

**HELI**

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**HELI**

## **CQD14X2 / CQD16-18X1** **3000-4000 lbs [1.4-1.8t]**

**48V Reach Truck**  
**G Series AC Electric**



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**LIION**

**CQD14X2**  
GA2RLI/GB2RLI/GC2RLI

**CQD16X1**-GB2RLI  
**CQD18X1**-GB2RLI



**CQD14X2**  
**CQD16X1**  
**CQD18X1**  
GA2RLI GB2RLI GC2RLI

## Operator comfort

- Rear padding and armrest help reduce fatigue
- Multifunction control is ergonomically designed and easy to use
- All controls are within easy reach to help reduce body strain
- Compartment floor is angled and spring suspended to reduce leg and back strain

## Energy efficiency

- With an optimized hydraulic system, truck is more energy efficient
- All LED lights saves 80% of lighting energy
- Regenerative motor braking recycles more energy during braking cycles
- Programmable speed and acceleration settings can be set for maximum energy efficiency

## Safety



Side stance improves operator's visibility both forward and backward



Automatic park brake applies when operator leaves the compartment or shuts forklift off



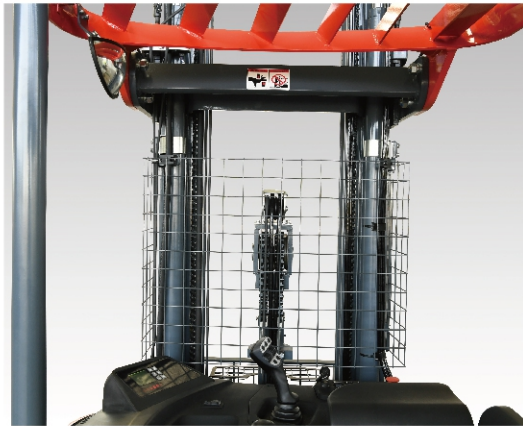
Programmable automatic deceleration in turns adds to safe operation



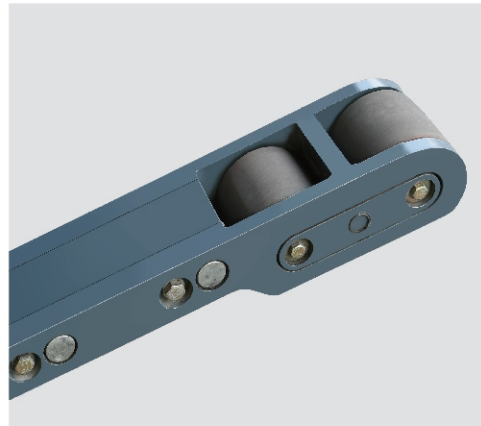
Warning lights and OPS system come standard



Operator compartment provides comfort and efficient operation



Great visibility for improved operation and safety



Bolt on outrigger boxes and easy change load wheels



Easy access to drive components

## Improved operator's view

- Large, rounded overhead guard is stylish and combined with strategically angled bars provides maximum visibility
- Newly designed, wide view mast with special chains enlarges the operator's view looking forward

## Working efficiency

- Small turning radius makes steering flexible and easy
- With ZAPI control and AC powered motors, drive and lift systems can be programmed for maximum efficiency and performance
- The large battery capacity for longer single shift work operation
- With standard battery roller and side removal, battery change is quick and easy

## Serviceability

- Side door gives easy access to drive motor and gearbox
- Chassis components are well laid-out and can be accessed with removable top and front covers



Adjustable backrest and armrest help reduce fatigue

## Wide view mast and pantograph

- Comes standard with side shift, tilt and reach functions
- Wide-view mast and pantograph maximize operator's view
- Lift cylinders have end stroke cushions for smooth stopping
- ZAPI controller provides in transit buffers to ensure smooth lifting and lowering throughout the lifting cycle
- The controller also provides in-transit and end stroke buffer for the reach function

## Overhead guard

- Overhead guard attaches directly to mast to eliminate front guard legs
- Optimally designed for maximum operator visibility
- Standard with left side guard leg for added strength
- Optional operator compartment guard leg for added safety



# Heli's New Reach Trucks

## Designed for productivity



ZAPI smart display & multi-function joystick

## Designed for safety



Standard lights, mesh finger guard  
& overhead guard with leg

## Designed for serviceability



Easy to remove covers to access all  
electric and hydraulic components

### Manufacturer's Data and Design Characteristics

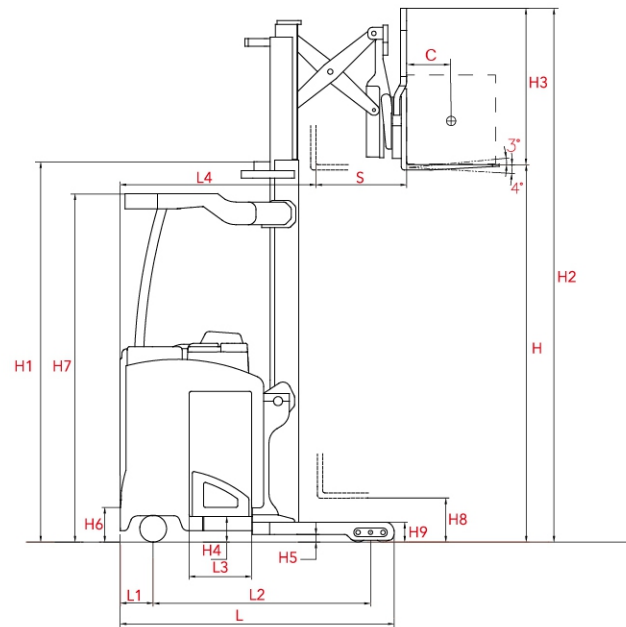
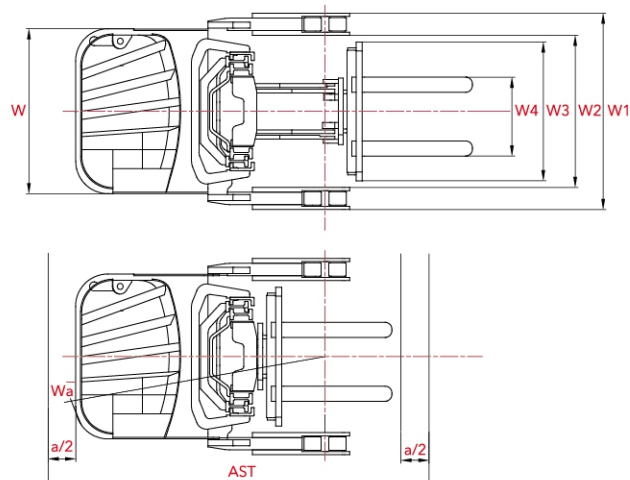
| Characteristics      |                                                     |     |     |      |                |              |                |              |
|----------------------|-----------------------------------------------------|-----|-----|------|----------------|--------------|----------------|--------------|
| 1.01                 | Manufacturer                                        |     |     |      | HELI           |              |                |              |
| 1.02                 | Model                                               |     |     |      | CQD16X1        |              | CQD18X1        |              |
| 1.03                 | Configuration number                                |     |     |      | GB2RLI         |              | GB2RLI         |              |
| 1.04                 | Load capacity                                       | Q   | lb  | kg   | 3500           | 1600         | 4000           | 1800         |
| 1.05                 | Load center                                         | C   | in  | mm   | 24             | 600          | 24             | 600          |
| 1.06                 | Power mode                                          |     |     |      | Electric       |              |                |              |
| 1.07                 | Operator Type                                       |     |     |      | Stand          |              |                |              |
| 1.08                 | Wheel base                                          | L2  | in  | mm   | 55             | 1407         | 57             | 1457         |
| 1.09                 | Voltage                                             |     | v   | v    | 48             | 48           | 48             | 48           |
| Tire                 |                                                     |     |     |      |                |              |                |              |
| 2.01                 | Tire type                                           |     |     |      | Polyurethane   | Polyurethane | Polyurethane   | Polyurethane |
| 2.02                 | Wheel number,drive/load/caster (X=drive wheel)      |     |     |      | 1×/4/2         | 1×/4/2       | 1×/4/2         | 1×/4/2       |
| 2.03                 | Wheel size,load (diameter x length)                 |     | in  | mm   | Φ5×3.7         | Φ127×95      | Φ5×3.7         | Φ127×95      |
| 2.04                 | Wheel size,drive (diameter x length)                |     | in  | mm   | Φ13×5.5        | Φ330×140     | Φ13×5.5        | Φ330×140     |
| 2.05                 | Wheel size,caster (diameter x length)               |     | in  | mm   | Φ7.4×3         | Φ178×76      | Φ7.4×3         | Φ178×76      |
| Dimensions           |                                                     |     |     |      |                |              |                |              |
| 3.01                 | Lift height (with standard mast)                    | H   | in  | mm   | 210            | 5330         | 210            | 5330         |
| 3.02                 | Mast height,lowered                                 | H1  | in  | mm   | 99             | 2526         | 99             | 2526         |
| 3.03                 | Free lift                                           | H8  | in  | mm   | 59             | 1490         | 59             | 1490         |
| 3.04                 | Fork size (thickness x width x length)              |     | in  | mm   | 1.4×3.9×36.2   | 35×100×920   | 1.4×3.9×36.2   | 35×100×920   |
| 3.05                 | Fork adjusting width                                | W4  | in  | mm   | 9.6~28.5       | 244~724      | 9.6~28.5       | 244~724      |
| 3.06                 | Tilt (forward/backward)                             |     | deg | deg  | 3°/4°          | 3°/4°        | 3°/4°          | 3°/4°        |
| 3.07                 | Fork sideshifting                                   |     | in  | mm   | ±2             | ±50          | ±2             | ±50          |
| 3.08                 | Truck body length (fork excluded)                   | L   | in  | mm   | 71             | 1815         | 73             | 1865         |
| 3.09                 | Truck body width                                    | W   | in  | mm   | 43             | 1090         | 43             | 1090         |
| 3.10                 | Straddle leg, inside width                          | W2  | in  | mm   | 33~51          | 845~1300     | 33~51          | 845~1300     |
| 3.11                 | Straddle leg, outside width                         | W1  | in  | mm   | 47~59          | 1192~1492    | 47~59          | 1192~1492    |
| 3.12                 | Fork carriage width                                 | W3  | in  | mm   | 33             | 842          | 33             | 842          |
| 3.13                 | Reach distance                                      | S   | in  | mm   | 24             | 600          | 24             | 600          |
| 3.14                 | Height of overhead guard                            | H7  | in  | mm   | 91             | 2320         | 91             | 2320         |
| 3.15                 | Battery bottom clearance                            | H4  | in  | mm   | 7              | 180          | 7              | 180          |
| 3.16                 | Straddle clearance                                  | H5  | in  | mm   | 2              | 50           | 2              | 50           |
| 3.17                 | Straddle height                                     | H9  | in  | mm   | 5              | 130          | 5              | 130          |
| 3.18                 | Step height                                         | H6  | in  | mm   | 10             | 250          | 10             | 250          |
| 3.19                 | Minimum turning radius                              | Wa  | in  | mm   | 67             | 1695         | 69             | 1745         |
| 3.20                 | Rear overhang (drive wheel center to rear of frame) | L1  | in  | mm   | 10             | 252          | 10             | 252          |
| 3.21                 | Front fork face to rear of frame distance           | L4  | in  | mm   | 55             | 1396         | 55             | 1396         |
| 3.22                 | Aisle width with pallet 48"Lx48"w (1200x1200)       | Ast | in  | mm   | 109            | 2771         | 111            | 2812         |
| 3.23                 | Aisle width with pallet 40"Lx40"w (1000x1000)       | Ast | in  | mm   | 100            | 2550         | 102            | 2591         |
| Performance          |                                                     |     |     |      |                |              |                |              |
| 4.01                 | Travel speed loaded/unloaded                        |     | mph | km/h | 6.5/7.3        | 10.5/11.8    | 6.5/7.3        | 10.5/11.8    |
| 4.02                 | Lift speed loaded/unloaded                          |     | fpm | mm/s | 65/100         | 330/510      | 65/100         | 330/510      |
| 4.03                 | Lowering speed loaded/unloaded                      |     | fpm | mm/s | 98/98          | 500/500      | 98/98          | 500/500      |
| 4.04                 | Reach speed loaded/unloaded                         |     | fpm | mm/s | 22/30          | 110/150      | 22/30          | 110/150      |
| 4.05                 | Max.gadeability loaded/unloaded - 5 minute rating   |     | %   | %    | 10/15          | 10/15        | 10/15          | 10/15        |
| Weight               |                                                     |     |     |      |                |              |                |              |
| 5.01                 | Total weight(without battery)                       |     | lb  | kg   | 5400           | 2450         | 5644           | 2560         |
| 5.02                 | Axle loading, no load (fornt/rear)                  |     | lb  | kg   | 2844/4321      | 1290/1960    | 2954/4762      | 1340/2160    |
| 5.03                 | Axle loading, loaded (fornt/rear)                   |     | lb  | kg   | 7165/3527      | 3250/1600    | 7606/3968      | 3450/1800    |
| Battery              |                                                     |     |     |      |                |              |                |              |
| 6.01                 | Capacity at 6 hr.Discharge rate                     |     | kwh | Ah   | 19.4           | 404          | 19.4           | 404          |
| 6.02                 | Maxmum battery weight                               |     | lb  | kg   | 1800           | 820          | 2000           | 910          |
| 6.03                 | Minimum battery weight                              |     | lb  | kg   | 1635           | 742          | 1840           | 835          |
| 6.04                 | Battery compartment dimension                       |     | in  | mm   | 39.5×15.2×31.8 | 1005x388x810 | 39.5×16.8×31.8 | 1005x428x810 |
| Motor and controller |                                                     |     |     |      |                |              |                |              |
| 7.01                 | Driving motor power                                 |     | HP  | kw   | 9.4            | 7            | 9.4            | 7            |
| 7.02                 | Lifting motor power                                 |     | HP  | kw   | 20.1           | 15           | 20.1           | 15           |
| 7.03                 | Steering motor power                                |     | HP  | kw   | 0.8            | 0.6          | 0.8            | 0.6          |
| 7.04                 | Type of driving control                             |     |     |      | MOSFET/AC      |              |                |              |
| 7.05                 | Type of lifting control                             |     |     |      | MOSFET/AC      |              |                |              |
| 7.06                 | Type of steering control                            |     |     |      | MOSFET/AC      |              |                |              |
| 7.07                 | Transmission box                                    |     |     |      | HELI special   |              |                |              |
| 7.08                 | Service brake                                       |     |     |      | Electric       |              |                |              |
| 7.09                 | Hydraulic system working pressure                   |     | PSI | Mpa  | 3050           | 21           | 3050           | 21           |

NOTE: For detailed information about battery,please contact your authorized HELI dealer.  
These are "Zero Clearance" aisles in the table and require an additional 150mm or more to be added to provide for easier maneuvering.

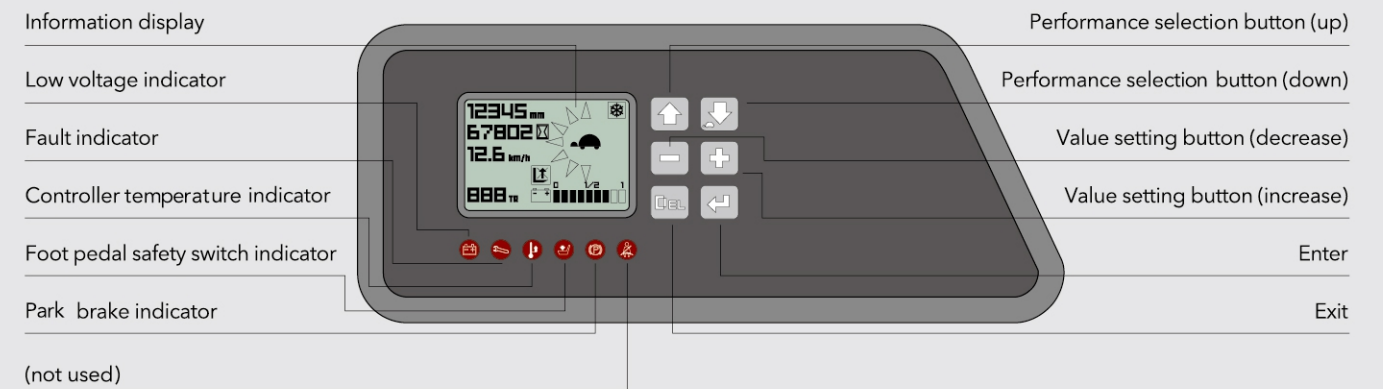
| Manufacturer's Data and Design Characteristics |                                                |       |     |      |                 |      |                 |      |                 |      |
|------------------------------------------------|------------------------------------------------|-------|-----|------|-----------------|------|-----------------|------|-----------------|------|
| Characteristics                                |                                                |       |     |      |                 |      |                 |      |                 |      |
| 1.01                                           | Manufacturer                                   |       |     |      | HELI            |      |                 |      |                 |      |
| 1.02                                           | Model                                          |       |     |      | CQD14X2         |      | CQD14X2         |      | CQD14X2         |      |
| 1.03                                           | Configuration number                           |       |     |      | GA2RLI          |      | GB2RLI          |      | GC2RLI          |      |
| 1.04                                           | Load capacity                                  | Q     | lb  | kg   | 3000            | 1350 | 3000            | 1350 | 3000            | 1350 |
| 1.05                                           | Load center distance                           | C     | in  | mm   | 24              | 600  | 24              | 600  | 24              | 600  |
| 1.06                                           | Power model                                    |       |     |      | Lithium Battery |      | Lithium Battery |      | Lithium Battery |      |
| 1.07                                           | Driving model                                  |       |     |      | Stand           |      | Stand           |      | Stand           |      |
| 1.08                                           | Wheel base                                     | L2    | in  | mm   | 61.3            | 1557 | 62.7            | 1593 | 65.2            | 1655 |
| 1.09                                           | Voltage                                        |       | v   | V    | 48              |      | 48              |      | 48              |      |
| Tire                                           |                                                |       |     |      |                 |      |                 |      |                 |      |
| 2.01                                           | Tyre type                                      |       |     |      | PU              |      | PU              |      | PU              |      |
| 2.02                                           | Wheel nuber,drive/load/caster(X=drive wheel)   |       |     |      | 1×/4/2          |      | 1×/4/2          |      | 1×/4/2          |      |
| 2.03                                           | Wheel size,load                                |       | in  | mm   | Φ5×3.7          |      | Φ5×3.7          |      | Φ5×3.7          |      |
| 2.04                                           | Wheel size,drive                               |       | in  | mm   | Φ13×5.5         |      | Φ13×5.5         |      | Φ13×5.5         |      |
| 2.05                                           | Wheel size,caster                              |       | in  | mm   | Φ7.4×3          |      | Φ178×76         |      | Φ178×76         |      |
| Dimensions                                     |                                                |       |     |      |                 |      |                 |      |                 |      |
| 3.01                                           | Lift height                                    | H     | in  | mm   | 210             |      | 210             |      | 210             |      |
| 3.02                                           | Free lift                                      | H1    | in  | mm   | 99              |      | 99              |      | 99              |      |
| 3.03                                           | Mast height,lowered                            | H8    | in  | mm   | 59              |      | 59              |      | 59              |      |
| 3.04                                           | Fork size,htickness/width/length               | s/e/l | in  | mm   | 1.4×3.9×36.2    |      | 1.4×3.9×36.2    |      | 1.4×3.9×36.2    |      |
| 3.05                                           | Fork adjusting width                           | W4    | in  | mm   | 9.6~28.5        |      | 9.6~28.5        |      | 9.6~28.5        |      |
| 3.06                                           | Tilt                                           |       | deg | deg  | 3°/4°           |      | 3°/4°           |      | 3°/4°           |      |
| 3.07                                           | Fork sideshifting                              |       | in  | mm   | ±2              |      | ±2              |      | ±2              |      |
| 3.08                                           | Truck body length(fork excluded)               | L     | in  | mm   | 77              |      | 78              |      | 81              |      |
| 3.09                                           | Truck body width                               | W     | in  | mm   | 42.9            |      | 42.9            |      | 42.9            |      |
| 3.10                                           | Fork carriage width                            | W3    | in  | mm   | 33              |      | 33              |      | 33              |      |
| 3.11                                           | Reach distance                                 | S     | in  | mm   | 43              |      | 43              |      | 43              |      |
| 3.12                                           | Height of overhead guard                       | H7    | in  | mm   | 91              |      | 91              |      | 91              |      |
| 3.13                                           | Battery bottom clearance                       | H4    | in  | mm   | 7.1             |      | 7.1             |      | 7.1             |      |
| 3.14                                           | Straddle clearance                             | H5    | in  | mm   | 2               |      | 2               |      | 2               |      |
| 3.15                                           | Straddle height                                | H9    | in  | mm   | 5.1             |      | 5.1             |      | 5.1             |      |
| 3.16                                           | Step height                                    | H6    | in  | mm   | 9.8             |      | 9.8             |      | 9.8             |      |
| 3.17                                           | Minimum turning radius                         | Wa    | in  | mm   | 72              |      | 74              |      | 76              |      |
| 3.18                                           | Drive wheel center to truck body rear distance | L1    | in  | mm   | 9.9             |      | 9.9             |      | 9.9             |      |
| 3.19                                           | Fork front to truck body rear distance         | L4    | in  | mm   | 60              |      | 62              |      | 64              |      |
| 3.20                                           | Aisle width with pallet 1200Lx1200w            | Ast   | in  | mm   | 116             |      | 117             |      | 119             |      |
| 3.21                                           | Aisle width with pallet 1000Lx1000w            | Ast   | in  | mm   | 107             |      | 108             |      | 111             |      |
| Performance                                    |                                                |       |     |      |                 |      |                 |      |                 |      |
| 4.01                                           | Travelling speed,with/without load             |       | mph | km/h | 6.2/6.8         |      | 6.2/6.8         |      | 6.2/6.8         |      |
| 4.02                                           | Lifting speed,with/without load                |       | fpm | mm/s | 65/100          |      | 65/100          |      | 65/100          |      |
| 4.03                                           | Lowering speed,with/without load               |       | fpm | mm/s | 98/98           |      | 98/98           |      | 98/98           |      |
| 4.04                                           | Reach speed,with/without load                  |       | fpm | mm/s | 22/30           |      | 22/30           |      | 22/30           |      |
| 4.05                                           | Maximum climb capability,with/without load     |       | %   | %    | 10/15           |      | 10/15           |      | 10/15           |      |
| Weight                                         |                                                |       |     |      |                 |      |                 |      |                 |      |
| 5.01                                           | Total weight(without battery)                  |       | lb  | kg   | 6063            |      | 6107            |      | 6151            |      |
| 5.02                                           | Axle loading, no load (fornt/rear)             |       | lb  | kg   | 3040/4897       |      | 3182/5125       |      | 3374/5277       |      |
| 5.03                                           | Axle loading, loaded (fornt/rear)              |       | lb  | kg   | 6635/4278       |      | 6860/4423       |      | 6976/4651       |      |
| Battery                                        |                                                |       |     |      |                 |      |                 |      |                 |      |
| 6.01                                           | Battery voltage/capacity k5                    |       | kwh | Ah   | 19.4            |      | 26              |      | 26              |      |
| 6.02                                           | Minimum battery weight                         |       | lb  | kg   | 2350            |      | 2800            |      | 3100            |      |
| 6.03                                           | Minimum battery weight                         |       | lb  | kg   | 1850            |      | 2200            |      | 2500            |      |
| 6.04                                           | Battery department size                        |       | in  | mm   | 39.5×16.8×31.8  |      | 39.5×18.3×31.8  |      | 39.5×20.7×31.8  |      |
| Motor and controller                           |                                                |       |     |      |                 |      |                 |      |                 |      |
| 7.01                                           | Driving motor power                            |       | HP  | kw   | 9.4             |      | 9.4             |      | 9.4             |      |
| 7.02                                           | Lifting motor power                            |       | HP  | kw   | 20.1            |      | 20.1            |      | 20.1            |      |
| 7.03                                           | Steering motor power                           |       | HP  | kw   | 0.8             |      | 0.8             |      | 0.8             |      |
| 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              |       | PSI | Mpa  | 3050            |      | 3050            |      | 3050            |      |

NOTE: For detailed information about battery,please contact your authorized HELI dealer.  
These are "Zero Clearance" aisles in the table and require an additional 150mm or more to be added to provide for easier maneuvering.

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



ZAPI intelligent display provides vital information such as speed and battery discharge status and is used to customize performance parameters



ZAPI intelligent display

#### OPTIONAL STRADDLE WIDTH

|                           |       |           |           |           |                     |           |           |           |           |           |
|---------------------------|-------|-----------|-----------|-----------|---------------------|-----------|-----------|-----------|-----------|-----------|
| Straddle inside width W2  | in/mm | 33.2/845  | 36/915    | 38/966    | 39.6/1008(standard) | 42/1068   | 44/1119   | 46/1170   | 48/1221   | 50/1272   |
| Straddle outside width W1 | in/mm | 44.7/1137 | 47.5/1207 | 49.5/1258 | 51.1/1300(standard) | 53.5/1360 | 55.5/1411 | 57.5/1462 | 59.5/1513 | 61.5/1564 |

#### WIDE VIEW FULL FREE 3-STAGE MAST

| Mast model | Fork Height |      | Free lift |      | Mast height |      | Load Capacity at 24" Load Center |      |                |      |                |      | Service Weight |      |                |      |                |      |
|------------|-------------|------|-----------|------|-------------|------|----------------------------------|------|----------------|------|----------------|------|----------------|------|----------------|------|----------------|------|
|            | CQD14X2     |      | CQD14X2   |      | CQD14X2     |      | CQD14X2-GA2RLI                   |      | CQD14X2-GB2RLI |      | CQD14X2-GC2RLI |      | CQD14X2-GA2RLI |      | CQD14X2-GB2RLI |      | CQD14X2-GC2RLI |      |
|            | in          | imm  | in        | mm   | in          | mm   | lb                               | kg   | lb             | kg   | lb             | kg   | lb             | kg   | lb             | kg   | lb             | kg   |
| ZSM502     | 198         | 5025 | 55        | 1390 | 96          | 2426 | 2976                             | 1350 | 2976           | 1350 | 2976           | 1350 | 7893           | 3580 | 8263           | 3748 | 8607           | 3904 |
| ZSM533     | 210         | 5330 | 59        | 1490 | 99          | 2526 | 2976                             | 1350 | 2976           | 1350 | 2976           | 1350 | 7937           | 3600 | 8307           | 3768 | 8651           | 3924 |
| ZSM610     | 240         | 6095 | 69        | 1745 | 109         | 2781 | 2646                             | 1200 | 2646           | 1200 | 2646           | 1200 | 8091           | 3670 | 8461           | 3838 | 8805           | 3994 |
| ZSM685     | 270         | 6855 | 79        | 2000 | 120         | 3036 | 2205                             | 1000 | 2205           | 1000 | 2205           | 1000 | 8201           | 3720 | 8572           | 3888 | 8915           | 4044 |
| ZSM762     | 300         | 7620 | 90        | 2285 | 131         | 3321 | 1764                             | 800  | 1984           | 900  | 1984           | 900  | 8356           | 3790 | 8726           | 3958 | 9070           | 4114 |

#### WIDE VIEW FULL FREE 3-STAGE MAST

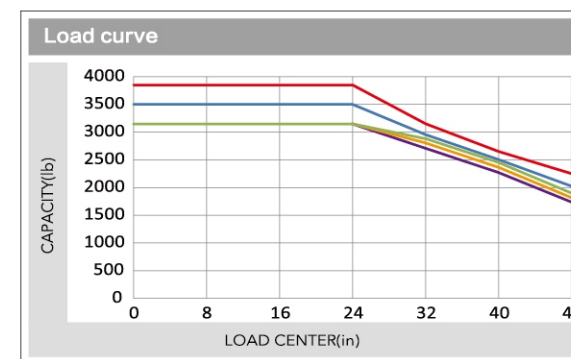
| Mast model | Fork Height h3 (in)(mm) |         |         |         | Free lifting height h3 (in)(mm) |         |         |         | Mast height h1 (in)(mm) |         |         |         | Load Capacity at 24" Load Center (lb) (kg) |         | Service Weight (lb) (kg) |         |
|------------|-------------------------|---------|---------|---------|---------------------------------|---------|---------|---------|-------------------------|---------|---------|---------|--------------------------------------------|---------|--------------------------|---------|
|            | CQD16X1                 | CQD18X1 | CQD16X1 | CQD18X1 | CQD16X1                         | CQD18X1 | CQD16X1 | CQD18X1 | CQD16X1                 | CQD18X1 | CQD16X1 | CQD18X1 | CQD16X1                                    | CQD18X1 | CQD16X1                  | CQD18X1 |
| ZSM502     | 198                     | 5025    | 198     | 5025    | 55                              | 1390    | 55      | 1390    | 95                      | 2413    | 95      | 2413    | 3527                                       | 1600    | 3968                     | 1800    |
| ZSM533     | 210                     | 5330    | 210     | 5330    | 59                              | 1490    | 59      | 1490    | 99                      | 2526    | 99      | 2526    | 3527                                       | 1600    | 3858                     | 1750    |
| ZSM610     | 240                     | 6095    | 240     | 6095    | 69                              | 1745    | 69      | 1745    | 109                     | 2781    | 109     | 2781    | 3527                                       | 1600    | 3858                     | 1750    |
| ZSM685     | 270                     | 6855    | 270     | 6855    | 79                              | 2000    | 79      | 2000    | 120                     | 3036    | 120     | 3036    | 2425                                       | 1100    | 2866                     | 1300    |
| ZSM762     | 300                     | 7620    | 300     | 7620    | 90                              | 2285    | 90      | 2285    | 131                     | 3321    | 131     | 3321    | 2094                                       | 950     | 2425                     | 1100    |

#### Standard configuration

36V electric system  
All AC motors with ZAPI controls  
218" (5330mm) 3-stage full free lift mast  
Integral pantograph with tilt and sideshift  
Standard forks  
Load backrest  
Polyurethane tires  
Electromagnetic proportional valve  
Battery rollers  
Overhead guard  
LED combined display  
Front work light  
LED warning light  
Automatic steering slow down  
Electromagnetic, regenreative service brake  
Automatic park brake  
Low noise gear pump  
DC/DC converter

#### Optional device

48V electric system  
Additional mast heights - 198-300" (5025-7620mm)  
Lifting height pre-selector  
Monitoring system  
Additional batteries including Hoppecker and FAAM  
Battery charger  
Custom paint  
Additional operator protection guard  
Battery loading and unloading cart



CQD14X2-GA2RLI  
CQD14X2-GB2RLI  
CQD14X2-GC2RLI  
CQD16X1  
CQD18X1

NOTE:The vertical axis is the load capacity,and the horizontal axis is the load center which is calculated from the front face of the forks to the load center of gravity.Capacity curves shown are for a standard mast at zero degree tilt with standard forks.Changing mast tilt,using non-standard forks or loading large goods can affect load capacity.This chart can be used to estimate load capacity at various load centers for standard masts.Contact HELI for cpecific load ratings for your situation.