ROYAL WITH YOU RY



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CE CERTIFICATE ISO14001:2015 ISO9001:2015

Royal Forklift (Suzhou) Co., Ltd. reserves the right to make any changes without notice concerning colors, equipment or specifications detailed in this brochure, or to discontinue individual models. The configuration of trucks, delivered may differ slightly from those in brochures.

LITHIUM BATTERY FORKLIFT

WITH CAPACITY OF 2,000 TO 3,500KG

LI-ION TECHNOLOGY

INNOVATIVE LITHIUM-ION

www.ryforklift.com

ROYAL WITH YOU RY

improve

ROYAL IMPROVE YOUR WORK EFFICIENCY



Royal with you!

ADVANTAGES:

1 ECO-FRIENDLY

Using low-carbon, clean, and environmental friendly lithium battery. Lower noise, zero emission, and less vibration

2 MULTI-SCENARIO USAGE

Adopting the IC forklift structures enable to operate indoors and outdoors, with great waterproof and dustproof performance.

3 LOWER TOTAL OWNERSHIP COST

The purchase price is similar to a regular IC forklift . No fuel consumption cost , no maintenance fee for air filter, oil filter or engine oil changes compare to a regular IC forklift.

VISION INCREASED 18%

VEHICLE VIBRATION 5%

WATERPROOF IP65

USING COST REDUCE 30%

NOISE 30dB

EMISSIONS 0



LED LIGHTS

- Energy Savings, Long Life LED Lights offer long life and low energy consumption.



RIGHT SIDE OPERATING HANDLE

- Better design, convenient and quick to get on the truck



CAR TYPE HAND BRAKE

- Hand parking brake device with button greatly reduces fatigue in operation, lighter and safer.



OPS

- Operator presense security system



GREATER REAR VIEW

- Compact model design for better rear view



FORWARD VISIBILITY

- Optimal mast width and hose lay-behind ensure a clear view through the mast.

MULTIFUNCTIONAL LCD DISPLAY

- Better design, convenient and quick to get the data of the truck.



SUSPENSION PEDALS

- Provide extra foot space helps significantly reduce the driver's fatigue and vibration from the transmission, increase operation comfort



LARGE FOOT OPERATION SPACE

- The foot operation space be enlarged by 20% to provide operator with comfortable feeling..



HIGH-PERFORMANCE LITHIUM BATTERY

- Larger capacity, longer use time



FASTING CHARGER

- Fast charging does not damage the battery



IP65 WATERPROOF CHARGING PORT

- Safer for outdoor use



0.48m/s
Lifting speed with load



0.43m/s
Lifting speed without load



20%
Maximum gradeability with load



16-20km/h
Driving speed

GRADEABI LITY ****

TRAVEL SPEED ****

LIFTING SPEED ****

LOWERING SPEED ****

TURNING ****

Comfort and Ergonomics



Equipped with 153.6V automotive grade high-voltage charging platform, the charger is plug and play, easy to use.



Creative design, open the driver's seat to check, very easy for maintenance.



The multi-way valve is placed on the side, which is more convenient to operate and easier to maintain.



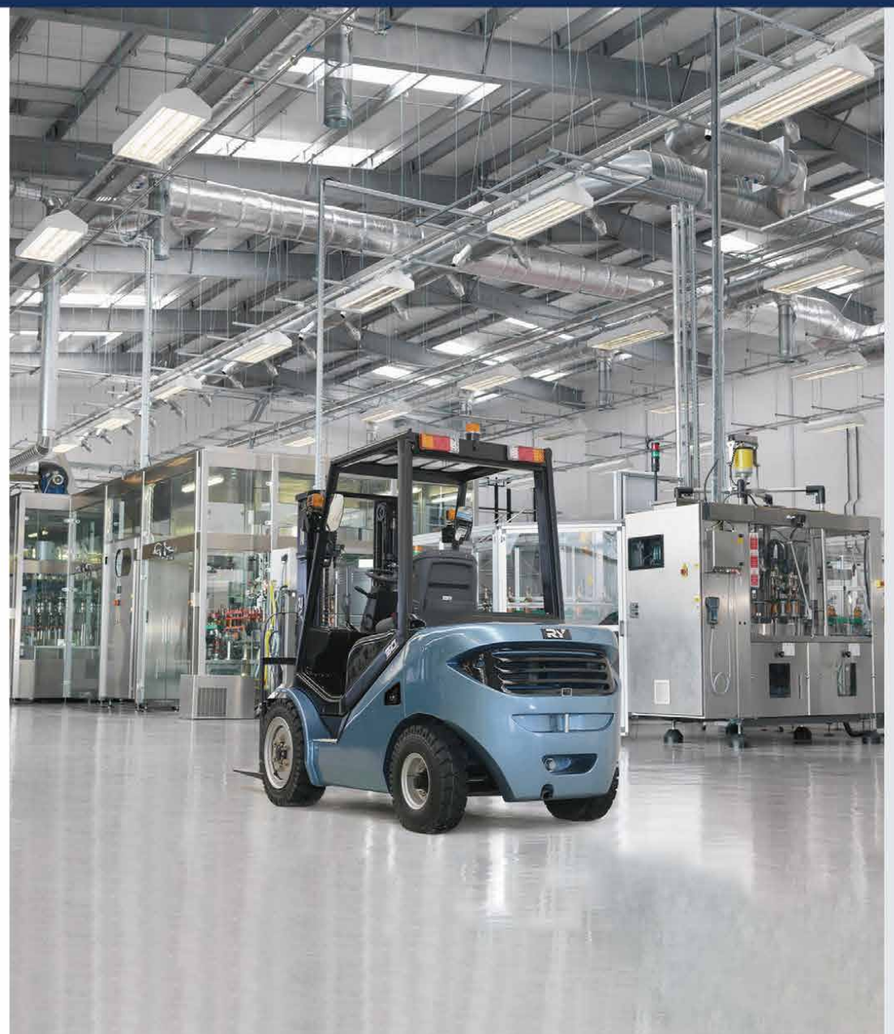
Working Eficiency

20% UP

Performance Design

Adjustable seat with right positioned control lever, with the theory of ergonomic, it works out the best moment arm of force, to have the operation handler in the best position. It can provide the operator with the best comfort of operation and also increase the better visibility.

Internal cylinder design for dust-proof avoid potential damage. The tilting angle of floor board is reduced to 15°, comfort and reduces leg fatigue when operating.

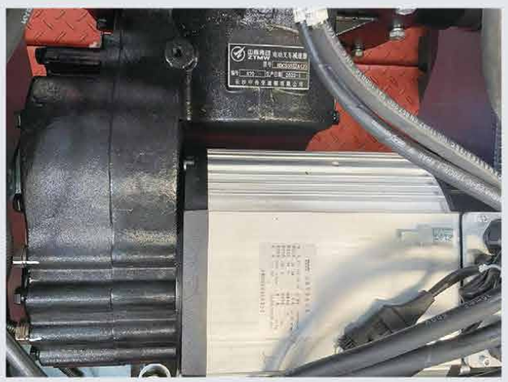




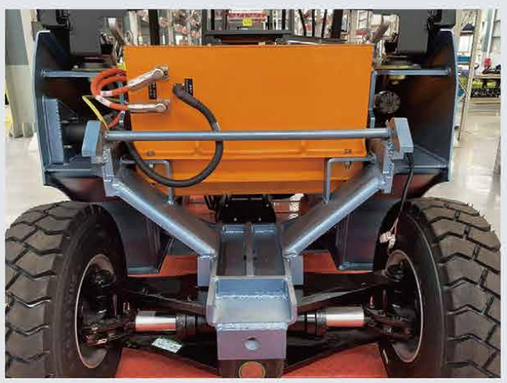
5S on-site management / automotive level assembly line production



Controller is designed in front with a cooling fan, which has a good cooling effect and is easy



Equipped with permanent magnet motor, strong power and low energy consumption.



Rotatable charging plug which is easy for maintenance.

NEW GENERATION
LI-ION BATTERY POWER NOW

Rapid and opportunity charging ensures continuous availability of the material handling equipment.
Lightweight design, highly efficient, maintenance-free, and a long service life are all benefits of the the R series.
The newly designed chassis has a low center of gravity allowing the operator to feel stable while turning the forklift.

LI-ION TECHNOLOGY



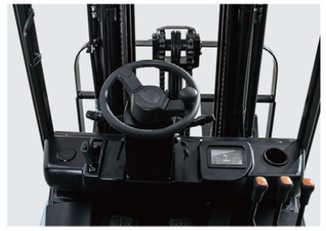
High capacity LI-ION battery packs

Integrated Battery Management System (BMS) continualy monitors energy management and engures reliable operation ROYAL provides Li-Ion battery with 5 years or 10000 hours waranty.

			Battery Capacity	
Pack 1	2.0-3.5 lithium battery	Charing 1-2 hours	Working 7 hours	153.6V/100AH
Pack2	2.0-3.5 lithium battery	Charing 1-2 hours	Working 8 hours	153.6V/150AH
Pack3	2.0-3.5 lithium battery	Charing 1-2 hours	Working 9 hours	153.6V/180AH

Excellent Ergonomic Design

/ The truck has a large operating space more than **50%** larger than the traditional electric tuck
/ The dashboard in the driver's cab is placed overhead and can be seen when the diver ifts her/his head and the function buttons can be pressed easly.
/ For the optionalintegrated fingertip control system the combined operating armrest integrates the emergency cut-off, horm and quadiuple thumb switches, etc, is electrically controlled through the CAN bus and is highly reliable
/ The enlarged brake pedal and appropriate regenerative braking function can effectively reduce the driver's fatigue







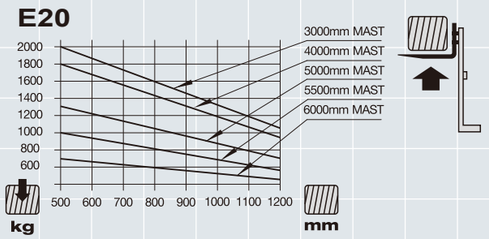
Advantages

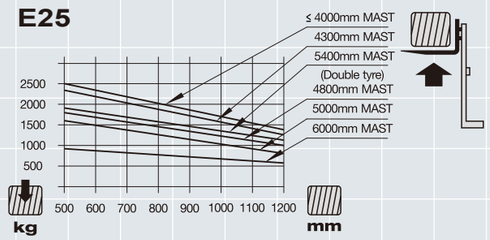


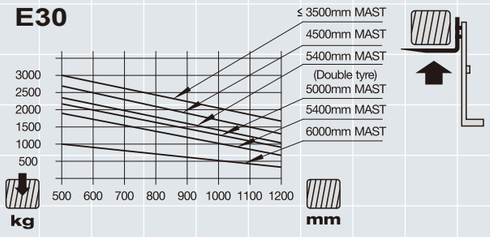
Using low-carbon, clean, and environmental friendly lithium battery.
Lower noise, zero emission, and less vibration.

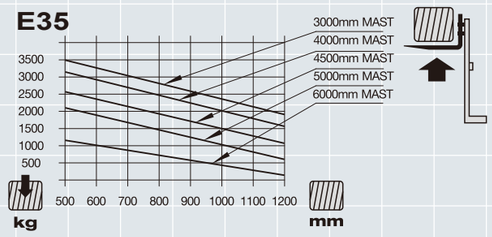
This combination of IC forklift and electric forklift makes an ideal solution to reach customers' satisfaction on cost saving and environmental friendly.

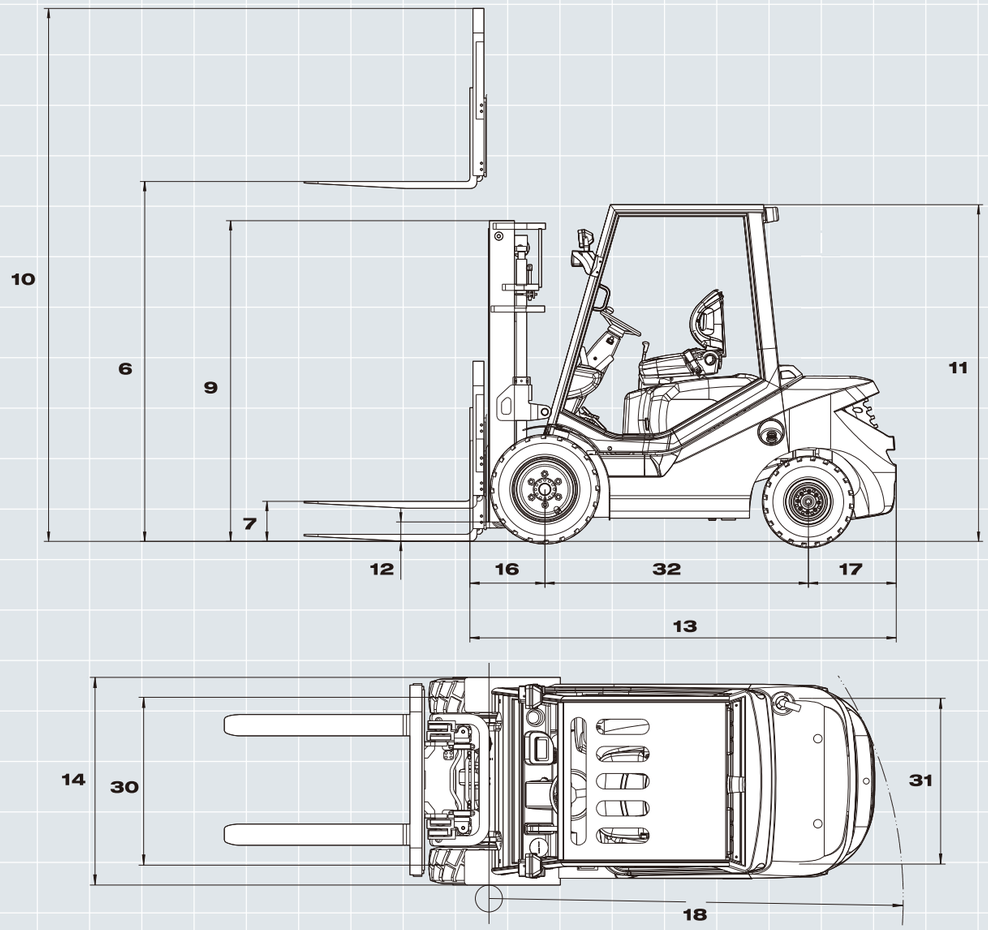
The purchase price is similar to a regularIC forklift .
No fuel consumption cost , no maintenance fee for air Iter, oil Iter or engine oil changes compare to a regular IC forklift.











MAIN SPECIFICATIONS

Specification	1	Manufacturer		ROYAL FORKLIFT			
	2	Model		E20H	E25H	E30H	E35H
	3	Power Type		Electric	Electric	Electric	Electric
	4	Rated Load Capacity	kg	2000	2500	3000	3500
	5	Load Centre	mm	500	500	500	500
Dimensions	6	Rated Lift Height	mm	3000	3000	3000	3000
	7	Free Lift Height	mm	140	140	145	145
	8	Tilting Angle (F/R, α°/β°)	Deg	6°/12°	6°/12°	6°/12°	6°/12°
	9	Height when Mast Lowered	mm	2045	2045	2060	2060
	10	Height to Safeguard	mm	2180	2180	2192	2192
	11	Min. Ground Clearance	mm	130	130	145	145
	12	Length (to Fork Face)	mm	2675	2675	2716	2780
	13	Width	mm	1150	1150	1220	1220
	14	Fork Size (L×W×T)	mm	1070×125×40	1070×125×40	1070×125×45	1070×125×45
	15	Fork Spread (Min./Max.)	mm	200/1040	200/1040	200/1100	200/1100
	16	Overhang Front	mm	478	478	483	483
	17	Overhang Rear	mm	558	558	578	642
	18	Min. Turning Radius	mm	2315	2315	2420	2490
	19	Height when Mast Lifted	mm	4145	4145	4160	4160
	20	Working Aisle Width with Pallet (Ast)*, 1000×1200 Crossways	mm	4010	4010	4120	4190
Performance data	21	Travel Speed (Full Load)	km/h	17	17	20	20
	22	Travel Speed (No Load)	km/h	16	16	20	20
	23	Lifting Speed (Full Load)	mm/s	480	480	480	480
	24	Lifting Speed (No Load)	mm/s	430	430	430	430
	25	Gradeability (Full Load)	%	15	15	20	20
	26	Gradeability (No Load)	%	15	15	20	20
	27	Service Brake		Foot/Powershift	Foot/Powershift	Foot/Powershift	Foot/Powershift
	28	Parking Brake		Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical
Tyres, chassis	29	Tyre (FrontX2)		7.00-12-12PR	7.00-12-12PR	28×9-15-12PR	28×9-15-12PR
	30	Tyre (RearX2)		18×7-8-14PR	18×7-8-14PR	18×7-8-14PR	18×7-8-14PR
	31	Tread (Front)	mm	970	970	1000	1000
	32	Tread (Rear)	mm	950	950	970	970
	33	Wheelbase	mm	1650	1650	1700	1700
Weight	34	Total Weight (Include Battery)	kg	3550	3720	4410	4850
	35	Front Axle Weight Distribution (Full Load)	kg	4856	5372	6490	7320
	36	Rear Axle Weight Distribution (Full Load)	kg	594	748	820	930
	37	Front Axle Weight Distribution (No Load)	kg	1507	1492	1764	2040
	38	Rear Axle Weight Distribution (No Load)	kg	1943	2128	2546	2710
Drive	39	Drive Motor	kw	29	29	29	29
	40	Pump Motor	kw	22	22	22	22
	41	Standard Battery	V/Ah	153.6V/100Ah /150/Ah/180Ah	153.6V/100Ah /150/Ah/180Ah	153.6V/100Ah /150/Ah/180Ah	153.6V/100Ah /150/Ah/180Ah
	42	Battery weight	kg	395	395	395	395
	43	Controller Type		AC	AC	AC	AC
	44	Operating Pressure for Attachment	Mpa	17.5	17.5	17.5	17.5

Specifications and characteristics are subject to change without notice.

Please contact us for detailed information.