

# **1.6-2.0 t G2 series AC Electric Reach Truck**Sit Down Type (High Efficiency)



### 1.6-2.0 t G2 series

### AC Electric Reach Truck Sit Down Type (High Efficiency)

## >> FEATURES OF THE COMPLETED TRUCK

#### Three phase AC type motor technology

- > Three phase AC type motor control on travelling, lifting and steering
- > Good acceleration
- > Fast and sensitive respond on travel direction shifting Free from maintenance motor without carbon brush having long service life and low maintenance cost
- > Energy regenerating during deceleration extending operation hours
- > Max. travelling speed without load 20% increased
- > Max. travelling speed with load 27% increased

#### Newly designed hydraulic system

- > Newly designed hydraulic system with high working efficiency
- > High power lifting motor
- MOSFET lifting speed governing electric controller
- > New type low noisy gear pump
- > Max. lifting speed without load 15% increased
- > Max. lifting speed with load 25% increased



#### Optimized intelligent design

- > ZAPI travelling motor controller
- > ZAPI lifting motor controller
- > ZAPI steering motor controller
- > CAN bus technology
- > Emergency power off of both main circuit and control circuit
- > Parking brake on slope
- > Operation sequence protection
- > Travelling speed control
- > Electric controller self protection
- > Lifting height pre-selector (optional)

#### Advanced EPS electric powered steering

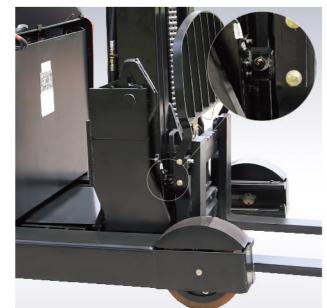
- > EPS electric powered steering offering easy, flexible, high efficient and mute operation
- > Steering motor controller
- > Automatic centering function
- > Real-time shifting between 180°steering mode and 360° steering mode
- Automatic limit on speed and accelerated speed when steering

#### Easy operated thumb switch

- > To control hydraulic functions
- > Clear operating units
- Proportional solenoid offering a stable and comfort lowering action











#### Displayer

- High quality meter displaying important operating data
- Display of traveling direction and drive wheel angle
- ightarrow Display of 180°/360° steering mode
- > Display of battery quantity and fault code
- Travelling mode selectionLifting lock indication
- > Hour meter
- > Labor hour display
- > Time
- > Fork height display (optional)

#### Wide view mast

- > Good view when loaded
- > Integral sideshifter
- > Mast vertical, fork tilt
- High residual load capacity at high lift height
- > Lift height range:4600-12500mm
- > Buffering during lifting and lowering
- > Buffering on lifting and lowering limit> Buffering when cylinder moving forward

#### Comfort cab

- Comfort cab offering driver good working environment and easy operation
- > Easy reach to important operation
- > Adjustable seat (seat position /backrest angle )

#### Overhead guard

- > Fence on top of the overhead guard offering driver wide view
- > Beveled view angle design with front ring beam meeting humanized requirements



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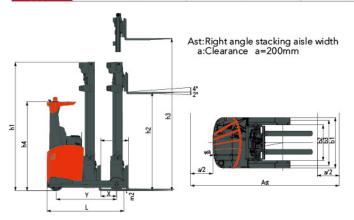
Character Manufacturer			HE			
				CQD20		
				GB2S		
	0	ka		2000		
			Battery			
			Seated			
	Υ	mm		1515		
			Polyurethane			
			1x/2			
	b3	mm	1157	1143		
				ф 330×100		
		†		ф 343x114		
	·		, , , , , , , , , , , , , , , , , , , ,	,		
15-94-0-0-0	h3	mm	4600	4600		
Free lift	h2	mm	1280	1280		
		·		2314		
				40x122x1150		
	3.371	mm	0~724	0~724		
	α/Β	٥		2°/4°		
		mm		±75		
	L			1942		
				1270		
				900		
				620		
		·		2215		
		··········		75		
		·		1751		
		<del> </del>		383		
		·		2965		
		·		2810		
	Ast		2700	2010		
A 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		km/h	11/12	12/14		
				0.35/0.55		
		·		0.5/0.5		
				0.11/0.11		
		÷		10/15		
		,,,	10/10	10/10		
		ka	3395	3560		
				1590/1970		
		·		2230/1330		
		·		550/5010		
Axle load, fork retracted, with load, front/rear				1960/3600		
<u> </u>		V/Ah	48/450	48/560		
		·	750	967		
				1220x352x784		
				. LEGAGOEAT O		
		kW	6	8		
				12.5		
				0.4		
		K.,				
		l				
I ransmission pox			HELI special transmission box			
Transmission box Service brake						
Service brake Hydraulic system working pressure		Мра	Electromag			
	Mast height, lowered Fork size:thickness×width×length Fork adjusting width Fork tilt angle (front/rear) Fork sideshifting Truck body length (fork excluded) Truck body width Distance between support arms Reach distance Height of overhead guard (cab) Ground clearance, below mast Turning radius Load distance, centre of support arm wheel to face of forks Aisle width with pallet 1200 x 1200 across forks Aisle width with pallet 1000 x 1200 across forks Performance Travelling speed: with/without load Lifting speed: with/without load Lowering speed: with/without load Reach speed, with/without load Maximum climbing ability, with/without load Weight Total weight (with battery) Axle load,fork outreached,without load,front/rear Axle load,fork outreached,with load,front/rear Axle load,fork outreached,with load,front/rear	Model Configuration number Load capacity	Model Configuration number Load capacity	Model   Configuration number   GB2S   GB2		

NOTE: \*Detailed information about battery, please contact our salesmen or engineer.



Mast model	Lifting height (mm) h3		Free lifting height (mm) h2		Mast height, lowered (mm)h1		Load capacity (kg)		Total weight (kg)		Fork tilt angle (front/rear)
	CQD16	CQD20	CQD16	CQD20	CQD16	CQD20	CQD16	CQD20	CQD16	CQD20	α/β
ZSM460	4600	4600	1280	1280	2314	2314	1600	2000	3395	3560	2°/4°
ZSM480	4800	4800	1340	1340	2381	2381	1600	2000	3410	3580	2°/4°
ZSM540	5400	5400	1540	1540	2581	2581	1600	2000	3454	3640	2°/4°
ZSM570	5700	5700	1640	1640	2681	2681	1550	1900	3476	3670	2°/4°
ZSM630	6300	6300	1840	1840	2881	2881	1500	1900	3521	3730	2°/4°
ZSM675	6750	6750	1940	1940	2982	2982	1450	1800	3576	3775	2°/4°
ZSM700	7000	7000	2030	2030	3065	3065	1400	1700	3595	3800	2°/4°
ZSM715	7150	7150	2080	2080	3115	3115	1400	1700	3606	3820	2°/4°
ZSM750	7500	7500	2190	2190	3232	3232	1300	1700	3633	3850	2°/4°
ZSM800	8000	8000	2360	2360	3398	3398	1200	1500	3669	3900	2°/4°
ZSM850	8500	8500	2530	2530	3564	3564	1100	1300	3706	3950	2°/4°
ZSM900	9000	9000	2690	2690	3730	3730	900	1100	3742	4000	2°/4°
ZSM950	9500	9500	2860	2860	3898	3898	800	1000	3780	4050	2°/4°
ZSM1000	-	10000	-	3030	-	4064	-	850	-	4100	2°/4°
ZSM1050	-	10500	-	3190	-	4230	-	800	-	4150	2°/4°
ZSM1080	-	10800	-	3290	-	4330	-	750	-	4180	2°/4°
ZSM1100	-	11000	-	3360	-	4398	-	700	-	4200	2°/4°
ZSM1150	-	11500	-	3530	-	4564	-	650	-	4250	2°/4°
ZSM1200	-	12000	-	3690	-	4730	-	550	-	4300	2°/4°
ZSM1250	-	12500	-	3860	-	4898	-	500	-	4350	2°/4°

Mast model	Lifting height (mm) h3	Free lifting height (mm) h2		Mast height, lowered (mm)h1		Load capacity (kg)		Total weight (kg)		Fork tilt angle (front/rear)
	CQD16 CQD20	CQD16	CQD20	CQD16	CQD20	CQD16	CQD20	CQD16	CQD20	α/β
M290	2900	80		2200		1600	2000	3140	3660	2°/4°
M320	3200	80		2350		1600	2000	3150	3370	2°/4°
M360	3600	80		2550		1600	2000	3180	3400	2°/4°
M380	3800	80		2650		1600	2000	3200	3420	2°/4°
M400	4000	80		27		1600	2000	3210	3430	2°/4°
M420	4200	80		2850		1600	2000	3230	3450	2°/4°
M440	4400	80		2950		1600	2000	3240	3460	2°/4°
M460	4600	80		3050		1600	2000	3300	3510	2°/4°
M500	5000	80		32	50	1500	1900	3320	3540	2°/4°

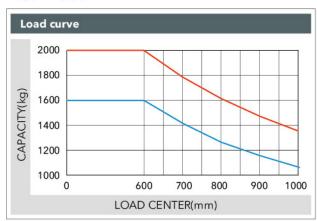




#### Renewable energy technologies

With the use of AC controlling renewable energy technologies, the forklift is more energy-saving and the working hour of the battery is extended by 15%.

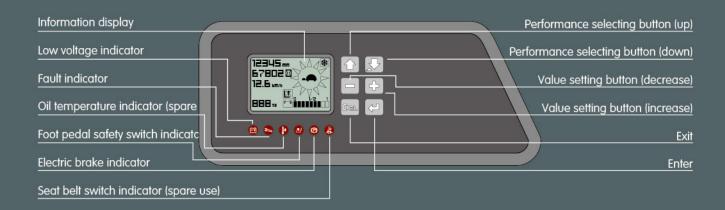




Note: The vertical axis denotes capacity and the horizontal axis denotes load center, which is calculated from front face of fork to centre of load. Standard load is one cubic metre hence 500mm load centre. When tilting forward or using non-standard forks, the capacity will be reduced as load center is increased.



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.



#### 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 noisy gear pump

Control valve (four throw)

4600mm three stage full free lift

mast

Integral sideshifter

Standard fork

Backrest

Polyurethane tyre

LED meter

Front working light

Warning light

#### OPTIONAL DEVICE

Three-stage full free lift mast (other lifting

height)

fork with other length

Fork extension

Lifting height pre-selector

Monitoring system

Other battery

Germany hoppecker battery

Italy FAAM battery

Battery charger

Customer made color







#### **HELI CANADA**

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