

R2 SERIES

LITHIUM BATTERY FORKLIFT

RE 30/35/38 • HLBR2B • SLBR2C



**EXTRA WORK,
EXTRA STRONG**

After more than 30 years of development, BOMAC has grown into a large company and a world-class forklift exporter and has been widely used in Indonesia.



Low maintenance
and operating
cost

INDOTARA

CONTENT

- **Manufacturer & Technical Data.....1**
- **Load Curve3**
- **Charger3**
- **Integrated Solution, Powerful and Efficient4**
- **Integrated Water Cooling and Heat Dissipation System Makes It More**
- **Suitable for High-Intensity Working Conditions.....5**
- **The Design in Designs Is More Humanized and Safer5**
- **Reliable Quality, Safe and Worry Free6**
- **Full LCD Digital High-Definition instrument With More Comprehensive**
- **Functions7**
- **Operating Cost Comparison: Lithium Battery Forklift VS. Lead Acid Battery**
- **Forklift VS. IC Forklift.....7**

 **BOMAC**
エクストラー ワークス エクストラー ストロング

MANUFACTURER & TECHNICAL DATA

CHARACTERISTICS

Manufacturer			BOMAC				
Model			RE30	RE35	RE38	RE30	RE35
Configuration number			HLBR2B			SLBR2C	
Rated Capacity	Q	Kg	3000	3500	3800	3000	3500
Load center distance	c	mm	500			500	
Power mode			Lithium Battery			Lithium Battery	
Driving Mode			Sit-on type			Sit-on type	
Front overhang	x	mm	478	484	484	478	484
Wheelbase	y	mm	1750			1750	

WEIGHT

Total weight		kg	4340	4700	4870	4190	4550
Axle load (laden, front/rear)		kg	6545/830	7405/872	7755/890	6335/798	7195/840
Axle load (unladen, front/rear)		kg	1795/2560	1820/2880	1820/3060	1720/2480	1760/2800

TYRES

Tyre type			Pneumatic type		Pneumatic type		
Tyre size, front			28x9-15-14PR		28x9-15-14PR		
Tyre size, rear			6.5-10-10PR		6.5-10-10PR		
Wheels, number front/rear (x=driven wheels)			2X/2		2X/2		
Tread, front	B10	mm	1000		1000		
Tread, rear	B11	mm	970		970		

DIMENSION

Mast tilt angle (forward/backward)	α/β	o	6/12			6/12	
Height (mast lowered)	H1	mm	2070	2120	2180	2070	2120
Free lifting height	H2	mm	155	160	160	155	160
Lifting height (standard)	H3	mm	3000			3000	
Max. height, extended (with backrest)	H4	mm	4217			4217	
Height of overhead guard	H6	mm	2140			2140	
Seat height relating to SIP (to ground)	H7	mm	1256			1256	
Towing coupling height	H10	mm	310			310	

RE 30/35/38 T · HLBR2B · SLBR2C
R2 SERIES LITHIUM BATTERY

Overall length (with fork)	L1	mm	3814	3820	3870	3814	3820
Overall length (without fork)	L2	mm	2744	2750	2800	2744	2750
Overall width	B1	mm	1225			1225	
Fork size: thickness x width x length	s/e/l	mm	45x125x1070			45x125x1070	
Fork carriage, according to ISO2328			2A			2A	
Distance across fork-arms, Max./Min	B5	mm	1060/250			1060/250	
Ground clearance (laden, between mast)	M1	mm	135			135	
Ground clearance (center of wheelbase))	M2	mm	155			155	
Right angle stacking aisle width for pallet 1000 x 1200mm crossway	Ast	mm	4078	4084	4094	4078	4084
Right angle stacking aisle width for pallet 800 x 1200mm lengthways	Ast	mm	4278	4284	4294	4278	4284
Min. outside turning radius	Wa	mm	2400	2400	2410	2400	2400

PERFORMANCE DATA

Travel speed		Km/h	20/20	20/20	20/20	13/13	13/13
Lift speed		mm/s	500/600	430/550	430/550	340/420	270/390
Lowering speed		mm/s	400/500	450/450	450/450	450/450	450/450
Max. drawbar pull		N	20300/13300	20500/13550	21300/13950	15500/13300	15530/13690
Max. gradeability		%	22/25	20/25	15/18	15/18	15/18
Acceleration time (10)		s	5.4/5.0	5.6/5.1	5.7/5.2	6.1/5.4	6.3/5.6

BATTERY

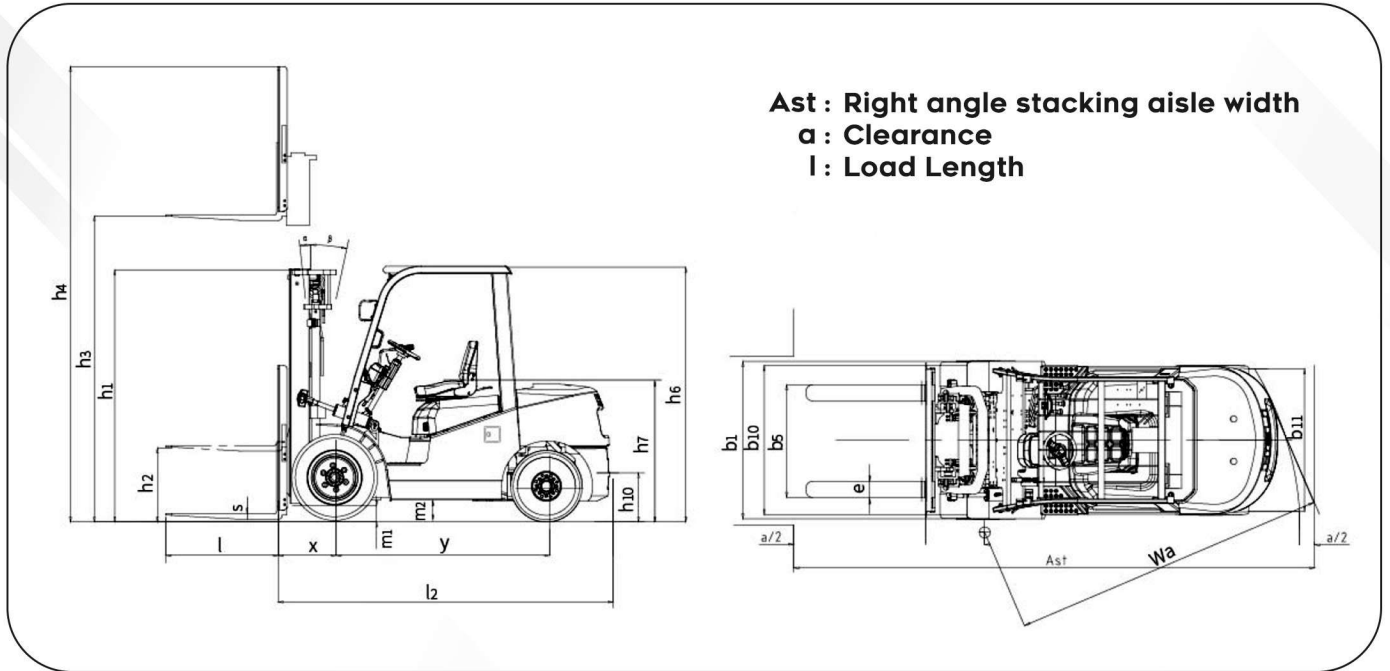
Voltage/Capacity (K5)		V/Ah	153.6/165 (Optional 153.6/230) Orders of 153.6V/230Ah is available)			115.2/125 (Optional 115.2/165.115.2/230)	
Mass (Min./Max.)		kg	255/304			150/230	

MOTOR AND CONTROLLER

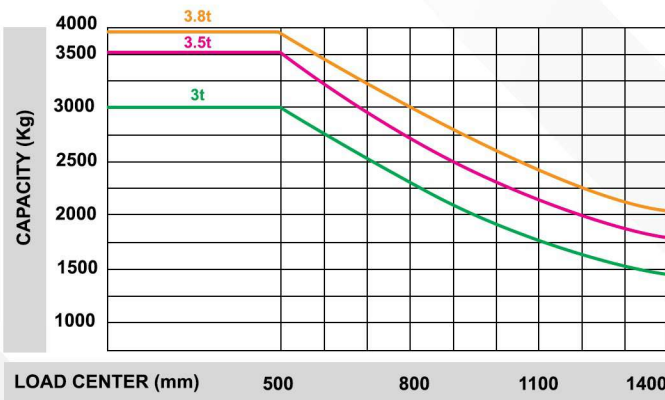
Power of driving motor (S2-60min)		kW	20			15	
Power of lifting motor (S3-15%)		kW	20			15	
Control mode of driving motor			MOS tube/AC			MOS tube/AC	
Control mode of lifting motor			MOS tube/AC			MOS tube/AC	

ADDITION DATA

Service brake/Parking brake			Hydraulic pedal type/mechanical manual type			Hydraulic pedal type/mechanical manual type	
Operating pressure for attachments		Mpa	14-16			14-16	



LOAD CURVE



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 1000mm 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.

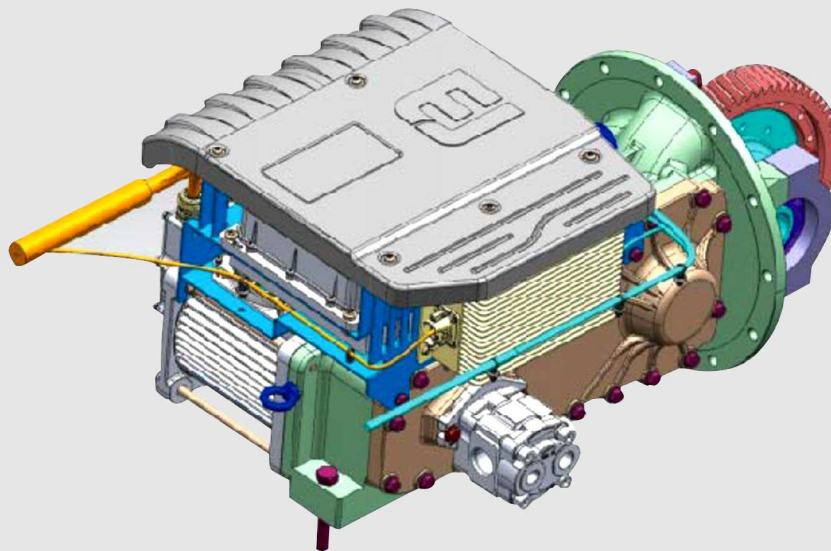
CHARGER

Charger model	APSP-150V100A-S1	APSP-150V200A-S1	D115V-50A-LI-428	D115V-100A-LI-428
Rated input voltage	Three phase four wire system AC380V ± 15 %	Three phase four wire system AC380V ± 15 %	Three phase four wire system AC380V	Three phase four wire system AC380V
Rated frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Input power	≤ 20 KVA	≤ 40 KVA	≤ 7 KW	≤ 14 KW
Protection degree	IP20	IP20	IP20	IP20
Rated output voltage	150V	150V	115V	115V
Rated output current	100A	200A	50A	100A
Rated output power	15KW	30KW	6KW	12KW
Cooling way	Forced Cooling	Forced Cooling	Forced Cooling	Forced Cooling
Working temperature	-20°C - 50°C	-20°C - 50°C	-20°C - 50°C	-20°C - 50°C
Plugs and sockets	International charging gun	International charging gun	REMA plugs	REMA plugs
Models	K2B11LI-H		K2C11LI-S	



Integrated Solution, Powerful And Efficient

- The voltage is increased from 80V of traditional lithium battery powered truck to 153.6V. The overall energy efficiency is significantly improved by increasing of the motor power and reducing of the current of motor and controller
- Permanent magnet synchronous motor for electric vehicle which has lighter mass compared with the same energy three-phase asynchronous motor is adopted and the comprehensive efficiency is significantly improved by 20%.
- Superior comprehensive performance and significantly improved operation efficiency, which is superior to fuel truck.



Parameters On Power	BOMAC R2 Series Lithium Battery	Competitor
Max. gradeability (loaded/unloaded)	22%/55%	15%-20%
Travelling speed (loaded/unloaded)	20/20km/h	15-20km/h
Lifting speed (loaded/unloaded)	430/550mm/s	430/470mm/s

Note: The displayed data is for RE35-HLBR2B model, and other data are shown in the technical parameter table.

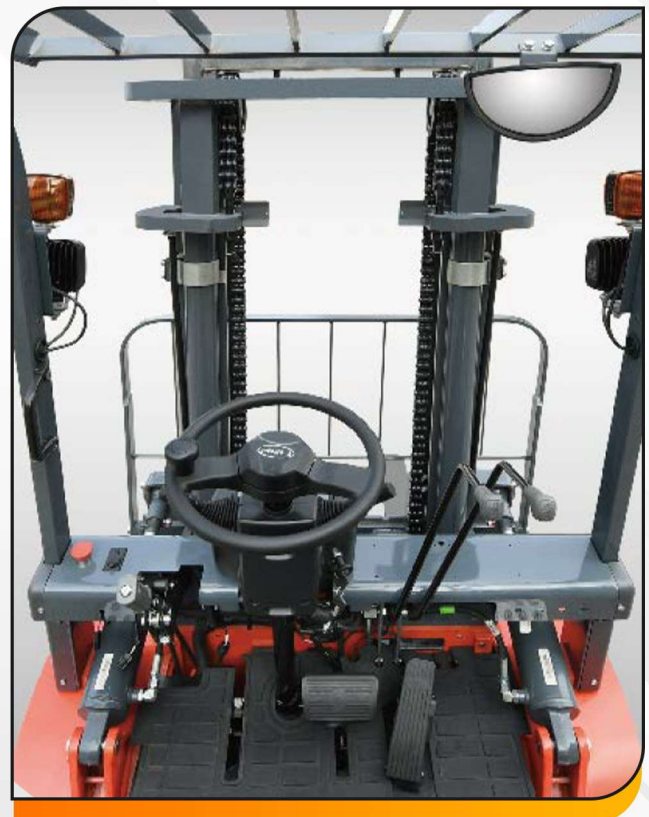
Integrated Water Cooling And Heat Dissipation System Makes It More Suitable For High-Intensity Working Conditions.

- Integrated fan and water tank makes truck high efficiency and energy saving;
- The electric control of the motor is cooled in real time to minimize the shutdown caused by overheating of controller and motor;
- Hydraulic oil heat dissipation is equipped as standard to ensure the service life of hydraulic components and seals.



The Design In Designs Is More Humanized And Safer.

- Standard configuration of small diameter steering wheel with handle ball makes steering operation more comfortable.
- The seat is spacious and comfortable and there is more spacious leg space as internal combustion model because of the adoption of the internal combustion truck platform.
- Wide view mast taking from internal combustion models offers wider working field of vision and safer operation.
- USB power setting of instrument panel makes mobile phone charging more convenient.
- MSD maintenance switch realizes power cut off by one key and makes truck safe and reliable.
- The national standard charging socket makes it more convenient to charge at any time.



**EXTRA WORK,
EXTRA STRONG**



Note: Page 3-4 based on data and configuration of HLBR2B model. For more model details, please consult the sales person.

Reliable Quality, Safe And Worry Free

- Integrated casting drive axle and reinforced casting steering axle have been proven by the market and are mature and reliable.
- The mast and truck body of K2 series trucks have stronger bearing capacity, higher stability and safety.
- The test of main parts shall be fully verified to ensure reliability and safety.



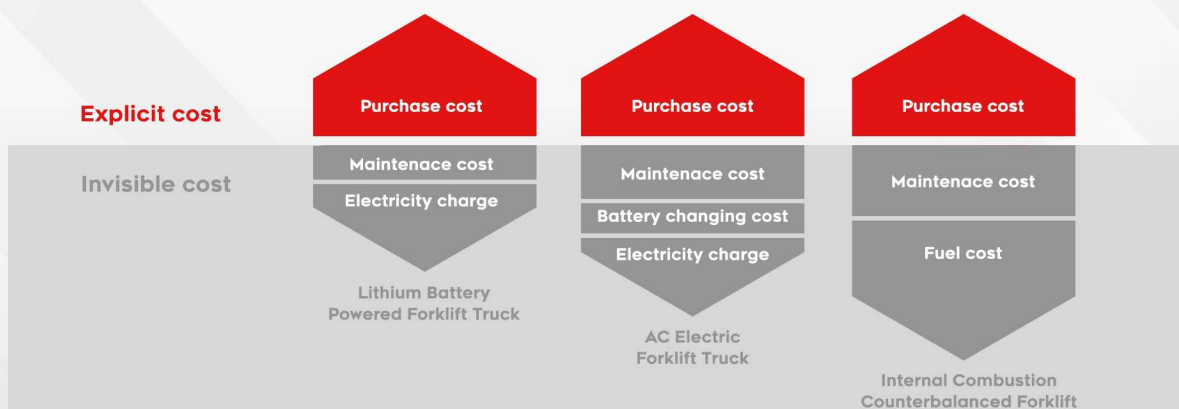
Full LCD Digital High-Definition instrument With More Comprehensive Functions.

- 4.3-inch high-definition LCD instrument makes the whole truck monitoring more convenient;
- The instrument interface comprehensively displays the basic information such as speed, electric quantity, service time and fault code, which is safe and efficient;
- The instrument is set with option button, and the auxiliary page can display the detailed information such as current, voltage, motor speed and motor electric control temperature. At the same time, the test options such as fan and electronic water pump are set to facilitate after-sales maintenance and inspection.



Operating Cost Comparison: Lithium Battery Forklift VS. Lead Acid Battery Forklift VS. IC Forklift

- The advantages of BOMAC lithium battery forklift trucks are more prominent in the life cycle cost.
- Compared with internal combustion forklift truck, lithium battery forklift truck has the advantages of no noise, no pollution, small vibration and simple operation.
- Compared with the lead-acid battery forklift truck, lithium battery forklift has the characteristics of fast charging and charging at any time, which is more suitable for multi shift operation. Besides, BOMAC lithium battery forklift is maintenance free, high power conversion efficiency, and economical overall operation cost.



INDOTARA®

PT. INDOTARA PERSADA

Our Marketing Office and After Sales Service Center

Head Office

50/F, Menara BCA Grand Indonesia
Jl. M.H. Thamrin No.1
Jakarta Pusat 10310

021 - 5011 2224

dhe@indotara.id



Semarang Office

Wisma HSBC Lt. 6 Suite 609
Jl. Gajah Mada No.135
Semarang, Jawa Tengah 50134

024 - 40 33 88 99

smg.dhe@indotara.id



Marketing Office

APL Tower 6th Floor No. 6 Central Park,
Jl. Letjen S. Parman Kav 28,
Jakarta Barat - 11440

021 - 5011 2224

dhe@indotara.id



Medan Office

Sutomo Tower Lantai 5H
Jl. Sutomo Ujung No.28,
Kota Medan, Sumatera Utara 20235

061 - 50 300 600

mdn.dhe@indotara.id



Graha Indotara

Millenium Industrial Estate
Jl. Millenium 22 Blok R3 No. 1
Cikupa, Tangerang - Banten 15720

021 - 5011 2224

dhe@indotara.id



Makassar Office

Fajar Graha Pena Lt. 5
Jl. Urip Sumoharjo No. 20,
Makassar - South Sulawesi 90234

021 - 5011 2224

mks.dhe@indotara.id



Bandung Office

Wisma HSBC Lt. 6 Suite B
Jl. Asia Afrika No. 116
Bandung, Jawa Barat 40112

021 - 5011 2224

bdg.dhe@indotara.id



Balikpapan Office

Panin Tower Lt. 8 - Grand Sudirman
Jl. Jendral Sudirman No.7 Klandasan Ilir,
Balikpapan Kota, Kalimantan Timur 76114

021 - 5011 2224

bpp.dhe@indotara.id



Surabaya Office

Japfa Indoland Center, Tower I Lt. 10/1008
Jl. Jendral Basuki Rahmat 129-137
Surabaya 60271

031 - 3313 3333

sby.dhe@indotara.id



Bali Office

Benoa Square Lt. 2
Jl. Bypass Ngurah Rai No. 21 A Kedonganan,
Kuta Badung - Bali Indonesia 80361

021 - 5011 2224

bali.dhe@indotara.id



Yogyakarta Office

Hartono Mall Yogyakarta Lt. 3
Kaliwaru, Condongcatur,
Sleman, Yogyakarta 55281

021 - 5011 2224

yog.dhe@indotara.id



Singapore Office

Marina Bay Financial Centre Tower 3
17F, 12 Marina Boulevard
Singapore - 018982

021 - 5011 2224

sing.dhe@indotara.id

