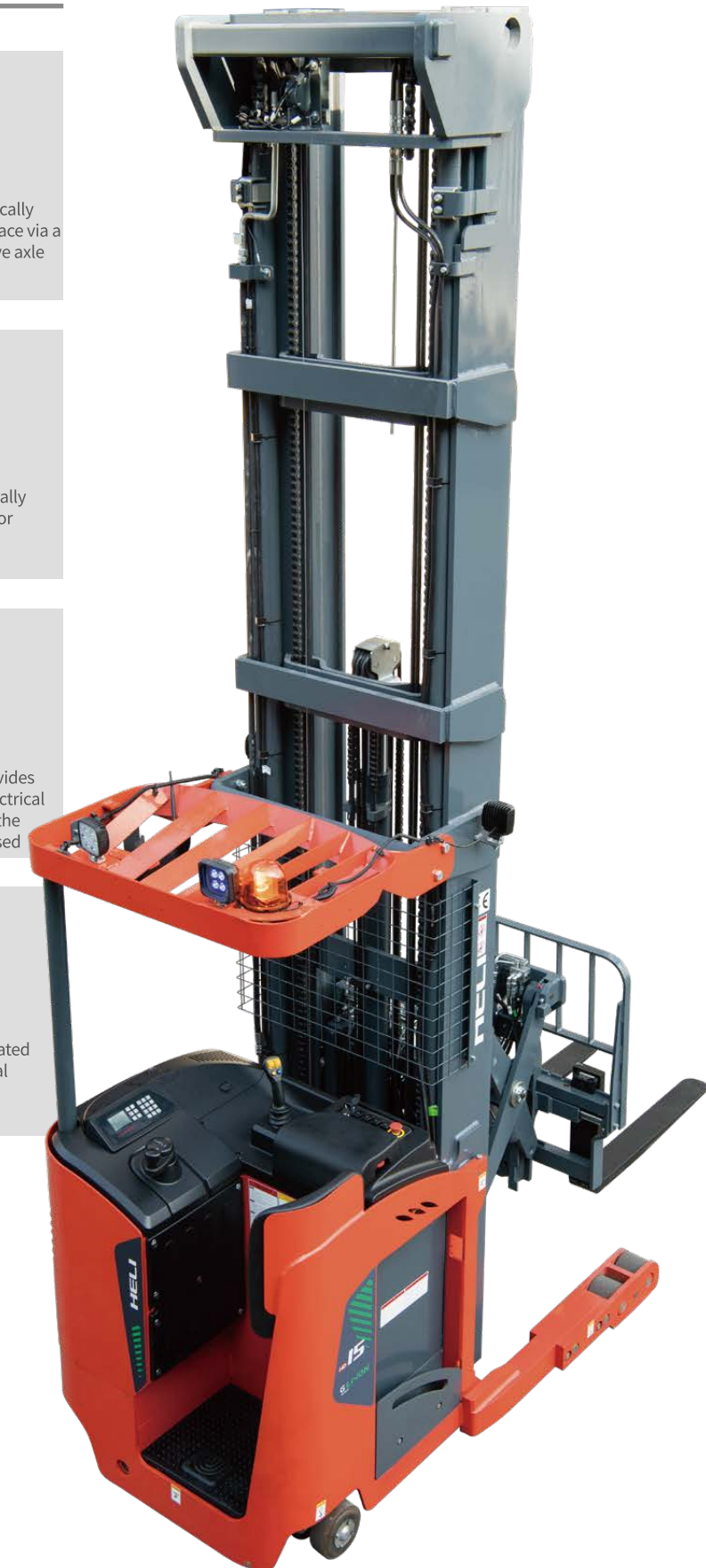
Emergency stop switch disengages power and applies brake automatically



Emergency brake is activated by releasing foot pedal



Five independent braking systems provide maximum, safe braking



CQD15X2-GA2RHDLI
CQD15X2-GB2RHDLI
CQD20X1-GB2RHDLI



Wide view mast and pantograph

- Comes standard with shift, tilt and reach functions
- Newly designed wide-view mast
- Pantograph maximize operator's view effectively when forks are retracted and extended
- Lift cylinder has end stroke cushions, while the controller provides in transit buffers to ensure smooth lifting and lowering functions
- The controller also provides in transit and end stroke buffers for smooth the fork retract function

Overhead guard

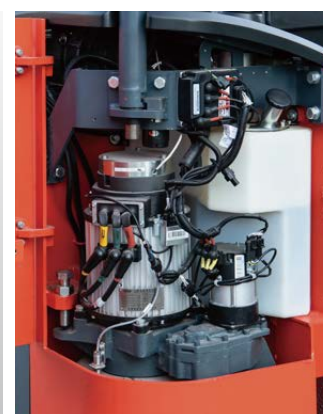
- The large arc shape of the overhead guard and properly angled grid slats greatly increase operator's upward view
- Rear leg connected to the chassis suspension, provide shock buffering from falling loads
- Without front legs, work view is improved

Comfortable operator's compartment

- Comfortable step height provides ease of access to operator's compartment while providing safety from the risk of pallet truck forks tip intrusion
- Padded waist and arm supports for operator's comfort
- Cushioned floorboard helps reduce operator for fatigue
- The operator's body is fully protected within the truck contours

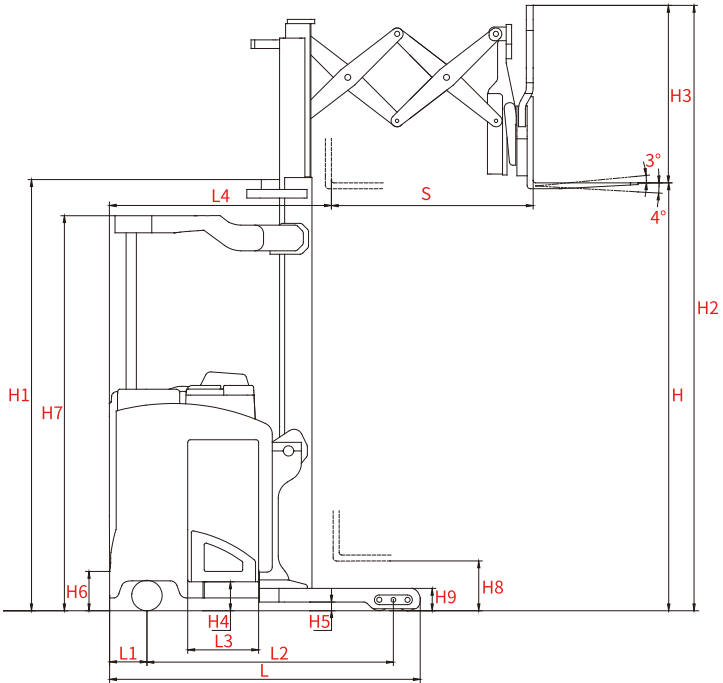
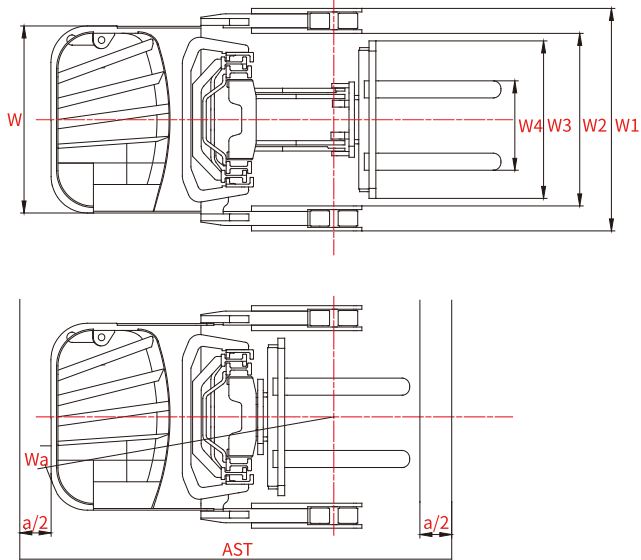
Operator display panel

- High quality meter displaying clearly the important operating data
- 180°steering angle position display
- Display of battery power and fault code
- Working mode selection
- Hour meter
- Labor hour display



MANUFACTURER’S DATA AND DESIGN CHARACTERISTICS						
Characteristics						
1.01	Manufacturer			HELI		
1.02	Model			CQD15X2	CQD15X2	CQD20X1
1.03	Configuration number			GA2RHDLI	GB2RHDLI	GB2RHDLI
1.04	Load capacity	Q	kg	1450	1450	2041
1.05	Load center distance	C	mm	600	600	600
1.06	Power model			Battery	Battery	Battery
1.07	Driving model			Stand-on	Stand-on	Stand-on
1.08	Wheel base	L2	mm	1613	1675	1675
1.09	Voltage		V	80	80	80
Tyre						
2.01	Tyre type			Polyurethane	Polyurethane	Polyurethane
2.02	Wheel number, drive/load/caster(X=drive wheel)			1×/4/2	1×/4/2	1×/4/2
2.03	Wheel size,load		mm	Φ152x95	Φ152x95	Φ152×95
2.04	Wheel size,drive		mm	Φ330×140	Φ330×140	Φ330×140
2.05	Wheel size,caster		mm	Φ178×76	Φ178×76	Φ178×76
Dimensions						
3.01	Lift height	H	mm	6860	8660	6860
3.02	Free lift	H1	mm	1914	2663	1914
3.03	Mast height,lowered	H8	mm	3036	3785	3036
3.04	Fork size,htickness/width/length	s/e/l	mm	40×122×920	40×122×920	40×122×920
3.05	Fork adjusting width	W4	mm	244~724	244~724	244~724
3.06	Tilt		deg	3°/4°	3°/4°	3°/4°
3.07	Fork sideshifting		mm	±50	±50	±50
3.08	Truck body length(fork excluded)	L	mm	2038	2100	2100
3.09	Truck body width	W	mm	1090	1090	1090
3.10	Straddle leg, inside width	W2	mm	1008	1008	1008
3.11	Straddle leg, outside width	W1	mm	1300	1300	1300
3.12	Fork carriage width	W3	mm	842	842	842
3.13	Reach distance	S	mm	1080	1080	600
3.14	Height of overhead guard	H7	mm	2320	2320	2320
3.15	Battery bottom clearance	H4	mm	180	180	180
3.16	Straddle clearance	H5	mm	50	50	50
3.17	Straddle height	H9	mm	155	155	155
3.18	Step height	H6	mm	250	250	250
3.19	Minimum turning radius	Wa	mm	1890	1960	1960
3.20	Drive wheel center to truck body rear distance	L1	mm	252	252	252
3.21	Fork front to truck body rear distance	L4	mm	1516	1592	1521
3.22	Aisle width with pallet 1200Lx1200w	Ast	mm	2931	3013	2956
3.23	Aisle width with pallet 1000Lx1000w	Ast	mm	2711	2792	2737
Performance						
4.01	Power Unit Travelling speed,with/without load		km/h	11.6/13	11.6/13	11.6/13
4.02	Forks Unit Travelling speed,with/without load		km/h	11/11	11/11	11/11
4.03	Lifting speed,with/without load		mm/s	330/520	330/520	330/520
4.04	Lowering speed,with/without load		mm/s	450/400	450/400	450/400
4.05	Maximum climb capability,with/without load		%	10/13	10/13	10/13
Weight						
5.01	Total weight(without battery)		kg	3332	3632	3340
5.02	Axle loading, no load (fornt/rear)		kg	2570/1560	2852/1780	2690/1690
5.03	Axle loading, loaded (fornt/rear)		kg	2376/3206	1849/2641	2420/3980
Battery						
6.01	Battery voltage/capacity k5		Ah	80/202	80/202	80/202
6.02	Minimum battery weight		kg	1000	1250	1250
6.03	Minimum battery weight		kg	800	1000	1000
6.04	Battery department size		mm	995x365x788	995x455x788	995x455x788
Motor and controller						
7.01	Driving motor power		kw	7	7	7
7.02	Lifting motor power		kw	18	18	18
7.03	Steering motor power		kw	0.6	0.6	0.6
7.04	Type of driving control			MOSFET/AC	MOSFET/AC	MOSFET/AC
7.05	Type of lifting control			MOSFET/AC	MOSFET/AC	MOSFET/AC
7.06	Type of steering control			MOSFET/AC	MOSFET/AC	MOSFET/AC
7.07	Transmission box			HELI special	HELI special	HELI special
7.08	Service brake			Electric	Electric	Electric
7.09	Parking Brake			Automatic	Automatic	Automatic
7.10	Hydraulic system working pressure		Mpa	21	21	21

AST:Right angle stacking aisle width
a:Clearance a=150mm



WIDE VIEW FULL FREE 3–STAGE MAST

Mast model	Lifting height (mm)	Free lifting height(mm)	Landing height of the gantry (mm)	Load capacity(kg)			Service Weight,Unl(kg)		
	CQD15X2-GA2RHDLI CQD15X2-GB2RHDLI CQD20X1-GB2RHDLI	CQD15X2-GA2RHDLI CQD15X2-GB2RHDLI CQD20X1-GB2RHDLI	CQD15X2-GA2RHDLI CQD15X2-GB2RHDLI CQD20X1-GB2RHDLI	CQD15X2- GA2RHDLI	CQD15X2- GB2RHDLI	CQD20X1- GB2RHDLI	CQD15X2- GA2RHDLI	CQD15X2- GB2RHDLI	CQD20X1- GB2RHDLI
ZSM502	5025	1316	2426	1450	1450	2041	3758	4008	3963
ZSM533	5330	1416	2526	1450	1450	2041	3820	4070	4025
ZSM560	5600	1506	2616	1450	1450	2041	3876	4126	4081
ZSM610	6100	1671	2781	1450	1450	2041	3977	4227	4182
ZSM650	6500	1815	2925	1450	1450	2041	4066	4316	4271
ZSM686	6860	1914	3036	1450	1450	2041	4135	4385	4340
ZSM762	7620	2208	3330	1150	1450	1814	4300	4550	4511
ZSM815	8150	2438	3560	950	1450	1750	4375	4630	4591
ZSM866	8660	2663	3785	800	1450	1650	4460	4710	4676
ZSM930	9300	2938	4060	/	1200	1550	/	4795	4763
ZSM1016	10160	3243	4365	/	930	1450	/	4965	4937
ZSM1070	10700	3398	4520	/	800	1350	/	5020	4995
ZSM1145	11450	4139	5260	/	/	910	/	/	5469

Standard configuration

- AC travelling motor
- AC lifting motor
- AC steering motor
- ZAPI travelling motor controller
- ZAPI lifting motor controller
- ZAPI steering motor controller
- Electromagnetic brake
- DC/DC converter
- Low noise gear pupm
- Electromagnetic proportional valve
- 5330mm three stage full free lift mast
- Integral pantograph
- Standard fork
- Overhead guard
- Load backrest
- Polyurethane tire
- LED combined display
- Front work light
- LED warning light
- Automatic steering slow down device
- Automatic Packing brake
- Operator's tool kit

Optional device

- Three-stage full free lift mast(other lifting height)
- Fork extension
- Lifting height pre-selector
- Monitoring system
- Other battery
- Germany HOPPECKER battery
- Italy FAAM battery
- Battery charger
- Custom paint
- Operator protection guard
- Smart fleet management system