



# **IBYD FORKLIFTS**

A COMPLETE MODEL RANGE POWERED BY LITHIUM IRON PHOSPHATE BATTERIES

**BYD Europe B.V.** 

**BYD China Headquarter** 

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BYD trucks conform to the European Safety Requirements





BYD FORKLIFT



BYD ebus - Pure Electric



BYD e6 – Pure Electric



BYD QIN-PHEV



**BYD LIGHTING** 



BYD SOLAR

#### **ABOUT BYD**

The BYD Company Limited employs 180.000 employees with a yearly turnover of over €8.5 billion, and is headquartered in Shenzhen (China).

Established in 1995, BYD is listed on both the Hong Kong and Shenzhen Stock Exchanges, and specializes in forklift, automotive, electric vehicles and buses, as well as in new energy (solar) and IT, with its ultimate goal to spur mass-market adoption of green technologies and help preserve the environment, reduce air pollution and resolve global energy crisis.

BYD Europe has been present in Europe since 1999, servicing the European market for batteries and energy storage solutions from Rotterdam. Lately BYD Europe has become a major supplier of pure electric solutions to public transportation all over Europe. Major countries like the Germany, UK, France, Netherlands, Spain and Poland are using BYD pure electric buses and/or taxis.

BYD Forklift started operations in 2010 in Shaoguan (China), with a one million  $m^2 - 50.000$  units per year factory, equipped with the latest manufacturing technology such as automatic robot welding. The BYD forklifts have been since then marketed in China, and will be sold and serviced in all of Europe starting 2015. The BYD forklift headquarters is located since 2013 in Rotterdam.



#### IT Business

Microelectronics LCD/LCM Li-ion Battery Fe Battery Ni-Battery & FPC Camera Module

Opto-Electronics UPS & DPS Cellphone Assembly & SMT Cellphone Design Precision Mechanical Components

#### Auto Business

Auto Electronics
Auto Tooling
Auto Decoration
Whole-vehicle Manufacture
Auto Engineering Research Institute
Testing Center
Auto Non-standard Products
Engine

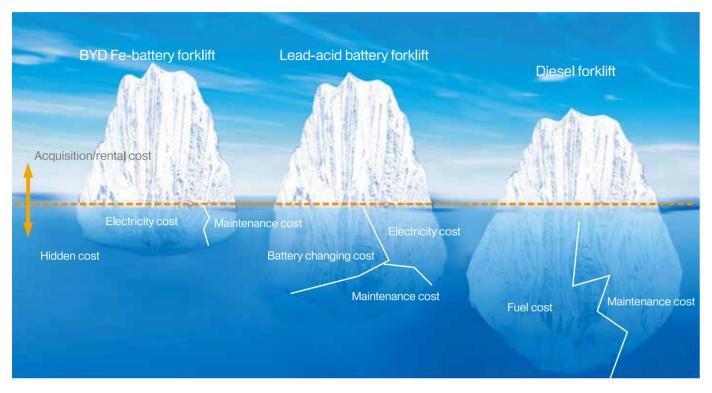
#### New Energy

Solar Power Station Electric Vehicle Energy Storage Station LED

#### THE BYD CONCEPT

#### THE LOWEST COST OF OPERATION

Owning and operating a forklift entails many costs in addition to the purchase price or the rental monthly fee. We call them hidden costs, and can be very high, depending on the power technology used, be that an internal combustion engine or a battery powered forklift.



#### OPERATING COSTS NOT PRESENT WHEN USING A BYD FORKLIFT

- Energy loss due to heating resulting from lead-acid battery charging
- Labour time to maintain the lead-acid battery (frequent level checking and refilling)
- Labour time to regularly replace the empty battery with a fully charged one
- Large amounts of expensive distilled water for lead-acid batteries

SAVINGS IN YEARLY OPERATING C		OPERATION VYEAR	TWO SHIFT OPERATION COST/YEAR		
CONCEPT	CRITERIA	LEAD-ACID	BYD FE BATTERY	LEAD-ACID	BYD FE BATTERY
ENERGY LOST AS HEATING	(1.7€/DAY)	400€	0€	800€	0€
BATTERY DAILY REPLACEMENT	(46 HR/YEAR)	690 €	0.€	1,380 €	0 €
BATTERY MAINTENANCE	(40 TIIV TEAR)	030 C	0.0	1,000 €	0.0
DISTILLED WATER REFILL	(250 L/YEAR)	100€	0€	200€	0€
YEARLY BATTERY AMORTIZATION	(OVER 5 YEARS)	500€	0€	1,000 €	0€
TOTAL EXTRA COSTS		1,690 €	0€	3,380 €	0€

<sup>\*</sup>Estimate based on average data. Final savings depend on factors such as battery size, electricity price, labour cost, heavy or light use

#### INVESTMENT IN NEW BATTERIES EVERY 4-6 YEARS IS UNNECESSARY WITH A BYD FORKLIFT

The BYD lithium iron phosphate battery has an extremely long life.

Compared with a life of 1.000-1.500 cycles of a typical lead-acid battery, the BYD battery will operate much longer.

After 8 years or 10,000 working hours, the BYD battery will retain more than 65%. 65% remaining capacity after 8 years or 10,000 working hours means that the battery will continue to operate for many more years.

10 Year Operation							
	BYD solution: 1 battery		Lead-acid solution: many batteries				
Single shift - light use	2000	=					
Single shift - heavy use Multi-shift	2000	=					

#### CHARGING THE BYD WAY

The BYD batteries are charged so fast that they never need to be removed from the forklift.

Depending on the chosen BYD charger, full charging takes 1.5 hours or even less.

Quick charging at lunch break will keep the BYD forklift ready for the rest of the shift. Of course side charging is so easy that the coffee breaks can be also used without reducing the life expectancy of the battery (no memory effect).

#### MORE PRODUCTIVITY, SAFETY, AND DRIVER SATISFACTION WITH A BYD FORKLIFT

With a BYD forklift, the driver's time utilization is optimized. Instead of spending time replacing the battery, more productive tasks can be performed.

Side charging is extremely user friendly and minimizes the risks of accident. A safer environment and happier drivers impact productivity in a positive way.





The BYD way

The old fashion way



Comfort equipment: full suspension seat, fingertip controls, triplex mast with dual free lift cylinders, and 4 way hydraulic valve.



3.5 Ton Counterbalance



2.5 Ton Counterbalance



2.0 Ton Counterbalance

### **BYD FORKLIFT RANGE-2015**

From 1.6T to 3.5T, the BYD forklift range covers the needs of the European rental and end-user markets. Every BYD forklift features as standard equipment the lithium iron phosphate battery, side charging, and ultra-fast charger, along with a high level of equipment.

Whether you choose the Comfort or the Basic version, your BYD forklift will always deliver the lowest cost of ownership.





Optional full-steel cabin with heater







2.0 Ton Pallet truck

### **COUNTERBALANCE FORKLIFT**

Ergonomically designed forklift to reduce driver fatigue and optimize productivity.

Ultra-fast charging and one battery for life result in lower operating costs.

Dual AC front drive motors and oil- immersed brakes, as well as a maintenance-free battery guarantee less maintenance costs.

User-friendly side-charging and comprehensive safety features maximize driver's satisfaction.



All BYD forklifts are equipped with side charging

#### **COMFORT EQUIPMENT**



Triplex mast with dual free lift cylinders



Full suspension seat with fingertip controls



#### **Automatic Speed Reduction when Cornering**

The speed of the truck will be automatically reduced when cornering to enhance lateral stability and reduce the risk of tipping over.



#### **Braking Assist System**

Braking Assist System allows the truck to stand still instead of rolling forward or backwards after releasing the brake on a slope.



#### **Overload Protection**

When load exceeds 10% of the rated load capacity, the lifting motor stops working for safety concern.



#### **Multifunction TFT Screen**

Displays travel speed, battery remaining capacity, clock, working hours and accumulated working hours;

Three speed modes setting.

	ECB16		ECB20		ECB25		ECB35	
	Basic	Comfort	Basic	Comfort	Basic	Comfort	Basic	Comfort
Load (kg)	1,600	1,600	2,000	2,000	2,500	2,500	3,500	3,500
Seat	Standard	Full suspension						
Controls	Levers	Minilevers	Levers	Minilevers	Levers	Minilevers	Levers	Minilevers

Battery								
230 AH 80 V	Standard	Standard	Standard	Standard	Standard	Standard		
460 AH 80 V			Optional	Optional	Optional	Optional	Standard	Standard
540 AH 80 V							Optional	Optional

Charger								
90 A	Standard							
180 A	Optional							

Heated Steel Cabin	Optional								
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### PALLET TRUCK



The ergonomically designed BYD pallet truck offers maximum versatility due to its standard foldable platform and foldable side support protection side bars. It can be used to speedily load and unload trucks as well as in reduced space warehouse operations.

Efficient top charging of the lithium iron phosphate battery allows for increased productivity and lower operating costs.

As with any other BYD forklift, the life time battery can be partially charged and never needs to be removed, thus increasing operator user friendliness and safety, while greatly reducing fatigue.



#### **Model description PTP20**

Load/capacity: 2000 kg

Battery: BYD Lithium Iron Phosphate

Charging: upside charging inlet

Fast charging/partial charging without memory effect









#### **Electric Power Steering**

Allows the operator to maneuver the pallet truck with great ease and reduces fatigue

#### Shock-absorbing and anti-skid platform

Delivers stable and comfortable standing for operator.

#### 180 degree rotatable steering handle

Enables forklift work in narrow places.

#### **Ergonomically designed**

Steering tiller handles with perfect touch match hands of different size.

#### Automatic shut down

When handle is released or in vertical and horizontal position.

#### The forklift will reverse immediately

Once the operator leans on the reverse protection button.

#### Easy to shut down

Optimal location of the emergency stop button



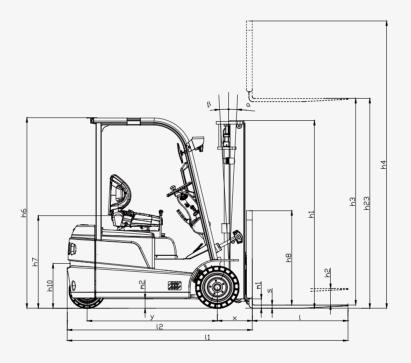


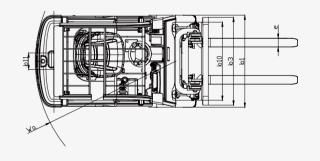
### **Counterbalance Forklift**

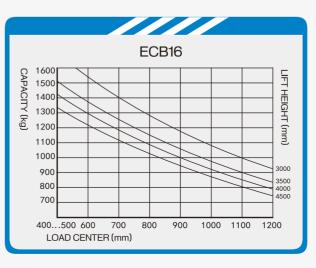
	1,1	Manufacturer			BYD
-		Model			ECB16
	1.2	Drive			
atic	1.3				Electric
Identification	1.4	Operator type		l.o.	Seat
eut	1.5	Rated capacity	Q	kg	1600
<u>ŏ</u>	1.6	Load center	С	mm	500
-	1.8	Load distance, center of drive axle to fork	X	mm	365
	1.9	Wheelbase	У	mm	1360
Weight	2.1	Service weight		kg	3100
Veig	2.2	Axle load, with load, front/rear		kg	4083/617
	2.3	Axle load, without load, front/rear		kg	1466/1634
Chassis	3.1	Tyres			SE
las	3.2	Tyre size, front		mm	18x7-8
Ö	3.3	Tyre size, rear		mm	15x4.5-8
Wheels,	3.5	Wheels, number front rear (X=driven wheels)			2x/2
] je	3.6	Track width, front	b10	mm	890
	3.7	Track width, rear	b11	mm	190
	4.1	Tilt of mast/fork carriage forward/backward	a/b	deg	5/7
	4.2	Height, mast lowered	h1	mm	2020
	4.3	Free lift	h2	mm	150
	4.4	Lift height	h3	mm	3000
	4.5	Height, mast extended	h4	mm	4050
	4.7	Height of overhead guard	h6	mm	2050
Suc	4.8	Seat height	h7	mm	985
) Sic	4.12	Coupling height	h10	mm	480
Basic Dimensions	4.19	Overall length	l1	mm	2935
	4.20	Length to face of forks	l2	mm	1935
Sic	4.21	Overall width	b1	mm	1050
Ba	4.22	Fork dimensions	s/e/l	mm	35/100/1000
	4.24	Fork carriage width	b3	mm	1000
	4.31	Ground clearance, with load, below mast	m1	mm	95
	4.32	Ground clearance, center of wheelbase	m2	mm	95
	4.33	Aisle width for pallets 1000x1200 crossways	Ast	mm	3460
	4.34	Aisle width for pallets 800x1200 lengthways	Ast	mm	3580
	4.35	Turning radius	Wa	mm	1570
'ú	5.1	Travel speed, with/without load		Km/h	16/16
Performance Data	5.2	Lift speed, with/without load		m/s	0.4/0.6
e G	5.3	Lowering speed, with/without load		m/s	0.58/0.47
lan	5.6	Max. drawbar pull, with/without load		KN	9.0/7.9
Jrm	5.8	Max. gradeability, with/without load		%	20/20
erf	5.9	Acceleration time, with/without load		S	4.5/4.0
<u> </u>	5.10	Service brake			Mech./Hydr.
	6.1	Drive motor rating S2 60 min.		kW	5.5x2
Motor	6.2	Lift motor rating at S3 15%		kW	12
Σ	6.4	Battery voltage, nominal capacity K5		V/Ah	80/200
	6.5	Battery weight		kg	760
	8.1	Type of drive control			AC
		Operating pressure for attachments		bar	160
ers	8.2	operating procedure for attachments			
Others	8.2 8.4	Sound level at the driver's ear		dB(A)	65

### ECB16

MASTTABLE							
Description	Lift height h3 (mm)	Free lift h2 (mm)	Height, mast lowered h1 (mm)	Height, mast extended h4 (mm)			
		ECB16	ECB16	ECB16			
	3000	150	2020	4050			
Two stage mast	3500	150	2260	4550			
1 We diago madi	4000	150	2510	5050			
	4500	150	2809	5550			
	3000	970	2020	4050			
Two stage FFL mast	3500	1270	2320	4550			
	4000	1520	2570	5050			
	4500	995	2045	5550			
Three stage FFL mast	5000	1195	2245	6050			
Throc stage in Emast	5500	1395	2445	6550			
	6000	1595	2645	7050			





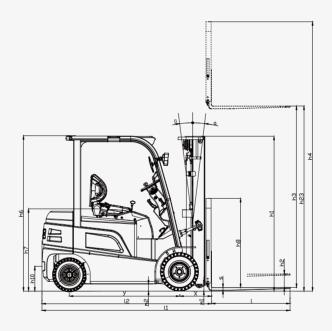


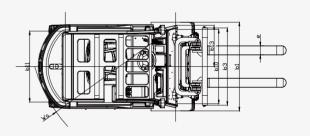
### **Counterbalance Forklift**

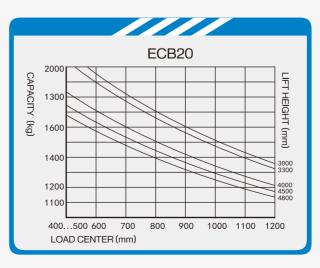
	4.4	Manufacture			DVD	DVD
-	1.1	Manufacturer			BYD	BYD
_	1.2	Model			ECB20	ECB25
if	1.3	Drive			Electric	Electric
Identification	1.4	Operator type		Lon	Seat	Seat
ent	1.5	Rated capacity	Q	kg	2000	2500
Ö	1.6	Load center	С	mm	500	500
-	1.8	Load distance, center of drive axle to fork	X	mm	425	425
	1.9	Wheelbase	У	mm	1505	1505
Weight	2.1	Service weight		kg	3600	4200
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	2.2	Axle load, with load, front/rear		kg	4901/699	5811/889
	2.3	Axle load, without load, front/rear		kg	1672/1928	1775/2425
Wheels, Chassis	3.1	Tyres			SE	SE
has	3.2	Tyre size, front		mm	21x8-9	21x8-9
O	3.3	Tyre size, rear		mm	18x7-8	18x7-8
<u>8</u>	3.5	Wheels, number front rear (X=driven wheels)	1.40		2x/2	2x/2
\ \ \	3.6	Track width, front	b10	mm	1000	1000
>	3.7	Track width, rear	b11	mm	955	955
-	4.1	Tilt of mast/fork carriage forward/backward	a/b	deg	5/8	5/8
-	4.2	Height, mast lowered	h1	mm	2035	2035
-	4.3	Free lift	h2	mm	150	150
_	4.4	Lift height	h3	mm	3000	3000
-	4.5	Height, mast extended	h4	mm	4040	4040
(n	4.7	Height of overhead guard	h6	mm	2195	2195
l si	4.8	Seat height	h7	mm	1100	1100
Insi	4.12	Coupling height	h10	mm	333	333
Basic Dimensions	4.19	Overall length	l1	mm	3375	3375
	4.20	Length to face of forks	12	mm	2305	2305
asic	4.21	Overall width	b1	mm	1195	1195
m	4.22	Fork dimensions	s/e/l	mm	40/120/1070	40/120/1070
_	4.24	Fork carriage width	b3	mm	1085	1085
	4.31	Ground clearance, with load, below mast	m1	mm	95	95
_	4.32	Ground clearance, center of wheelbase	m2	mm	105	105
_	4.33	Aisle width for pallets 1000x1200 crossways	Ast	mm	4250	4250
	4.34	Aisle width for pallets 800x1200 lengthways	Ast	mm	4045	4045
	4.35	Turning radius	Wa	mm	2020	2020
ata	5.1	Travel speed, with/without load		Km/h	20/20	20/20
Performance Data	5.2	Lift speed, with/without load		m/s	0.36/0.54	0.36/0.54
) 92	5.3	Lowering speed, with/without load		m/s	0.45/0.37	0.45/0.37
mar	5.6	Max. drawbar pull, with/without load		KN	12.7/9.0	12.5/9.5
for	5.8	Max. gradeability, with/without load		%	20/20	20/20
)er	5.9	Acceleration time, with/without load		S	4.9/4.3	4.9/4.3
	5.10	Service brake		134	Mech./Hydr.	Mech./Hydr.
_	6.1	Drive motor rating S2 60 min.		kW	5.5x2	5.5x2
Motor	6.2	Lift motor rating at S3 15%		kW	12	12
Σ	6.4	Battery voltage, nominal capacity K5		V/Ah	80/200	80/200
	6.5	Battery weight		kg	540	840
ဟ	8.1	Type of drive control			AC	AC
Others	8.2	Operating pressure for attachments		bar	160	186
₹	8.4	Sound level at the driver's ear		dB(A)	65	65
	8.5	Towing coupling, type			PIN	PIN

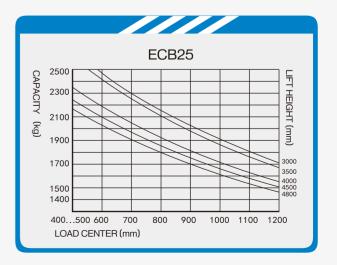
### ECB20/25

MASTTABLE							
Description	Lift height h3 (mm)	Free lift h2 (mm)	Height, mast lowered h1 (mm)	Height, mast extended h4 (mm)			
		ECB20/25	ECB20/25	ECB20/25			
	3000	150	2035	4040			
	3300	150	2185	4340			
Two stage mast	4000	150	2575	5040			
	4500	150	2830	5540			
	3000	985	2025	4040			
	3500	1285	2325	4540			
Two stage FFL mast	4000	1535	2575	5040			
	4500	1075	2115	5540			
	4800	1175	2215	5840			
Three stage FFL mast	5000	1435	2475	6540			
	6000	1635	2675	7040			







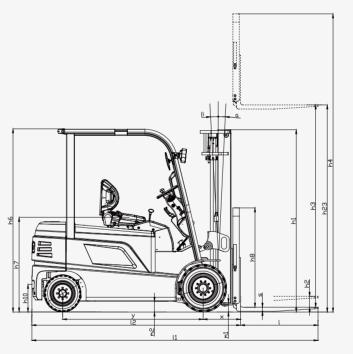


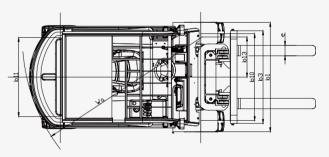
### **Counterbalance Forklift**

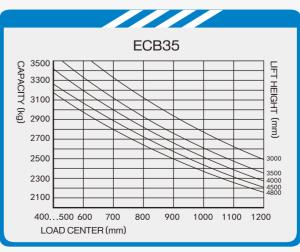
1.1 Manufacturer	DVD
	BYD
1.2 Model	ECB35
1.3   Drive	Electric
1.4 Operator type	Seat
1.5 Rated capacity Q kg	3500
$\frac{\Theta}{\Theta}$ 1.6Load centercmm	500
1.8 Load distance, center of drive axle to fork x mm	460
1.9 Wheelbase y mm	1725
2.1 Service weight kg	5440
2.1 Service weight kg  2.2 Axle load, with load, front/rear kg  2.3 Axle load, without load, front/rear kg	7722/1218
≥ 2.3 Axle load, without load, front/rear kg	2274/3166
<u>.∽</u> 3.1 Tyres	SE
.g         3.1         Tyres           3.2         Tyre size, front         mm           3.3         Tyre size, rear         mm	23x10-12
S 3.3 Tyre size, rear mm	200/50-10
<u>v</u> 3.5 Wheels, number front rear (X=driven wheels)	2x/2
3.5 Wheels, number front rear (X=driven wheels) 3.6 Track width, front b10 mm 3.7 Track width, rear b11 mm	1110
	955
4.1 Tilt of mast/fork carriage forward/backward a/b deg	5/8
4.2 Height, mast lowered h1 mm	2115
4.3 Free lift h2 mm	150
4.4 Lift height h3 mm	3000
4.5 Height, mast extended h4 mm	4120
4.7 Height of overhead guard h6 mm	2215
4.8 Seat height h7 mm	1140
4.8   Seat height	333
ع 4.19 Overall length I1 mm	3630
4.20 Length to face of forks I2 mm	2560
୍ର 4.21 Overall width b1 mm	1360
4.22 Fork dimensions s/e/I mm	50/125/1000
4.24 Fork carriage width b3 mm	1145
4.31 Ground clearance, with load, below mast m1 mm	110
4.32 Ground clearance, center of wheelbase m2 mm	130
4.33 Aisle width for pallets 1000x1200 crossways Ast mm	4410
4.34 Aisle width for pallets 800x1200 lengthways Ast mm	4260
4.35 Turning radius Wa mm	2210
g 5.1 Travel speed, with/without load Km/h	20/20
5.2 Lift speed, with/without load m/s	0.38/0.42
5.3 Lowering speed, with/without load m/s	0.55/0.45
5.6 Max. drawbar pull, with/without load KN	17.2/13.6
5.8 Max. gradeability, with/without load %	20/20
5.2 Lift speed, with/without load m/s  5.3 Lowering speed, with/without load m/s  5.6 Max. drawbar pull, with/without load KN  5.8 Max. gradeability, with/without load %  5.9 Acceleration time, with/without load s	4.9/4.3
5.10 Service brake	Mech./Hydr.
6.1 Drive motor rating S2 60 min. kW	10x2
6.2 Lift motor rating at S3 15% kW 6.4 Battery voltage, nominal capacity K5 V/Ah	22
6.4 Battery voltage, nominal capacity K5 V/Ah	80/400
6.5 Battery weight kg	1460
8.1 Type of drive control	AC
8.2 Operating pressure for attachments bar 8.4 Sound level at the driver's ear dB(A)	180
8.4 Sound level at the driver's ear dB(A)	65
8.5 Towing coupling, type	PIN

### ECB35

MASTTABLE							
Description	Lift height h3 (mm)	Free lift h2 (mm)	Height, mast lowered h1 (mm)	Height, mast extended h4 (mm)			
		ECB35	ECB35	ECB35			
	3000	150	2115	4120			
Two stage mast	3500	150	2315	4620			
1 Wo otago maot	4000	150	2615	5120			
	4500	150	2915	5620			
	3000	960	2080	4120			
Two stage FFL mast	3500	1260	2380	4620			
	4000	1510	2630	5120			
	4500	1080	2200	5620			
Three stage FFL mast	4800	1230	2350	6120			
Throo stage in Emast	5500	1500	2620	6620			
	6000	1750	2870	7120			







### **Electric Pallet Truck**

1.2   Model			M. C.			DVD.
1.3   Drive		1.1	Manufacturer			BYD
1.6	Identification					
1.6						
1.6   Load center					1 .	
1.8			<u> </u>		-	
1.9   Wheelbase						
2.1   Service weight including battery						
2.2	Weight			У		
1.5   1.5					-	
3.2   Wheel size, front   mm   230x70					<del>                                     </del>	
3.3   Wheel size, rear   mm   85x75						
3.7   Track width, rear   b11   mm   510						
3.7   Track width, rear   b11   mm   510						
100   100					Imm	
100   100				h10	mm	
No.   100						
A.8   Platform height						
Height of tiller in drive position, min/max						
4.15   Lowered height   Lowered height						
4.19   Overall length   11 mm   1730			<u> </u>			
4.20   Length to the face of forks   12 mm   605     4.21   Overall width   b1 mm   725     4.22   Fork dimensions   s/e/l mm   50/180/1120     4.25   Width over forks   b5 mm   590/650/560     4.32   Ground clearance, center of wheelbase   m2 mm   21     4.34   Aisle width for pallets 800X1200 lengthways   ast mm   2094     4.35   Turing radius   Wa mm   1650     5.1   Travel speed, with/without load   km/h   5.5/6     5.2   Lift speed, with/without load   m/s   0.05/0.06     5.3   Lowering speed, with/without load   m/s   0.070/0.065     5.8   Max. gradeability, with/without load   m/s   0.070/0.065     5.10   Service brake   electromagnetic     6.1   Drive motor rating S2 60 min   kW   1.5     6.2   Lift motor rating at S3 15%   kW   1.5     6.4   Battery voltage/nominal capacity K5   V/Ah   24/110     6.5   Battery weight   kg   60			<u> </u>	+		
4.25   Width over forks   b5   mm   590/650/560     4.26   Width over forks   b5   mm   590/650/560     4.32   Ground clearance, center of wheelbase   m2   mm   21     4.34   Aisle width for pallets 800X1200 lengthways   ast   mm   2094     4.35   Turing radius   Wa   mm   1650     5.1   Travel speed, with/without load   km/h   5.5/6     5.2   Lift speed, with/without load   m/s   0.05/0.06     5.3   Lowering speed, with/without load   m/s   0.070/0.065     5.8   Max. gradeability, with/without load   %   8/15     5.10   Service brake   electromagnetic     6.1   Drive motor rating \$2.60 min   kW   1.5     6.2   Lift motor rating at \$3.15%   kW   1.5     6.4   Battery voltage/nominal capacity K5   V/Ah   24/110     6.5   Battery weight   kg   60			<u> </u>			605
4.25   Width over forks   b5   mm   590/650/560     4.26   Width over forks   b5   mm   590/650/560     4.32   Ground clearance, center of wheelbase   m2   mm   21     4.34   Aisle width for pallets 800X1200 lengthways   ast   mm   2094     4.35   Turing radius   Wa   mm   1650     5.1   Travel speed, with/without load   km/h   5.5/6     5.2   Lift speed, with/without load   m/s   0.05/0.06     5.3   Lowering speed, with/without load   m/s   0.070/0.065     5.8   Max. gradeability, with/without load   %   8/15     5.10   Service brake   electromagnetic     6.1   Drive motor rating \$2.60 min   kW   1.5     6.2   Lift motor rating at \$3.15%   kW   1.5     6.4   Battery voltage/nominal capacity K5   V/Ah   24/110     6.5   Battery weight   kg   60		4.21		b1	mm	725
4.32   Ground clearance, center of wheelbase   m2   mm   21		4.22	Fork dimensions	s/e/l	mm	50/180/1120
4.34   Aisle width for pallets 800X1200 lengthways   ast   mm   2094     4.35   Turing radius   Wa   mm   1650     5.1   Travel speed, with/without load   km/h   5.5/6     5.2   Lift speed, with/without load   m/s   0.05/0.06     5.3   Lowering speed, with/without load   m/s   0.070/0.065     5.8   Max. gradeability, with/without load   %   8/15     5.10   Service brake   electromagnetic     6.1   Drive motor rating \$2.60 min   kW   1.5     6.2   Lift motor rating at \$3.15%   kW   1.5     6.4   Battery voltage/nominal capacity K5   V/Ah   24/110     6.5   Battery weight   kg   60		4.25	Width over forks	b5	mm	590/650/560
4.35   Turing radius   Wa   mm   1650		4.32	Ground clearance, center of wheelbase	m2	mm	21
Solution   Solution		4.34	Aisle width for pallets 800X1200 lengthways	ast	mm	2094
5.2   Lift speed, with/without load   m/s   0.05/0.06     5.3   Lowering speed, with/without load   m/s   0.070/0.065     5.8   Max. gradeability, with/without load   %   8/15     5.10   Service brake   electromagnetic     6.1   Drive motor rating S2 60 min   kW   1.5     6.2   Lift motor rating at S3 15%   kW   1.5     6.4   Battery voltage/nominal capacity K5   V/Ah   24/110     6.5   Battery weight   kg   60	erformance Data	4.35	Turing radius	Wa	mm	1650
5.10   Service brake     Service brake		5.1	Travel speed, with/without load		km/h	5.5/6
5.10   Service brake     Service brake		5.2	Lift speed, with/without load		m/s	0.05/0.06
5.10   Service brake     Service brake		5.3	Lowering speed, with/without load		m/s	0.070/0.065
5.10   Service brake     Service brake		5.8	Max. gradeability, with/without load		%	8/15
6.2 Lift motor rating at S3 15% kW 1.5  6.4 Battery voltage/nominal capacity K5 V/Ah 24/110  6.5 Battery weight kg 60		5.10	Service brake			electromagnetic
- 6.5 Battery weight kg 00		6.1	Drive motor rating S2 60 min		kW	1.5
- 6.5 Battery weight kg 00		6.2	Lift motor rating at S3 15%		kW	1.5
- 6.5 Battery weight kg 00	ectric	6.4	Battery voltage/nominal capacity K5		V/Ah	24/110
Others 8.1 Type of drive central AC	Ü	6.5	Battery weight		kg	60
Others 0.1 Type of drive control	Others	8.1	Type of drive control			AC

