

PRO PLUS

E 60/70 H

E 85/100 H

Configuration		
Safety	Steering deceleration	●
	Rear handle with horn for truck reversing	●
	Overspeed alarm (5km/h)	○
	Overspeed alarm(8km/h)	○
	Overspeed alarm (10km/h)	○
	Speed limit ((no ultimate limit type)	○
	Full set of OPS	●
	Safety switch for seat belt	○
	Hydraulic valve overload protection device	●
	Dry powder extinguisher (0.5kg)	○
	Dry powder extinguisher (2kg)	○
	Backward buzzer	○
	Reversing speaker (Chinese)	●
	Electronic upper buffering	●
	Wide- angle central rear view mirror	●
Rearview mirror on two sides+ Center wide angle rearview mirror	○	
Comfort	Semi-enclosure seat	●
	Full suspension seat	○
	1 USB interface (5V/1A)	●
	Super low torque steering unit	●
	Mechanical control valve	●
Cab/Windshields	Fan	○
	Panel mounted cab	○
	With heater and air conditioner for cooling	○
	Front windshield	○
	Rear windshield	○
Lings	Top windshield	○
	LED rear working lamp	○
	Front LED red/blue spotlight	○
	Rear LED red/blue spotlight	○
	Left, right and rear blue bar	○
	Fixed type LED flicker warning lamp	●
Others	Fixed type LED rotating warning lamp	○
	Fixed type LED rotating buzzer warning lamp	○
	Sleeve for steering cylinder	●
	Sleeves for steering cylinder and tilting cylinder	●
	Fork carriage (6-7t)	●
	Backrest (6-7t)	●
Hydraulic fork Positioner (8.5-10t)	●	
HELI FICS system	○	

Note: "●" standard; "○" optional;



LIION 6-10 t
Lithium-ion Battery
Forklift Truck



INNOVATIVE INTEGRATION CONCEPT LITHIUM LEADS THE FUTURE

HELI NEW PRODUCT · FULL OF POWER



INTEGRATED DRIVE SYSTEM

Powerful, safe and reliable



HIGH-EFFICIENCY LIQUID-COOLED PERMANENT MAGNET SYNCHRONOUS SYSTEM

High efficiency, low energy consumption,
Satisfying heavy working conditions and
High-intensity continuous operation



HIGH PROTECTION PARTS HIGH CHASSIS HIGH LOAD CAPACITY PNEUMATIC TIRES

Adapt to complex environment operations



SUPER FAST CHARGE

Effectively improve operation time,
Adapt to new energy vehicle charging pile

PRODUCT CHARACTERISTICS



A new generation design of the hidden rubber hose pulley block of the mast, wide view ahead

COMFORTABLE DRIVING, SAVE WORRY AND EFFORT

Ergonomic forward design, More comfortable driving.
Standard, imported, silent, hydraulic pump, Effectively improve the driving comfort.



Effectively improve operation time Adapt to new energy vehicle charging pile

SMART SECURITY COMPREHENSIVE PROTECTION

High and low voltage independent power distribution, Safer Easier to maintain.

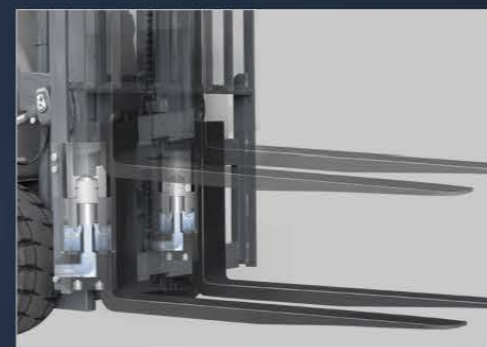
Independent driving brake Safe and Reliable, Energy-saving and efficient.



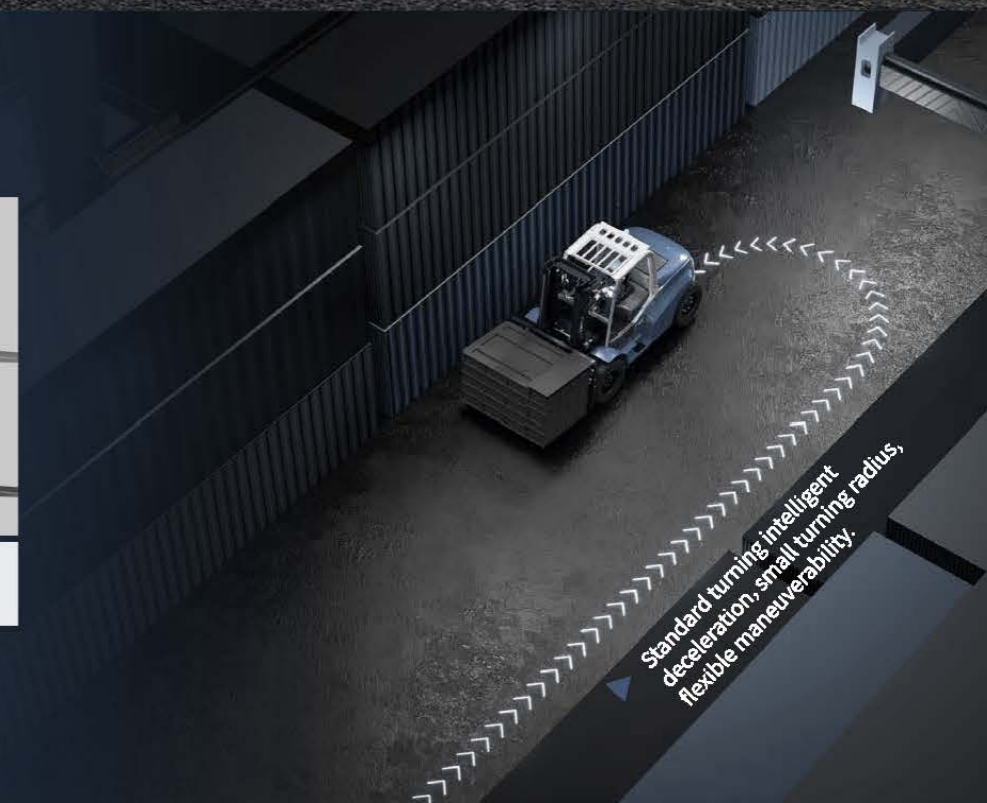
External service switch Easy to operate Effectively prevent electrified misoperation



Dedicated high voltage orange cable meet the standards of new energy vehicles, multi-layer protection, wear-resistant, eye-catching



Standard mast up and down buffer, avoid extreme impact, intelligent safety



Standard turning intelligent deceleration, small turning radius, flexible maneuverability.

EFFICIENT OPERATION, YIELD TWICE THE RESULT WITH HALF THE EFFORT

- Fast lifting speed, High loading and unloading efficiency.
- Optimize vehicle structure design, Higher carrying capacity. Easily cope with various heavy-duty job demands.

INDEPENDENT RESEARCH AND DEVELOPMENT, STABLE AND RELIABLE

- The whole machine frame, overhead guard, door frame mast, etc. have been analyzed and designed through CAE forward analysis, safe and reliable.
- Machine rain test, Bumpy road test, multiple rigorous tests, the protection level reaches IP67.
- The key core components and parts have been tested by high strength experiment.



EASY MAINTENANCE, RELAXED



Integrated electrical cabinet, embedded instrument, easy to disassemble and maintain



Integrated hydraulic cabinet, Easy maintenance of braking system



Open the hood at a wide angle. Detachable front and rear baseplate. Easy to check, replace and repair.

PERSONALIZED CUSTOMIZATION, RICH CONFIGURATION



Solid tire



Lighting



Reversing image



Thumb switch



Dual power system, can meet different options

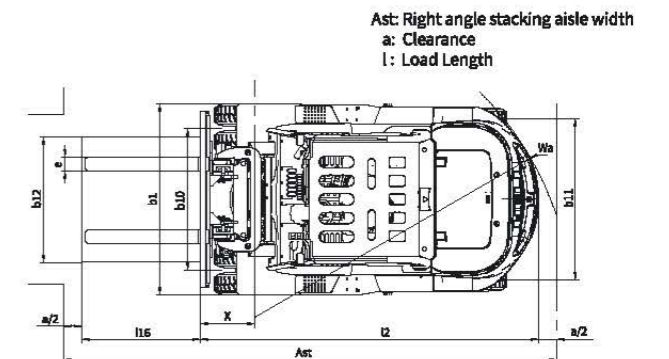
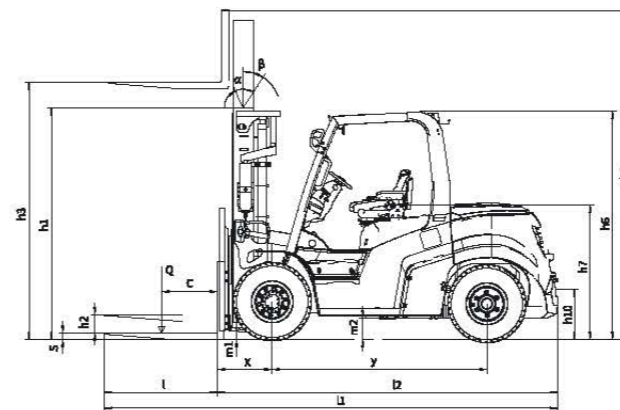


Autonomous system Weide system



Manufacturer and Technical Data

Manufacturer		RY							
		E60 H		E70 H		E85 H		E100 H	
1.01	Model	A11LIG2-H A6LIG2-H		A11LIG2-H A6LIG2-H		A11LIG2-M A6LIG2-M		A11LIG2-M A6LIG2-M	
1.02	Configuration number								
1.03	Rated capacity	Q	kg	6000		7000		8500	
1.04	Load center distance	c	mm			600			
1.05	Power mode	Lithium battery							
1.06	Driving mode	Seated							
1.07	Front overhang	x	mm	580		585		687	
1.08	Wheelbase	y	mm	2300		2500		2775	
Weight									
2.01	Total weight (with/without battery)		kg	8965/8335		9580/8950		11800/11065	
2.02	Axle load (laden, front/rear)		kg	13390/1575		14770/1810		18300/2000	
2.03	Axle load (unladen, front/rear)		kg	4310/4655		4165/5415		5400/6400	
Tyres									
3.01	Tyre type	Pneumatic tyre							
3.02	Tyre size, front	8.25-15-14PR				9.00-20-14PR			
3.03	Tyre size, rear	8.25-15-14PR				9.00-20-14PR			
3.04	Wheels, number front/rear (x=driven wheels)					4x/2			
3.05	Tread, front	b ₁₀	mm	1520				1600	
3.06	Tread, rear	b ₁₁	mm			1700			
Dimensions									
4.01	Mast tilt angle (forward/backward)	α/β	°			6/12			
4.02	Height (mast lowered)	h ₁	mm	2480		2700		2850	
4.03	Free lifting height	h ₂	mm	160		165		190	
4.04	Lifting height (standard)	h ₃	mm			3000			
4.05	Max. height, extended (with backrest)	h ₄	mm	4400		4250		4415	
4.06	Height of overhead guard	h ₅	mm	2450				2560	
4.07	Seat height relating to SIP (to ground)	h ₇	mm	1435				1540	
4.08	Towing coupling height	h ₁₀	mm	535				600	
4.09	Overall length (with fork)	l ₁	mm	4795		4865		5172	
4.10	Overall length (without fork)	l ₂	mm	3575		3645		3952	
4.11	Overall width	b ₁	mm	2045				2165	
4.12	Fork size: thickness x width x length	s/e/l	mm	60×150×1220		65×150×1220		70×175×1220	
4.13	Fork carriage, according to ISO2328			4A					
4.14	Distance across fork-arms, Max./Min.	b ₅	mm	1845/300		1990/470		2100/470	
4.15	Ground clearance (at mast)	m ₁	mm	180				250	
4.16	Ground clearance (center of wheelbase)	m ₂	mm	230				325	
4.17	Right angle stacking aisle width for pallet 1000x1200mm crossways	A _x	mm	5060		5125		5517	
4.18	Right angle stacking aisle width for pallet 800x1200mm lengthways	A _y	mm	5260		5325		5717	
4.19	Min. outside turning radius	W _a	mm	3280		3340		3630	
Performance Data									
5.01	Travel speed (laden/unladen)		km/h	25/25		25/25		20/20	
5.02	Lift speed (laden/unladen)		mm/s	425/460		440/480		365/460	
5.03	Lowering speed (laden/unladen)		mm/s			Without load ≥ 300/with full load ≤ 600			
5.04	Max. drawbar pull (laden)		kN	47000		47000		55000	
5.05	Max. gradeability (laden/unladen)		%	25/25		25/25		20/20	
5.06	Acceleration time(10 m)(laden/unladen)		s	5.2/4.9		5.2/4.9		5.4/5	
Battery									
6.01	Battery voltage/Capacity		V/Ah	326.4/150		326.4/150		326.4/202	
6.02	Battery weight		kg	630		630		735	
Motor and controller									
7.01	Driving motor powering (S2-60min)		kW	50		60		50	
7.02	Lifting motor powering (S3-15%)		kW	30x2		27.8x2		30x2	
7.03	Driving motor controlling mode			IGBT/AC					
7.04	Lifting motor controlling mode			IGBT/AC					
Addition data									
8.01	Service brake/Parking brake			Hydraulic/mechanical					
8.02	Relief pressure		Mpa	14					



Ast: Right angle stacking aisle width
a: Clearance
l: Load Length

6-7t Wide View Standard Mast

Mast model	Max.lifting height (mm)	Load capacity (lode center 600mm)(kg)		Height (mast lowered)(mm)	Service weight (kg)		Mast tilt angle α/β (°)
		E60 H	E70 H		E60 H	E70 H	
M200	2000	6000	7000	2080	8865	9475	6/12
M250	2500	6000	7000	2230	8885	9495	6/12
M270	2700	6000	7000	2330	8905	9515	6/12
M300	3000	6000	7000	2480	8965	9580	6/12
M330	3300	6000	7000	2630	9005	9615	6/12
M350	3500	6000	7000	2730	9035	9645	6/12
M375	3750	6000	7000	2855	9080	9690	6/12
M400	4000	6000	7000	3030	9245	9855	6/12
M425	4250	6000	7000	3155	9285	9895	6/12
M450	4500	6000	7000	3280	9325	9935	6/12
M475	4750	6000	7000	3405	9365	9975	6/6
M500	5000	6000	7000	3530	9405	10015	6/6
M550	5500	5700	6600	3830	9600	10210	6/6
M600	6000	5400	6400	4080	9680	10290	6/6

6-7t Wide View Full Free 2-Stage Mast

Mast model	Max.lifting height (mm)	Load capacity (lode center 600mm)(kg)		Height (mast lowered) (mm)	Free lift (with backrest) (mm)	Service weight (kg)		Mast tilt angle α/β (°)
		E60 H	E70 H			E60 H	E70 H	
ZM250	2500	6000	7000	2210	840	8995	9605	6/12
ZM270	2700	6000	7000	2310	940	9030	9640	6/12
ZM300	3000	6000	7000	2460	1090	9090	9700	6/12
ZM330	3300	6000	7000	2610	1240	9145	9755	6/12
ZM350	3500	6000	7000	2710	1340	9185	9795	6/12
ZM375	3750	6000	7000	2835	1465	9230	9840	6/12
ZM400	4000	6000	7000	3010	1640	9405	10015	6/12
ZM425	4250	6000	7000	3135	1765	9460	10070	6/12
ZM450	4500	6000	7000	3260	1890	9500	10110	6/12
ZM475	4750	6000	7000	3385	2015	9550	10160	6/6
ZM500	5000	6000	7000	3510	2140	9585	10195	6/6
ZM550	5500	5700	6600	3810	2440	9805	10415	6/6
ZM600	6000	5400	6400	4060	2690	9900	10510	6/6

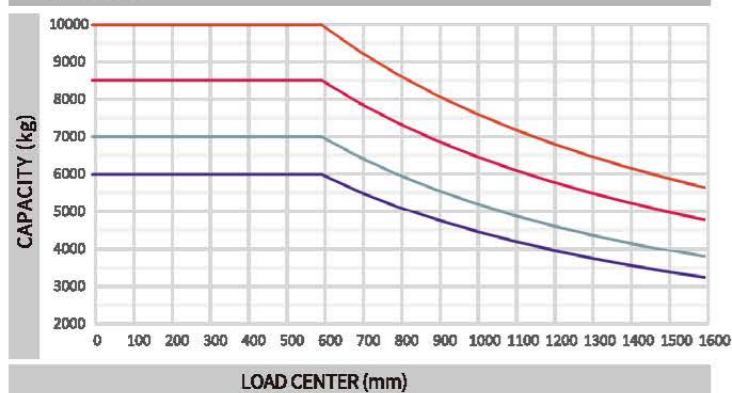
Note: (1) 6t: the free lift without backrest 260mm increased, (2) 7t: the free lift without backrest 180mm increased.

6-7t Wide View Full Free 3-Stage Mast

Mast model	Max.lifting height (mm)	Load capacity (lode center 600mm)(kg)		Height (mast lowered) (mm)	Free lift (with backrest) (mm)	Service weight (kg)		Mast tilt angle α/β (°)
		E60 H	E70 H			E60 H	E70 H	
ZSM360	3600	5600	6200	2335	910	9540	10150	6/6
ZSM400	4000	5600	6200	2460	1040	9600	10210	6/6
ZSM435	4350	5600	6200	2585	1156	9655	10265	6/6
ZSM480	4800	5600	6200	2740	1310	9855	10465	6/6
ZSM500	5000	5600	6200	2805	1380	9885	10495	6/6
ZSM540	5400	5300	6000	2940	1510	9955	10565	6/6
ZSM600	6000	5000	5600	3135	1710	10045	10655	6/6
ZSM650	6500	4500	5000	3405	1975	10130	10740	6/6
ZSM700	7000	4000	4500	3510	2085	10185	10795	6/6

Note: (1) 6t: the free lift without backrest 260mm increased, (2) 7t: the free lift without backrest 180mm increased.

Load curve



— CPD60
— CPD70
— CPD85
— CPD100

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 1000mm 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.

8.5-10t Wide View Standard Mast

Mast model	Max.lifting height (mm)	Load capacity (lode center 600mm)(kg)		Height (mast lowered)(mm)		Service weight (kg)		Mast tilt angle α/β (°)
		E85 H	E100 H	E85 H	E100 H	E85 H	E100 H	
M250	2500	8500	10000	2450	2600	11120	12750	6/12
M270	2700	8500	10000	2550	2700	11175	12790	6/12
M300	3000	8500	10000	2700	2850	11800	12860	6/12
M330	3300	8500	10000	2850	3000	11900	12920	6/12
M350	3500	8500	10000	2950	3100	12045	12965	6/12
M375	3750	8300	10000	3075	3225	12125	13015	6/12
M400	4000	8300	10000	3250	3400	12300	13155	6/12
M425	4250	8000	10000	3375	3525	12455	13210	6/12
M450	4500	8000	9000	3500	3650	12575	13260	6/12
M475	4750	8000	9000	3625	3775	12720	13315	6/6
M500	5000	7800	9000	3750	3900	12835	13370	6/6
M550	5500	7500	8000	4050	4200	13160	13675	6/6
M600	6000	7200	7500	4300	4450	13360	13725	6/6

8.5-10t Wide View Full Free 3-Stage Mast

Mast model	Max.lifting height (mm)	Load capacity (lode center 600mm)(kg)		Height (mast lowered)(mm)		Free lift (with backrest) (mm)		Service weight (kg)		Mast tilt angle α/β (°)
		E85 H	E100 H	E85 H	E100 H	E85 H	E100 H	E85 H	E100 H	
ZSM360	3600	7500	8000	2450	2570	1200	1150	12440	13610	6/12
ZSM400	4000	7500	8000	2575	2700	1330	1280	12510	13700	6/12
ZSM435	4350	7400	7800	2700	2820	1450	1400	12585	13780	6/12
ZSM450	4500	7300	7800	2750	2870	1500	1450	12615	13820	6/6
ZSM480	4800	7000	7300	2850	2970	1600	1550	12675	13890	6/6
ZSM500	5000	7000	7300	2950	3035	1700	1615	12730	13935	6/6
ZSM540	5400	6600	6800	3075	3225	1830	1805	12805	13470	6/6
ZSM600	6000	5800	6000	3375	3425	2130	2005	12975	14390	6/6
ZSM650	6500	5300	5500	3600	3590	2350	2170	13105	14325	6/6
ZSM700	7000	4500	4600	3750	3855	2500	2435	13195	14505	6/6

Note: 8.5-10t: free lift without backrest.

Battery configuration

Model	Standard battery capacity	Optional battery capacity		
	RY	RY	RY	ENEROC
CPD60/70	326.4V/150Ah	326.4V/202Ah	326.4V/250Ah	/
CPD85	326.4V/202Ah	326.4V/250Ah	/	/
CPD100			336V/280Ah	/

Chargers

Charger model	D336V100ALI-425	D336V150ALI-423
rated input voltage	AC380V±15%	
rated frequency	45HZ-60HZ	
Input power	≤40KVA	≤60KVA
Protection class	IP20	
Rated output voltage	200V-500V	
Rated output current	5A-100A	5A-150A
Rated output power	40KW	50.4KW
Cooling type	Forced cooling	
Operating temperature	-20°C-50°C	
Power plug	International universal charging plug	
Model	CPD60/70-A11LIG2-H	
	CPD85/100-A11LIG2-M	
	CPD60/70-A6LIG2-H	
	CPD85/100-A6LIG2-M	