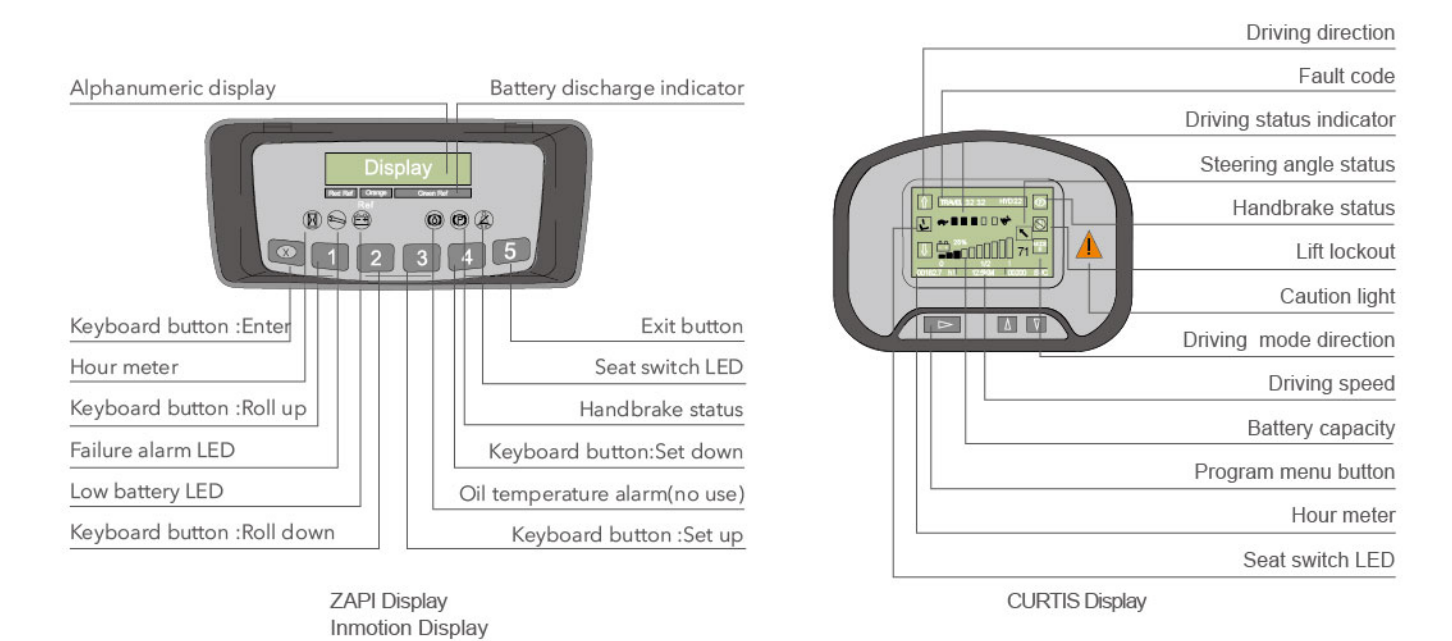


Reliable special designed instrument



Standard configuration	Optional	Attachments
Wide view standard mast	3-stage full free mast	Side shifter
Class II/III standard carriage	2-stage full free mast	Side shifting fork positioner
Load backrest	Wide carriage	Cargo boom
Control valve	Long forks	Lifting hook
Battery	Fork extension sleeve	Paper roll clamp
Standard seat	Solid tires	Bale clamp
Overhead guard	Widen tires	Multifunction clamp
Overhead guard rain cover	Warning light	Load stabilizer
Pneumatic tires	Rear working light	Push pulls
Traction pin	Tilt/steering cylinder boot	Drum clamp
Driver's tool	Cab	Rotator
LCD combination instrument	Suspension seat	Carton clamp
Head light	Customer color	Battery lifting sling
LED signal light	Coloring tires (white/green)	
Rear handle with horn	Automatic steering slow down device	

* Details of specifications and equipment are based on information available at time of printing and may change without notice.

HELI AMERICA INC
 ADD: 4025 Welcome All Road, Suite 150 Atlanta, GA30349, U.S.A.
 E-MAIL: heli@heliforkliftamerica.com
 TEL: 404-242-3288

3500-5000 lbs
G SERIES AC Electric
Pneumatic Tire Forklift Truck
48 VOLT



www.heliforkliftamerica.com

3500-5000 lbs

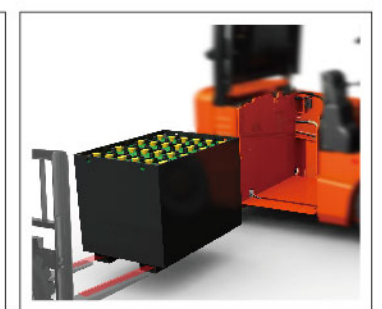


VISIBILITY

- > Driver's overhead guard and wide mast ensure greater operator visibility when high stacking or inserting forks into pallets for increased safety and less product damage.

STABILITY/SAFETY/CONVENIENCE

- > Re-designed drive axle with shorter front overhang produces improved forward stability
- > Improved rear axle positioning has been reconfigured for improved lateral stability
- > Additional warning lights including automatic brake warning light is standard improving safety warning system
- > Spacious operator compartment; increased foot space; maximum head room for taller operators; mast cushioning, rear axle isolation mounts and hood mounted hydraulic controls increase operator comfort
- > Side battery insertion/extraction with battery compartment rollers (optional)



Optional battery side pulling

Optional battery side loading

PERFORMANCE

- > AC drive motors eliminate brushes and directional contactors; reduced maintenance and operator costs.
- > Improved gradeability
- > Improved turning radius due to design of drive and steer axles

OPERATOR COMFORT

- > Lower step-in height into operator compartment
- > Increased floor space
- > Improved tilt steering column
- > Smaller diameter steer wheel with steer knob
- > Rear grab handle with horn button when traveling in reverse
- > Mast and rear axle buffering reduces shock and vibration into compartment

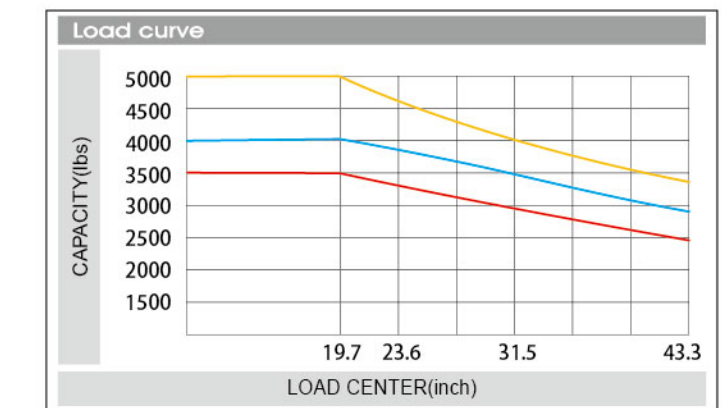
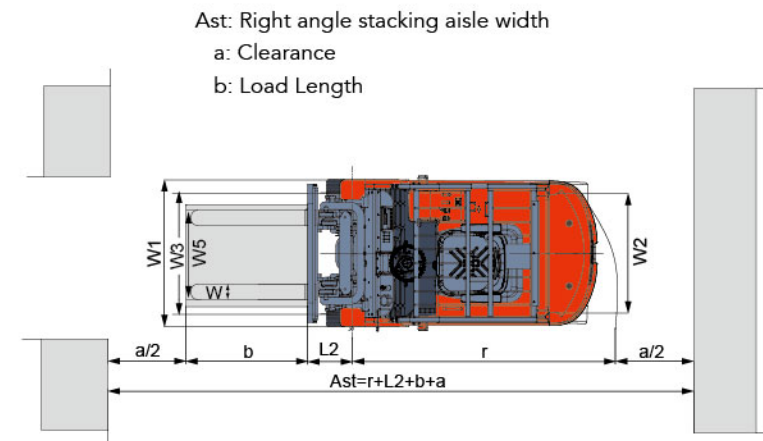
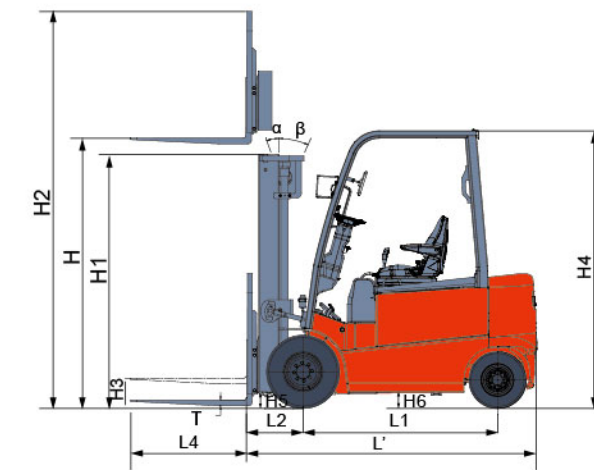


3500-5000 lbs

Manufacturer's Data and Design Characteristics

Character		HELI				
1.01	Manufacturer					
1.02	Model	CPD18	CPD20	CPD25	CPD20	CPD25
1.03	Configuration Number	GD1/GD2(P)	GC1/GC2(P)	GC1/GC2(P)	GD1/GD2(P)	GD1/GD2(P)
1.04	Rated Capacity	Q lbs	3500	4000	5000	4000
1.05	Load Center Distance	c inch	3500	4000	5000	4000
1.06	Power Mode				Battery	
1.07	Driving Mode				Seated	
1.08	Wheelbase	L1 inch	54.3		61	
Tyres						
2.01	Tyre Type		SE/Pneumatic		Pneumatic	
2.02	Wheel Number(Front/Rear)			2/2		
2.03	Front Wheel Base	W3 inch	35.8		37.8	
2.04	Rear Wheel Base	W2 inch	36.2		37.4	
2.05	Tyre(Front)		6.00-9		23x9-10-16PR	
2.06	Tyre(Rear)		16x6-8-14PR		18x7-8-14PR	
Size						
3.01	Front Overhang	L2 inch	15.3		17.1	
3.02	Mast Tilt Angle,Front/Rear	α / β deg.		6/8		
3.03	Height with Mast Retraction	H1 inch	78.1		78.5	
3.04	Free Lift Height	H3 inch		5.7		
3.05	Max. Lifting Height	H inch		118.1		
3.06	Max. height Under Working Condition	H2 inch		158.7		
3.07	Overhead Guard Height	H4 inch	83.9		84.6	
3.08	Fork Size:thicknessxwidthxlength	T*W*L inch	1.38*3.94*36.2		1.57*4.8*36.2	
3.09	Fork Arm Carrier, DIN Standard	4		2A		
3.10	Truck Body Length(Fork Excluded)	inch	81.5	90	90.4	90
3.11	Truck Body Width	L' inch	42.8		46.7	
3.12	Turning Radius	W1 inch	68.9	78.7	79.5	78.7
3.13	Clearance Between Mast and Ground	r inch	3.1		4.3	
3.14	Clearance Between wheel Base Center and Ground(Loaded)	H5 inch	3.5		4.5	
3.15	Right Angle Aisle width(Pallet 39.4x39.4inch, Clearance 7.9inch)	H6 inch	131.5	143.1	143.9	143.1
3.16	Right Angle Aisle width(Pallet 47.2x47.2inch, Clearance 7.9inch)	Ast inch	139.4	151	151.8	151
3.17	ateral Fork Adjustment (Outside of Forks) Max./Min.	Ast inch	37.8/7.9		40.6/9.6	
Performances		W5				
4.01	Travel Speed:Load/Unload	mile/h	9.4/10.0		9.1/9.4	
4.02	Lifting Speed:Load/Unload	ft/min	74.80/118.11	55.12/95.46	51.18/96.46	68.90/100.39
4.03	Lowering Speed:Load/Unload	ft/min	98.43/78.74		96.46/80.71	
4.04	Gradeability(Loaded)	%	20	22	20	20
4.05	Max. Traction Force(Load)	lbs	2247	3595	3708	3595
4.06	Acceleration time(10m) Load/Unload	s	5.2/4.6	4.6/4.4	4.8/4.6	4.8/4.6
Weight						
5.01	Total Weight(With/Without Battery)	lbs	6440/4860	8120/5920	8500/6300	8320/5920
5.02	Axle Load:Unloaded, Front/Rear	lbs	2986/3454	3720/4400	4000/4500	3800/4520
5.03	Axle Load:Loaded, Front/Rear	lbs	8744/1196	10540/1580	11860/1640	10600/1720
Battery						
6.01	Battery Voltage/Capacity(5h)	V/Ah	48/480(max600)		48/600(max800)	48/700(max800)
6.02	Battery Weight	lbs	1580(1440-2000)		2000(1900-2600)	2200(1900-2600)
6.03	Battery, DIN Standard			20.7*41.3*31.8		
Motor & Controller						
7.01	Drive Motor Power-60 Minutes	hp	11		15.4	
7.02	Lifting Motor Power-S3 15%	hp	14.2	14.1	14.1	20.1
7.03	Drive Motor Controlling Mode				MOSFET/AC	
7.04	Lifting Motor Controlling Mode				MOSFET/DC	
7.05	Service Brake/Parking Brake				Hydraulic/Mechanical	
7.06	Hydraulic System Working Pressure	psi			2537.5	

NOTE: *Detailed information about battery, please contact our salesman or engineer. 1."Ⓢ" Battery capacity 600Ah for battery side extraction."P" battery side extraction (side pulling or side loading),side pulling for standard. 2.1:For configuration number,CURTIS Controller;2:ZAPI Controller;3:Inmotion Controller.



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 39.4inch 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.

WIDE VIEW MAST											
Mast model	Max. lifting height (inch)	Load Capacity (Load centre 24inch) (lbs)			Mast Overall Height (Fork to the Ground)(inch)			Service Weight (lbs)			Mast tilt angle (deg.) α / β
		CPD18	CPD20	CPD25	CPD18	CPD20	CPD25	CPD18	CPD20	CPD25	
M200	79	3500	4000	5000	58.5	68.9	68.9	6314	7940	8320	6/8
M250	98	3500	4000	5000	68.3	68.9	68.9	6376	8028	8408	6/8
M300	118	3500	4000	5000	78.1	78.7	78.7	6440	8120	8500	6/8
M330	130	3500	4000	5000	84.1	84.7	84.7	6480	8172	8552	6/8
M350	137	3500	4000	5000	88.0	88.6	88.6	6506	8208	8588	6/8
M370	145	3500	4000	5000	88.0	92.5	92.5	6530	8244	8624	6/8
M400	157	3500	4000	5000	99.8	100.4	100.4	6628	8364	8744	6/5
M425	167	3500	4000	5000	104.7	105.3	105.3	6660	8410	8790	6/5
M450	177	3200	3800	4600	109.6	110.2	110.2	6692	8456	8836	6/5
M500	196	2700	3600	3900	119.5	120.1	120.1	6758	8546	8926	6/5
M550	217	2400	2800	3100	131.3	131.9	131.9	6880	8702	9082	3/3
M600	236	1700	1900	2200	141.1	141.7	141.7	6944	8794	9174	3/3

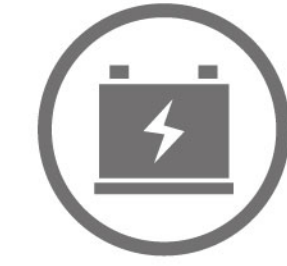
NOTE: (1)*Refers to rated capacity with widen tires;

WIDE VIEW FULL FREE 2-STAGE MAST														
Mast model	Max. lifting height (inch)	Load Capacity (Load centre 24inch) (lbs)			Overall Height(inch)			Free lift height (With backrest)(inch)			Service Weight (lbs)			Mast tilt angle (deg.) α / β
		CPD18	CPD20	CPD25	CPD18	CPD20	CPD25	CPD18	CPD20	CPD25	CPD18	CPD20	CPD25	
ZM200	79	3500	4000	5000	58.5	68.9	68.9	18.8	17.6	17.6	6400	7960	8340	6/8
ZM250	98	3500	4000	5000	68.3	68.9	68.9	28.7	27.4	27.4	6464	8052	8432	6/8
ZM300	118	3500	4000	5000	78.1	78.7	78.7	38.5	37.3	37.3	6532	8150	8530	6/8
ZM330	130	3500	4000	5000	84.1	84.7	84.7	44.4	43.2	43.2	6576	8208	8588	6/8
ZM350	137	3500	4000	5000	88.0	88.6	88.6	48.3	47.1	47.1	6606	8246	8626	6/8
ZM370	145	3500	4000	5000	88.0	92.5	92.5	52.3	51.1	51.1	6630	8284	8664	6/8
ZM400	157	3500	4000	5000	99.8	100.4	100.4	60.2	58.9	58.9	6726	8410	8790	6/5
ZM425	167	3500	4000	5000	104.7	105.3	105.3	65.1	63.9	63.9	6764	8458	8838	6/5
ZM450	177	3200	3800	4600	109.6	110.2	110.2	70.0	68.8	68.8	6802	8508	8888	6/5
ZM500	196	2700	3600	3900	119.5	120.1	120.1	79.8	78.6	78.6	6870	8604	8984	6/5
ZM550	217	2400	2800	3100	131.3	131.9	131.9	91.6	90.4	90.4	6992	8768	9148	3/3
ZM600	236	1700	1900	2200	141.1	141.7	141.7	101.5	100.3	100.3	7060	8866	9246	3/3

NOTE: (1)*Refers to rated capacity with widen tires; (2)3500lbs: free lifted height 14.4inch increased without backrest; (3)4000-5000lbs: free lifted height 15.6inch increased without backrest.

WIDE VIEW FULL FREE 3-STAGE MAST														
Mast model	Max. lifting height (inch)	Load Capacity (Load centre 24inch) (lbs)			Overall Height(inch)			Free lift height (With backrest)(inch)			Service Weight (lbs)			Mast tilt angle (deg.) α / β
		CPD18	CPD20	CPD25	CPD18	CPD20	CPD25	CPD18	CPD20	CPD25	CPD18	CPD20	CPD25	
ZSM360	142	3500	4000	5000	70.1	70.7	70.7	30.3	30.5	30.5	6628	8434	8814	6/8
ZSM400	157	3500	4000	5000	75.4	75.6	75.6	35.6	35.4	35.4	6676	8504	8884	6/5
ZSM435	171	3300	4000	4900	79.9	80.5	80.5	40.2	40.3	40.3	6724	8574	8954	6/5
ZSM450	177	3200	4000	4600	81.9	82.5	82.5	42.1	42.3	42.3	6746	8602	8982	6/5
ZSM470	185	3100	4000	4400	84.6	85.0	85.0	44.9	44.9	44.9	6778	8638	9018	6/5
ZSM480	189	3000	3800	4100	85.8	86.4	86.4	46.1	46.2	46.2	6794	8658	9038	6/5
ZSM500	196	2600	3600	3900	89.8	90.4	90.4	50.0	50.2	50.2	6836	8714	9094	6/5
ZSM540	212	2100	2800	3100	94.7	95.3	95.3	54.9	55.1	55.1	6886	8798	9178	3/3
ZSM600	236	1500	1900	2200	103.5	104.1	104.1	63.8	63.9	63.9	7030	8924	9304	3/3
ZSM650	256	1200	1400	1600	111.4	111.6	111.6	71.3	71.4	71.4	7106	8990	9370	3/3
ZSM700	276	1900	600	800	118.7	122.2	122.2	78.9	80.6	80.6	7184	9100	9480	3/3

NOTE: (1)*Refers to rated capacity with widen tires; (2)3500lbs: free lifted height 18.9inch increased without backrest; (3)3500lbs: free lifted height 15.7inch increased without backrest when assembled with pulley block; (4)4000-5000lbs: free lifted height 17.8inch increased without backrest; (5)4000-5000lbs: free lifted height 15.8inch increased without backrest when assembled with pulley block;



RENEWABLE ENERGY TECHNOLOGIES

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

15%