

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.liftronymh.com

GLOBAL INTELLIGENT MANUFACTURING



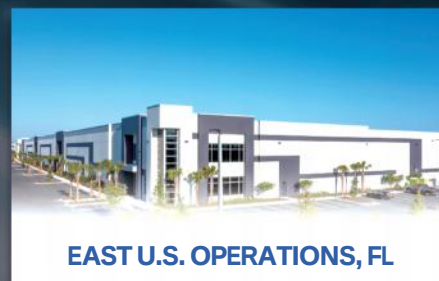
GLOBAL CENTER FOR R&D AND MANUFACTURING,
XIAMEN, CHINA



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

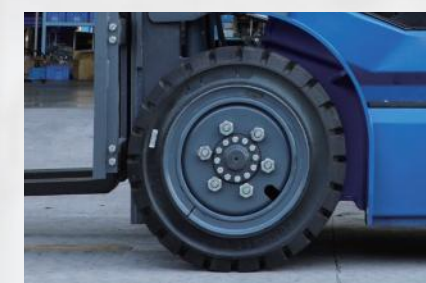
POWER, COMFORT, SAFETY, INTELLIGENCE.
OUR HIGH STANDARDS COME BUILT-IN,
NEVER ADDED ON.



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 PERMA-
NENT 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%

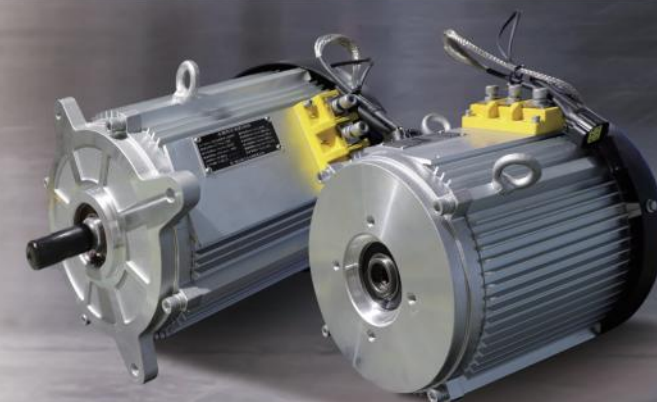


BOOM DIRECTION CONTROL

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

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

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



● BUMP TEST



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
	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	m m	500	500	500	500	500	500	500	500	500	500
	Load Distance (Centerline of Front Axle to Front Face of Forks)	m m	406	406	406	467	467	467	467	467	562	467
	Wheelbase	m m	1520	1520	1520	1650	1650	1780	1780	1780	2100	1780
Weights	Total Weight	Kg	3300	3650	3800	4300	4700	4280	4680	5180	6700	5350
	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
Dimensions	Tires: Solid rubber, Superelastic, Pneumatic, Polyurethane		SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
	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	m m	982	982	982	1002	1002	1002	1002	1002	1200	1008
	Track Width, Rear	m m	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)	m m	2015	2015	2015	2065	2065	2065	2065	2065	2230	2065
	Free Lift (Top of Forks)	m m	150	150	150	160	160	160	160	160	120	160
	Lifting	m m	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
	Mast Extended Height (Top of Load Backrest)	m m	4125	4125	4125	4255	4255	4255	4255	4255	4050	4255
	Overhead Guard Height	m m	2090	2090	2090	2115	2115	2115	2115	2115	2249	2115
	Seat/Stand-on Platform Height	m m	1100	1100	1100	1150	1150	1150	1150	1150	1265	1150
	Coupling Height	m m	490	490	490	480	480	480	480	480	420	480
	Length to Fork Face	m m	2472	2472	2472	2650	2650	2840	2840	2840	3290	2840
	Overall Length	m m	3542	3542	3542	3720	3720	4060	4060	4060	4510	4060
	Overall Width	m m	1160	1160	1160	1240	1240	1240	1240	1270	1480	1270
	Fork Size (T × W × L)	m m	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	m m	1038	1038	1038	1100	1100	1100	1100	1100	1420	1100
	Underclearance, Full load, Minimum (Mast)	m m	120	120	120	120	120	120	120	120	150	120
	Underclearance, Full Load, Center of Wheelbase	m m	125	125	125	140	140	140	140	140	160	140
	Basic Right Angle Stacking Aisle Width, 1000x1200 Across Forks	m m	3879	3879	3879	4085	4085	4204	4204	4204	4802	4204
	Basic Right Angle Stacking Aisle Width, 800x1200 along ForksTurning Radius Turning Radius	m m	4079	4079	4079	4285	4285	4404	4404	4404	5002	4404
	Turning Radius	m m	2080	2080	2080	2250	2250	2500	2500	2500	3040	2500
	Minimum Pivoting Point Distance	m m	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	m m/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	m m/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										
Drive	Max traction force (5Min)	KN	8	8	8	12.5	12.5	12.5	12.5	16	30	20
	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
Others	Battery Weight	v /ah	80/210	80/210	80/210	80/210	80/210	80/210	80/210	80/320	80/420	80/320
	Attachment Relief Pressure Setting	MPa	18	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	●	●	●	●	●	●	●	●	●	●
	eco-friendly tires	○	○	○	○	○	○	○	○	○	○
Seats	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	○	○	○	○	○	○	○	○	○	○
	Grade 3 Full Freedom 6m	○	○	○	○	○	○	○	○	○	○
Forklift	1070mm	○	○	○	○	○	○	○	○	○	○
	No forklift required	○	○	○	○	○	○	○	○	○	○
	1220mm	●	●	●	●	●	●	●	●	●	●
	1370mm	○	○	○	○	○	○	○	○	○	○
	1520mm	○	○	○	○	○	○	○	○	○	○
	1670mm	○	○	○	○	○	○	○	○	○	○
	1820mm	○	○	○	○	○	○	○	○	○	○
	2000mm	○	○	○	○	○	○	○	○	○	○
lamp	Standard lighting (front and rear combined lights)	●	●	●	●	●	●	●	●	●	●
	Strobe Warning Light (Yellow)	○	○	○	○	○	○	○	○	○	○
	Rear light	●	●	●	●	●	●	●	●	●	●
	Three-sided blue light	○	○	○	○	○	○	○	○	○	○
Cockpit	Standard roof guard	●	●	●	●	●	●	●	●	●	●
motor	Double 14	●	●	●	●	●	●	●	●	●	●
	Double 18	○	○	○	○	○	○	○	○	○	○
Battery	80V210AH	●	●	●	●	●	●	●	●	●	●
	80V320AH	○	○	○	○	○	○	○	○	○	○
	80V420AH	○	○	○	○	○	○	○	○	○	○
	80V640AH	○	○	○	○	○	○	○	○	○	○
	65A	●	●	●	●	●	●	●	●	●	●
charger	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

