

LIFTRON

MATERIAL HANDLING

INTELLIGENT MANUFACTURING STRENGTH
TRANSPORTING THE FUTURE

LIFTRON MATERIAL HANDLING

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Due to continuous improvement of products, the actual products supplied may be different from those in this catalog. The right of interpretation rests with our company.



FORKLIFT

LITHIUM BATTERY COUNTERBALANCED FORKLIFT

GLOBAL INDUSTRIAL VEHICLE
INTELLIGENT MANUFACTURING



LIFTRON

MATERIAL HANDLING



www.liftrnmh.com

GLOBAL INTELLIGENT MANUFACTURING



GLOBAL CENTER FOR R&D AND MANUFACTURING, XIAMEN, CHINA



VIETNAM FACTORY



U.S. HEADQUARTERS, CA



EAST U.S. OPERATIONS, FL



CENTRAL U.S. OPERATIONS, TX

About Liftron Material Handling

- Liftron is an international manufacturer specializing in lithium-powered electric forklifts and intelligent warehousing solutions. Headquartered in Xiamen, China, we combine advanced manufacturing, strong engineering capabilities, and a global mindset to support modern material handling operations worldwide.
- Powered by a dedicated in-house R&D team, Liftron develops reliable, efficient, and smart forklift solutions based on advanced lithium battery technology. Our products are designed to improve productivity, reduce operating costs, and support more sustainable logistics environments.



ISO CERTIFICATION



ECM CERTIFICATION



PATENT CERTIFICATES

1.62_M
FACILITY

\$150_M
INVESTMENT

65
PATENTS

100,000⁺
INDUSTRIAL VEHICLES PRODUCED ANNUALLY

500_M
ANNUAL SALES REVENUE



- To better serve global markets, Liftron operates three warehouses in the United States — in California, Texas, and Florida — and works with a worldwide dealer network to ensure fast delivery, localized support, and long-term partnership for customers around the world.

INTEGRATED INTELLIGENT LITHIUM SYSTEM



20 YEARS OF EXPERIENCE IN R&D, MANUFACTURING AND PRODUCTION

Independent R&D and in-house production across the entire lithium battery chain ensure stable performance and more competitive pricing



CONVENIENT BATTERY SWAPPING WITH LARGE-CAPACITY LITHIUM BATTERIES

The 3-ton model is equipped with an 80V 640Ah battery, delivering up to 12 hours of operation on a single charge. It is designed to handle long, high intensity working conditions with ease, significantly improving overall operational efficiency.



OPERATING COSTS REDUCED BY 75%

Certified to ISO9001 and ECM standards, our forklifts are energy-efficient and environmentally friendly. Compared to traditional diesel forklifts, they offer significantly lower noise and vibration levels, helping businesses build a greener, low-carbon, and more modern operational system.

4000

CONTINUOUS CYCLE

93%

SYNCHRONOUS MOTOR EFFICIENCY

75%+

CAPACITY AFTER 5 YEARS OR 10,000 HOURS OF OPERATION

- Comprehensive operating costs are approximately 25% of those of fuel-powered vehicles.
- Low noise and minimal vibration for comfortable operation.
- Simple structure with low maintenance requirements.
- Zero emissions and eco-friendly.

LITHIUM BATTERY FORKLIFT

VS

- High fuel consumption, maintenance, and operating costs.
- Excessive noise and vibration, leading to increased operator fatigue.
- Complex maintenance with higher repair costs.
- Significant environmental impact, including noise, vibration, and harmful emissions

DIESEL FORKLIFT



INNOVATION DRIVES FUTURE



DE SERIES

**HIGH-EFFICIENCY STANDARD CONFIGURATION ·
PERFORMANCE FOR ANY JOB SITE (1.5–3.5T)**

Flexible and compact, easily navigating narrow spaces. Stable, reliable, and smooth operation, making it the top choice for warehousing and daily material handling.

- CPD15
- CPD20
- CPD25
- CPD30
- CPD35

DL SERIES

**THE LONG-WHEELBASE OFF-ROAD KING – BUILT
FOR TOUGH JOB SITES (3–3.8T)**

The extended wheelbase delivers outstanding off-road stability, allowing the vehicle to effortlessly handle uneven terrain.

- CPD30L
- CPD35L
- CPD38L
- CPD50L

DD SERIES

**HEAVY-DUTY POWER: BIG STRENGTH IN A COMPACT
FOOTPRINT (4T)**

The shorter wheelbase offers greater flexibility and is specifically designed for heavy-duty tasks in confined spaces. With a powerful 4-ton capacity, it offers agile turning and higher efficiency, making it a cost-effective choice for high-intensity operations.

- CPD40D

HIGH STANDARDS, EXCEPTIONAL QUALITY



0 PRICE INCREASE

POWER, COMFORT, SAFETY, INTELLIGENCE. OUR HIGH STANDARDS COME BUILT-IN, NEVER ADDED ON.



LUXURY SEATS



80V 210AH BATTERY



SOLID TIRES



WIRELESS SMARTPHONE CHARGING AND USB PORTS



COMFORTABLE GRIP HAND-BRAKE



AUTOMOTIVE-STYLE TAILLIGHTS



CONFIGURATION INCLUDES A SAFETY WARNING HORN



CONFIGURATION INCLUDES A 9-INCH LARGE SCREEN WITH A REVERSING CAMERA



HIGH-EFFICIENCY PERMANENT MAGNET MOTOR INCREASES RANGE BY OVER 20%

HIGH EFFICIENCY & OPTIMAL PERFORMANCE

STABLE PERFORMANCE, EASY OPERATION, AND A COMPACT DESIGN FOR HIGHER EFFICIENCY IN CRITICAL TASKS.



MAXIMUM DRIVING SPEED
20 km/h



MAXIMUM GRADEABILITY
20%



EASY-TO-SWAP LITHIUM BATTERIES
CAPACITY UP TO
80V 640AH



ENERGY REDUCTION (PMSM)
20%

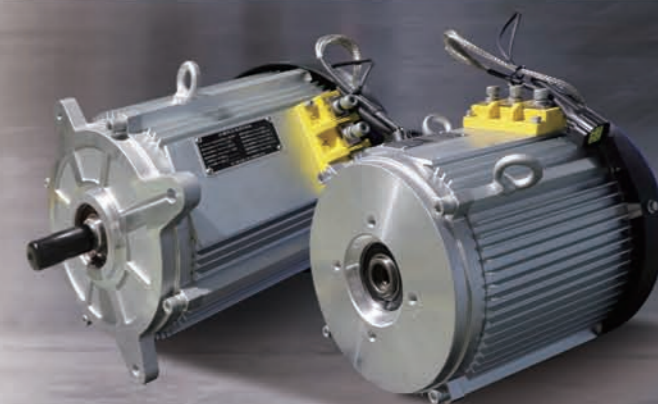


BOOM DIRECTION CONTROL

The ergonomically designed control lever provides a comfortable grip and intuitive operation, significantly enhancing work efficiency while reducing operator fatigue.

CURVE CONTROL

Automatically limiting driving speed based on turning radius effectively reduces vehicle speed, enabling smooth and precise 360-degree steering operations and improving driving safety and comfort.



PERMANENT MAGNET SYNCHRONOUS MOTOR

Both the drive and pump motors feature advanced permanent magnet synchronous technology, providing outstanding driving power and lifting performance. They're built to be reliable, durable, efficient, and long-lasting—with minimal maintenance required.

PROVEN QUALITY · GUARANTEED SAFETY

EVERY DETAIL HAS BEEN METICULOUSLY DESIGNED TO ENHANCE OPERATIONAL SAFETY, COMFORT, AND WORK EFFICIENCY, HELPING YOU COMPLETE YOUR DAILY TASKS EFFICIENTLY.

FORK SAFETY FEATURES

During lowering, the descent-control valve maintains a smooth and steady fork speed, while the safety valve protects against unexpected fork drop in the event of hydraulic line damage.



TWIST ROAD TEST



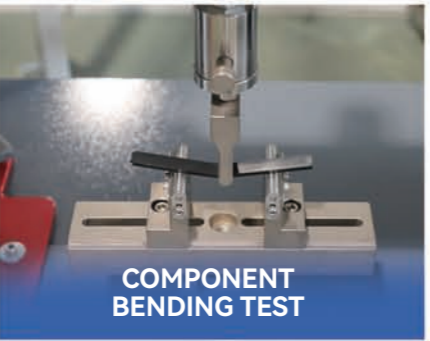
DURABILITY TEST



GRADEABILITY TEST



UNATTENDED OPERATION TESTING



COMPONENT BENDING TEST



COMPONENT CONSTANT TEMPERATURE AND HUMIDITY TESTING



COMPONENT DURABILITY TESTING



SALT FOG TEST

PERFORMANCE

Series		DE SERIES					DL SERIES					DD SERIES	
Characteristics	Manufacturer	DELIFORK	DELIFORK	DELIFORK	DELIFORK	DELIFORK	DELIFORK	DELIFORK	DELIFORK	DELIFORK	DELIFORK	DELIFORK	
	Model	Unit	CPD15	CPD20	CPD25	CPD30	CPD35	CPD30L	CPD35L	CPD38L	CPD50L	CPD40D	
	Power Type		Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric	
	Operator Position		Seated Rider	Seated Rider	Seated Rider	Seated Rider	Seated Rider	Seated Rider	Seated Rider	Seated Rider	Seated Rider	Seated Rider	
	Load Capacity	Kg	1500	2000	2500	3000	3500	3000	3500	3800	5000	4000	
	Load Center	mm	500	500	500	500	500	500	500	500	500	500	
	Load Distance (Centerline of Front Axle to Front Face of Forks)	mm	406	406	406	467	467	467	467	467	562	467	
	Wheelbase	mm	1520	1520	1520	1650	1650	1780	1780	1780	2100	1780	
	Total Weight	Kg	3300	3650	3800	4300	4700	4280	4680	5180	6700	5350	
Weights	Laden Axle Load: Front / Rear	Kg	4220/580	4910/740	5570/730	6600/700	7510/690	6530/750	7500/680	7960/1020	10295/1405	8110/1250	
	Laden Axle Unload: Front / Rear	Kg	1060/2240	1260/2390	1350/2450	1880/2420	1900/2800	1850/2430	1920/2760	2020/3160	2345/4355	2030/3220	
	Tires: Solid rubber, Superelastic, Pneumatic, Polyurethane		SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	
Dimensions	Tire Size, Front		7.00-12	7.00-12	7.00-12	28x9-15	28x9-15	28x9-15	28x9-15	28x9-15	300-15	250-15	
	Tire Size, Rear		18x7-8	18x7-8	18x7-8	6.50-10	6.50-10	6.50-10	6.50-10	6.50-10	7.0-12	6.50-10	
	Wheels, Number Front/Rear (x=Driven Wheels)		2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	
	Track Width, Front	mm	982	982	982	1002	1002	1002	1002	1002	1200	1008	
	Track Width, Rear	mm	958	958	958	982	982	982	982	982	1190	982	
	Tilt Range (Forward / Backward)	(°)	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	
	Mast Lowered Height Free Lift (Top of Forks)	mm	2015	2015	2015	2065	2065	2065	2065	2065	2230	2065	
	Free Lift (Top of Forks)	mm	150	150	150	160	160	160	160	160	120	160	
	Lifting	mm	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	
	Mast Extended Height (Top of Load Backrest)	mm	4125	4125	4125	4255	4255	4255	4255	4255	4050	4255	
	Overhead Guard Height	mm	2090	2090	2090	2115	2115	2115	2115	2115	2249	2115	
	Seat/Stand-on Platform Height	mm	1100	1100	1100	1150	1150	1150	1150	1150	1265	1150	
	Coupling Height	mm	490	490	490	480	480	480	480	480	420	480	
	Length to Fork Face	mm	2472	2472	2472	2650	2650	2840	2840	2840	3290	2840	
	Overall Length	mm	3542	3542	3542	3720	3720	4060	4060	4060	4510	4060	
	Overall Width	mm	1160	1160	1160	1240	1240	1240	1240	1270	1480	1270	
	Fork Size (T x W x L)	mm	40x120x1070	40x120x1070	40x120x1070	45x120x1220	45x120x1220	45x120x1220	45x125x1220	50x122x1220	50x150x1220	50x122x1220	
	Fork Carriage to DIN 15173, Class/Type A, B		A	A	A	A	A	A	A	A	A	A	
	Fork-Carriage Width	mm	1038	1038	1038	1100	1100	1100	1100	1100	1420	1100	
	Underclearance, Full load, Minimum (Mast)	mm	120	120	120	120	120	120	120	120	150	120	
	Underclearance, Full Load, Center of Wheelbase	mm	125	125	125	140	140	140	140	140	160	140	
	Basic Right Angle Stacking Aisle Width, 1000x1200 Across Forks	mm	3879	3879	3879	4085	4085	4204	4204	4204	4802	4204	
	Basic Right Angle Stacking Aisle Width, 800x1200 along ForksTurning Radius Turning Radius	mm	4079	4079	4079	4285	4285	4404	4404	4404	5002	4404	
	Turning Radius	mm	2080	2080	2080	2250	2250	2500	2500	2500	3040	2500	
	Minimum Pivoting Point Distance	mm	808	808	808	764	764	880	880	880	1015	880	
	Performances	Travel Speed, Full Load/No Load	km/h	12.5/14	12.5/14	12.5/14	12.5/14	12.5/14	12.5/14	12.5/14	12.5/14	12.5/14	12.5/14
		Lifting Speed, Full Load/No Load	mm/s	280/350	280/350	280/350	300/380	300/380	300/380	300/380	300/380	280/350	260/390
Lowering Speed, Full Load/No Load		mm/s	430/400	430/400	450/400	420/390	420/390	420/390	420/390	415/380	430/390	415/380	
Max. Drawbar Pull, Full Load/No Load		%	15/20	15/20	15/20	15/20	15/20	15/20	15/20	15/20	15/20	15/20	
Service Brake			Hydraulic										
Parking Brake		Mechanical											
Max traction force (5Min)	KN	8	8	8	12.5	12.5	12.5	12.5	16	30	20		
Drive	Drive Motor, S2 60 Min Duty Cycle	kw	10.2	10.2	10.2	15.2	15.2	15.2	15.2	17.2	26.2	17.2	
	Lifting Motor, S3 15% Duty Cycle	kw	15.2	15.2	15.2	24.2	24.2	24.2	24.2	24.2	31.2	24.2	
	Battery Weight	v/ah	80/210	80/210	80/210	80/210	80/210	80/210	80/210	80/320	80/420	80/320	
Others	Attachment Relief Pressure Setting	MPa	18	18	18	18	18	18	18	18	18		

OPTIONAL

● Standard configuration, ○ Optional

	Full series	CPD15	CPD20	CPD25	CPD30	CPD35	CPD30L	CPD35L	CPD38L	CPD50L	CPD40D
tire	pneumatic tire	○	○	○	○	○	○	○	○	○	○
	solid tire	●	●	●	●	●	●	●	●	●	●
Seats	eco-friendly tires	○	○	○	○	○	○	○	○	○	○
	Luxury seats	●	●	●	●	●	●	●	●	●	●
control valve	Two-way valve	●	●	●	●	●	●	●	●	●	●
	Three-way valve	○	○	○	○	○	○	○	○	○	○
	Four-way valve	○	○	○	○	○	○	○	○	○	○
gantry	Standard Level 2, 3m	●	●	●	●	●	●	●	●	●	●
	Standard Level 2, 3.5m	○	○	○	○	○	○	○	○	○	○
	Standard Level 2, 4m	○	○	○	○	○	○	○	○	○	○
	Standard 2 Level 4.5m	○	○	○	○	○	○	○	○	○	○
	Standard Level 2, 5m	○	○	○	○	○	○	○	○	○	○
	Level 2 Full Freedom	○	○	○	○	○	○	○	○	○	○
	Grade 3 Full Free 4.5m	○	○	○	○	○	○	○	○	○	○
	3-level full freedom 5m	○	○	○	○	○	○	○	○	○	○
	Grade 3 Full Free 5.5m	○	○	○	○	○	○	○	○	○	○
Forklift	Grade 3 Full Freedom 6m	○	○	○	○	○	○	○	○	○	○
	1070mm	○	○	○	○	○	○	○	○	○	○
	No forklift required	○	○	○	○	○	○	○	○	○	○
	1220mm	●	●	●	●	●	●	●	●	●	●
	1370mm	○	○	○	○	○	○	○	○	○	○
	1520mm	○	○	○	○	○	○	○	○	○	○
	1670mm	○	○	○	○	○	○	○	○	○	○
lamp	1820mm	○	○	○	○	○	○	○	○	○	○
	2000mm	○	○	○	○	○	○	○	○	○	○
	Standard lighting (front and rear combined lights)	●	●	●	●	●	●	●	●	●	●
	Strobe Warning Light (Yellow)	○	○	○	○	○	○	○	○	○	○
Cockpit	Rear light	●	●	●	●	●	●	●	●	●	●
	Three-sided blue light	○	○	○	○	○	○	○	○	○	○
	Standard roof guard	●	●	●	●	●	●	●	●	●	●
motor	Double 14	●	●	●	●	●	●	●	●	●	●
	Double 18	○	○	○	○	○	○	○	○	○	○
Battery	80V210AH	●	●	●	●	●	●	●	●	●	●
	80V320AH	○	○	○	○	○	○	○	○	○	○
	80V420AH	○	○	○	○	○	○	○	○	○	○
	80V640AH	○	○	○	○	○	○	○	○	○	○
charger	65A	●	●	●	●	●	●	●	●	●	●
	100A	○	○	○	○	○	○	○	○	○	○
	200A	○	○	○	○	○	○	○	○	○	○
Usage Environment	Charge and Discharge Heating System	○	○	○	○	○	○	○	○	○	○
	Cold storage vehicle	○	○	○	○	○	○	○	○	○	○
attachments	Lateral displacement of the external support	○	○	○	○	○	○	○	○	○	○
	Adjustable distance fork	○	○	○	○	○	○	○	○	○	○

COLOR OPTION

- Orange-red
- Blue

