Standard & Option

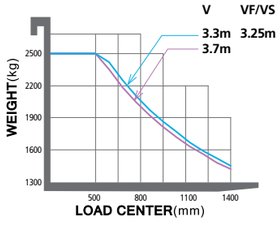
		Details	25B-X	30B-X	32B-X	35B-X
OPERATION ROOM	OHG	Overheadguard (height 2,175mm)	●	●	●	●
		Overheadguard + raincover	○	○	○	○
	Cabin	Partial cabin(top, front, rear, wiper)	○	○	○	○
		2 door cabin	○	○	○	○
	A/C	A/C, heater	○	○	○	○
	Seat	Non suspnsion seat	●	●	●	●
		Non suspnsion seat + Arm Rest + Orange Belt +OPSS	○	○	○	○
		Full Suspension Seat + Arm Rest + Orange Belt + OPSS	○	○	○	○
		Full Suspension Seat + Arm Rest + Orange Belt + OPSS + heat	○	○	○	○
		Full Suspension Seat + Arm Rest + Orange Belt + OPSS + backrest	○	○	○	○
		Full Suspension Seat + Arm Rest + Orange Belt + OPSS + heat & backrest	○	○	○	○
	Lever	Manual lever	●	●	●	●
		Fingertip lever	○	○	○	○
MAST	Mast	2 Stage standard mast(3,300mm)	●	●	●	●
		2 stage V/VF mast, 3 stage TF/TS mast	○	○	○	○
	Fork	1,050mm Fork	●	●	●	●
		900mm~2,300mm Fork	○	○	○	○
	Carriage	Carriage (1,102mm/Hook type)	●	●	●	●
	Attachment	Side Shift	○	○	○	○
		Fork positioner - Synchronized, Independent	○	○	○	○
BATTERY	Battery	Lead acid - 25B-X 600Ah, 30/32/35B-X 700Ah	○	○	○	○
		Lead acid - 25B-X 720Ah, 30/32/35B-X 840Ah	○	○	○	○
		Li-ion - 25B-X 500Ah, 30/32/35B-X 600Ah	○	○	○	○
	Charger	Lead acid - 3P 220/380V,50/60Hz, 440V,50/60Hz, 400/410/415V,50/60Hz	○	○	○	○
		Li-ion - 3P 400V,50/60Hz	○	○	○	○
	Trolley	Battery trolley	○	○	○	○

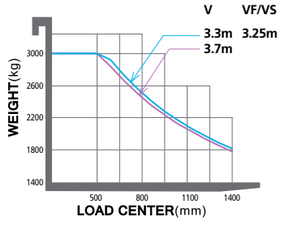
		Details	25B-X	30B-X	32B-X	35B-X
HYDARULIC	MCV & Hoses	3 spool MCV	●	●	●	●
		4 spool MCV	○	○	○	○
		Attached Piping for All MCVs & Masts	○	○	○	○
	Hyd oil	VG 68 oil for Tropical Area	○	○	○	○
		VG 15 oil for Cold Area(-25°C)	○	○	○	○
TIRE	Tires	Solid Tire	●	●	●	●
		Pneumatic tire, Non-marking tire	○	○	○	○
VISIBILITY	Lamp	Fron LED lamp	●	●	●	●
		Fron & Rear LED lamp	○	○	○	○
		Blue spot	○	○	○	○
	Mirror	Panorama mirror	●	●	●	●
		Side LH/RH & Panorama mirror	○	○	○	○
	Camera	Rear camera	○	○	○	○
		Front & rear camera	○	○	○	○
CONVENIENCE	-	Accumulator	○	○	○	○
		SASA steering system	●	●	●	●
		Wet disc brake system	●	●	●	●
		Knob-Switch with Direction & Horn	○	○	○	○
		Auto Tilt	○	○	○	○
		Load Sensor	○	○	○	○
		Quick coupler	○	○	○	○
		Hi-Mate(Fleet management system)	○	○	○	○
SAFETY	-	OPSS - Travel & Mast	●	●	●	●
		Seatbelt interlock	○	○	○	○
		Rear Horn	○	○	○	○
		Limited travel speed when driving with elevated load	○	○	○	○
		Extinguisher	○	○	○	○
		Speed limit	○	○	○	○

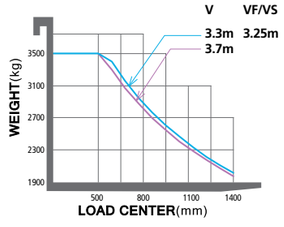
● STD / ○ OPT

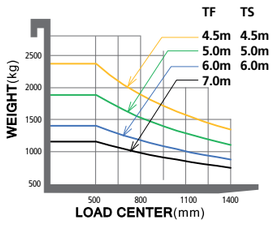
Load Capacity

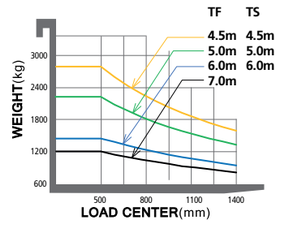
25B-X	30B-X	35B-X

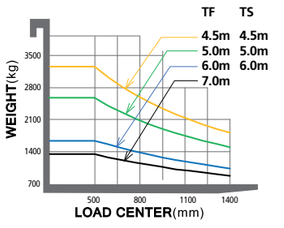












2022. AUG

HYUNDAI
MATERIAL HANDLING

25/30 32/35B-X

B-X Series Battery Forklift Truck

Game-changer of the electric construction equipment market. Hyundai's B-X series perfectly meets the needs of the site!

The 25/30/32/35B-X models have been released, incorporating the improvements required by people on the site and the latest market trends. The B-X series models are electric forklifts that perfectly meet the diverse needs of the customers! The new models deliver genuine customer satisfaction pursued by Hyundai Construction Equipment.

PRODUCT FEATURES
OVERVIEW

ALL YOU NEED IS, B-X

Release of the B-X series, an icon of innovation

- The B-X series has an HPS system that uses a SASA sensor and a hole sensor type on-demand MCV system

17% ↑

Energy efficiency

- The B-X series comes with an HPS system that is equipped with a low-noise single drive axle SASA sensor

4.6dB ↓

Noise

Outstanding Productivity

- Deep drop type vehicle structure-improved driving and work safety
- Achieves the best energy efficiency level in its vehicle class
- Low noise drive axle with wet disc brakes
- Low center of gravity
- LiFePo4 lithium-ion battery with excellent price-to-performance characteristics Option
- PLA AC motor and Curtis AC Controller
- 17% improvement in energy efficiency

Improved Convenience

- Ergonomically redesigned operator room
- A new cluster with superior visibility that can be manipulated easily.
- Lift lever with built-in forward/reverse switch and horn Option
- Fork Auto Tilt Option
- A/C & heater with improved cooling and heating performance Option
- Speed-sensitive steering handle
- Connector for recharging
- Noise in the driver's seat is reduced by 4.6 dB

Maximized Safety

- Speed limit can be set
- Seat belt interlock Option
- Speed limiting function when traveling with elevated load Option
- Operator Presence Sensing System(OPSS)
- Sudden lowering of the fork is prevented
- Antiroll back system prevents the machine from rolling back after coming to a stop on an incline
- Password setting system

Unrivaled Economic Value

- Best energy efficiency level in its vehicle class
- A battery replacement system that doesn't require a crane structure
- Uses a battery connector specialized for charging
- Curtis controller with high reliability and self-diagnosis capability
- Indicator that shows the battery residual level

ENVIROMENT FRIENDLY
GREAT PRODUCTIVITY, DURABILITY

Outstanding Productivity

Productivity is increased with optimized vehicle performance

The B-X series was designed with easy maintenance in mind so that the robust durability and excellent performance would remain unchanged over the years. It maximizes productivity by shortening the time spent on doing work other than the main task at logistics sites where many tasks have to be completed rather quickly.

Energy consumption levels that are quite revolutionary

Energy efficiency was improved by 17% compared to existing premium products through the optimization of vehicle performance to reflect market trends and the actual use environment, South Korea's first SASA sensor-type HPS system in which the output of the hydraulic motor varies in direct proportion to the turning speed of the steering handle and the amount of movement of the lift lever, and a Hall sensor type MCV value which is linked to the load. In addition, hydraulic noise at idle state and hydraulic noise during lifting operation were significantly reduced.

* Using a SASA sensor and a hole sensor type on-demand MCV system.

Energy efficiency **17%**

A dedicated drive axle for the single drive motor

A dedicated drive axle for the single drive motor was developed. The axle has low driving resistance and low noise generation and results in improved energy efficiency and the lowest level of driving noise in its class of vehicles. In addition, the vehicles are equipped with a wet disc brake that has a long lifespan and high reliability, resulting in high work efficiency and equipment utilization rate.

* Noise in the driver's seat is reduced by 4.6 dB

A deep drop type vehicle structure that has a low center of gravity

In a deep drop type structure, the battery is located between the front wheels and rear wheels so that it could act as a balancing element for the electric forklift. Due to the low center of gravity, a vehicle with this structure has comparatively good driving safety and elevated load operating work safety.

Optimization of the work environment and performance

While operating the forklift, the operator can easily set the travel speed and the mast operating speed independently using the buttons at the bottom of the cluster to match the working conditions and environment. This way the vehicle can be operated efficiently.

❶ P button : Travel speed (Rabbit-H-N-E-Turtle)
❷ S button : Operating speed (H-N-E)

Lithium-ion battery with excellent price-to-performance characteristics Option

The LiFePo4 lithium-ion battery can be rapid-charged in 2 hours and frequent charging produces excellent performance, making it ideal for daily two-shift working environments without the need to replace the battery. Compared to lead-acid batteries, the charging and discharging efficiency of a LiFePo4 lithium-ion battery is also 10% better, resulting in energy cost savings. The battery also reduces the financial burden of the buyer because the battery is more affordable than NCM lithium-ion batteries.

Curtis controller

The forklift uses a controller made by Curtis that has a controller cooling system with a large aluminum heat sink. This cooling system has excellent reliability and its safety and reliability have already been proven in the Korean market.

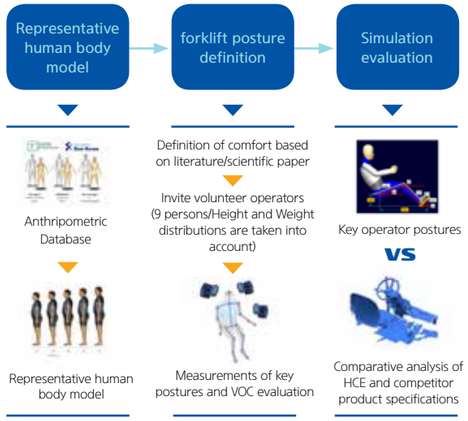
Improved Convenience

A working environment that meets the comfort needs of the operator

A satisfied vehicle operator translates to higher productivity. The upgraded operator room and the numerous functions developed with the operator's comforts in mind allow the operator to work more efficiently and comfortably.

An redesigned ergonomic operator room

The operator room has the seat at the center with the steering handle, floor plate, accelerator, brake pedal, hydraulic level, and monitor located in 3-dimensional space in such a way that they are at their most ideal positions and heights. It facilitates a more comfortable and efficient operation of the vehicle.



Multifunction digital cluster

The driver is able to check the operation conditions in real time on the multifunction digital cluster designed to ensure the visibility of major information during operation. In addition, various additional functions are embedded in the cluster for safe and convenient equipment management.

Knob on Switch & Horn Option

Forward/Reverse direction switching button and horn switch are mounted on the side of the lift lever to improve rapid traveling direction switching and response to emergency situation and reduce the driver's fatigue accordingly.

Auto tilting Option

During tilt operation, forks automatically stop at a position parallel to the ground. This function enhances safety and work efficiency when loading and unloading pallets on and from the rack at high elevation. (Error may take place on the surface applied with auto tile function when the engine rpm is kept high.)

Cabin & Air conditioning system Option

The cabin creates a pleasant operating environment, and boasts excellent airtightness due to its structure which has no windows on the roof for removing the battery.

❶ A/C

The air conditioner has four air outlets that prevent the blow of cold air from being directed to a particular part of the body and produce an excellent cold air diffusion effect in the cabin. It is easy to perform maintenance work because the outdoor and the indoor unit are integrated.

❷ Heater

The heaters supplies warm air separately to the operator's upper and lower body. A discharge port for removing moisture and frost has been added and the heating performance was improved 20% over the previous model.

Steer Handle

The diameter is reduced by 40mm to ensure operation convenience and reduce the driver's fatigue. Furthermore, an optimal turning function prevents jamming, heavy feeling, and noise resulting from sudden handling.

Maximized Safety

Minimized risks of accidents

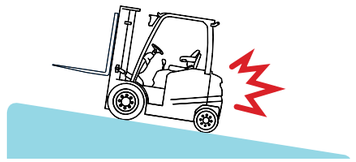
Above all else, the likelihood of accidents on the field is fundamentally eliminated through scientific vehicle body design that thinks of safety first and diverse and active safety specifications.

A safety system that eliminates the risks of accidents in advance

Function and system for preventing safety accidents in the event of an operator mistake or unforeseen situation block the event from developing into an accident. The burden of maintaining safety while performing difficult and complex jobs is removed from the shoulders of the operator.

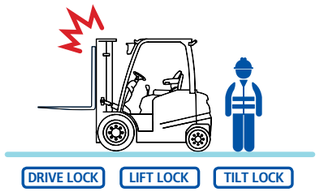
Anti roll back system

Anti roll-back system offers protection against the machine rolling back on a ramp in combination with exceptional ramp start capabilities.



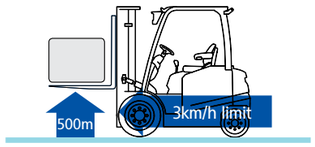
Operator presence sensing system(OPSS)

The OPSS restricts driving, lifting, and tilting in when the operator leaves the driver's seat in order to prevent safety accidents.



Limited travel speed when driving with elevated load Option

The travel speed is limited to 3km/h when the fork is lifted to a height of 500mm or it is above the free mast elevation height, in order to ensure the cargo doesn't fall off and the forklift doesn't get overturned.

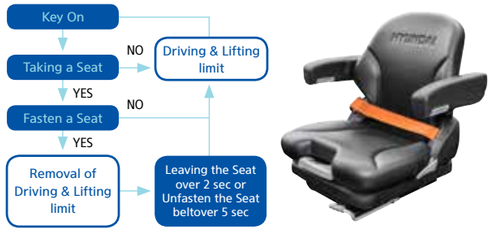


Speed limit

Maximum travel speed of the equipment may be set to meet the safety speed of the site through a multifunctional monitor, and safety accidents caused by overspeed may be prevented. Even when maximum speed is limited, gradeability and lifting performance are maintained at top levels.

Seatbelt interlock Option

The operation of forklift truck stops if the wearing sequence of seat belt is not observed when starting the truck or the seat belt is intentionally unfastened. This system protects the operator from safety accidents that may take place when the seat belt is not worn.



Rear Grip Bar & Horn Option

The rear steering wheel with horn embedded allows the driver to keep a stable, convenient posture during rear driving and operate the horn rapidly without changing the driving posture in case of an emergency situation.

LED lamps

LED lamps include headlamp, rear work lamp, and combination lamp, which provide higher luminance than halogen lamps. LED lamps with semi-permanent service life apply to ensure good view and visibility during night work.

Unrivaled Economic Value

Efficient maintenance with the best price to performance ratio

Game-changing energy consumption levels and equipment utilization rates were achieved by reflecting market trends and customer needs. As much as the functional benefits, users benefit from the excellent productivity made possible by the outstanding cost-effectiveness of the product.

Replacement of battery from the side

A deep drop type battery can be easily and quickly removed and installed (through the side of the forklift) using the fork of a 3.5 ton (or less) forklift or 1.5ton hand pallet truck with a dedicated pallet without the need for expensive equipment like a crane.

Convenient battery charging

When the battery has to be charged after using the vehicle, without having to separate the battery cable which is connected to the vehicle, directly connect the charger connector to the connector which is separately provided on the left side cover and the charging will begin.

Power system failure self-diagnosis function

The Curtis controller's malfunction self-diagnosis function enables the operator to check the malfunctions of the controller and key electrical/electronic equipment that run the motor. Self-diagnosis and equipment performance modifications can be performed using the cluster without the need for separate specialized equipment.

Controller follow-up care

The controller is a key functional component of the electric forklift which is located on the inside of the counterweight so that follow-up care could be performed conveniently. Opening the counterweight cover or side cover yields a large space for accessing the controller.

Power system failure self-diagnosis function

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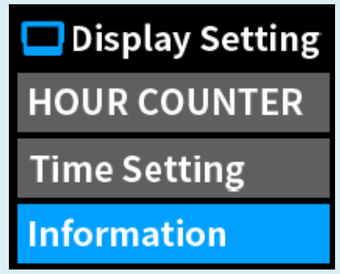


Waterproof and dustproof key switches

The lifespan and durability of the contact point were made to last long for the purpose of increasing the reliability of the electric/electronic system and an ignition key switch with a cap is used. Made by Honeywell, this product prevents moisture and dust from getting into the key switch.

Hydraulic control system with excellent reliability

With the use of a state-of-the-art hydraulic control valve that controls the hydraulic motor so that its output is in proportion with the movement of the spool detected by a non-contact Hall sensor, the vehicle has high reliability. This is a system that is semi-permanent when compared to the micro switch control method which requires frequent follow-up care.

HiMATE

Hi-MATE, a solution for field control based on data

Data collected at the sensors and modules mounted on equipment during the operation of forklift truck at the operation control system of Hyundai Industrial Vehicle is provided to the mobile device or computer of the customer in real time through the server of Hyundai Construction Equipment. Such visual data can be used for establishing a control plan for safety control in fields, productivity improvement, and cost saving.

Equipment operation management

* Real-time monitoring and follow-up management of individual vehicles, drivers, equipment on-site, and operation information

- Key-on time, travel hours, work hours, and traveling position

Equipment status management

* Supplying information of the forklift truck linked with operation hours, establishing a follow-up management plan

- Indicating fuel remainder, failure information
- Indicating consumable exchange timing, service timing

Safe traveling control

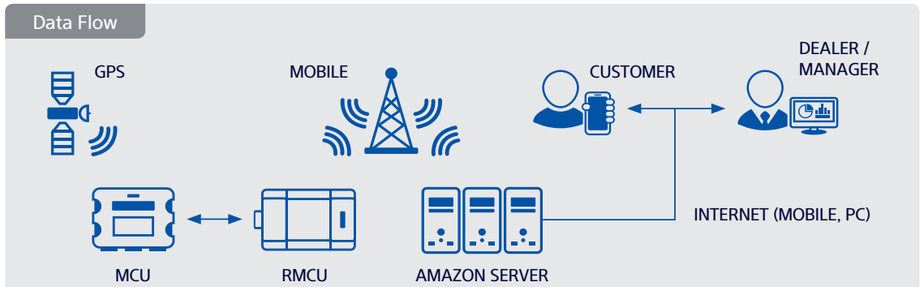
* Checking and follow-up management of safety accident caused by collision between the field system and forklift truck during operation

- Count of collision, size of impact

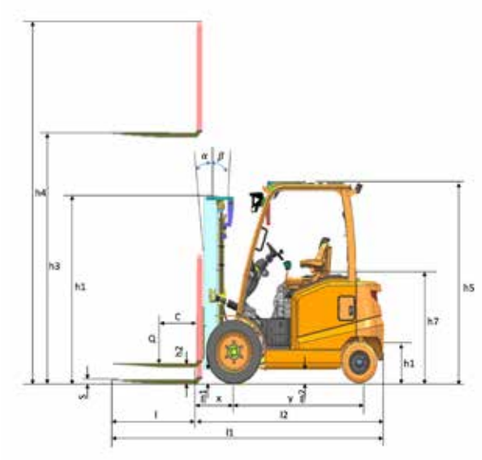
Human resource management

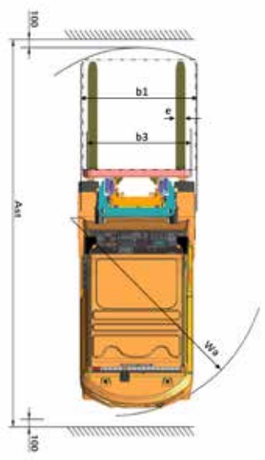
* Checking and follow-up management such as matching between self-diagnosis and equipment conditions before operation

- Driver authorization, self-diagnosis of equipment conditions



Dimension





Specification

Identification						
	Manufacturer		Hyundai			
	Manufacturer's type designation		25B-X	30B-X	32B-X	35B-X
1.1	Drive: electric (battery or mains), diesel, petrol, fuel gas, manual		Electric-48V	Electric-48V	Electric-48V	Electric-48V
1.2	Type of operation : hand, pedestrian, standing, seated, order-picker		seated	seated	seated	seated
1.3	Load capacity / rated load	Q kg	2,500	3,000	3,200	3,500
1.4	Load center distance	c mm	500	500	500	500
1.5	Load distance, center of front axle to fork	x mm	468	468	468	468
1.6	Wheelbase	y mm	1,572	1,642	1,642	1,642
Weights						
2.1	Service weight	kg	4,700	5,139	5,339	5,587
2.2	Axle loading, loaded front/rear	kg	6,323/878	7,185/954	7,511/1028	7,948/1139
2.3	Axle loading, unloaded front/rear	kg	2,284/2417	2,417/2723	2,425/2914	2,385/3202
Wheels, Chassis						
3.1	Tires:solid rubber(V), superelastic(SE), pneumatic(P), polyurethane(PE)		P, SE	P, SE	P, SE	P, SE
3.2	Tires size, front (Φ x width)		28x9-15	28x9-15	28x9-15	28x9-15
3.3	Tires size, rear (Φ x width)		18x7-8	18x7-8	18x7-8	18x7-8
3.5	Wheels, number front rear (x=driven wheels)		2x/2	2x/2	2x/2	2x/2
3.6	Track width, front	b10 (mm)	1,005	1,005	1,005	1,005
3.7	Track width, rear	b11 (mm)	980	980	980	980
Basic Dimensions						
4.1	Mast/fork carriage tilt forward / backward	degrees	6/10	6/10	6/10	6/10
4.2	Lowered mast height	h1 (mm)	2,182	2,182	2,252	2,252
4.3	Free lift	h2 (mm)	155	155	155	155
4.4	Lift height	h3 (mm)	3,300	3,300	3,300	3,300
4.5	Extended mast height	h4 (mm)	4,485	4,485	4,485	4,485
4.7	Overhead load guard (cab) height	h5 (mm)	2,175	2,175	2,175	2,175
4.8	Seat height / standing height	h7 (mm)	1,200	1,200	1,200	1,200
4.12	Coupling height	h10 (mm)	465	465	465	465
4.19	Overall length	l1 (mm)	3,399	3,466	3,510	3,555
4.20	Length to face of forks	l2 (mm)	2,349	2,416	2,460	2,505
4.21	Overall width	b1 (mm)	1,229	1,229	1,229	1,229
4.22	Fork dimensions	l x e x s (mm)	45x100x1050	45x122x1050	45x122x1050	45x122x1050
4.23	Fork carriage ISO 2328, class / type A,B		II/A	III/A	III/A	III/A
4.24	Fork-carriage width	b3 (mm)	1,102	1,102	1,102	1,102
4.31	Ground clearance, loaded, under mast	m1 (mm)	135	135	135	135
4.32	Ground clearance, centre of wheelbase	m2 (mm)	143	143	143	143
4.34.1	Aisle width for pallets 1000x1200 crossways	Ast (mm)	3,742	3,813	3,852	3,892
4.34.2	Aisle width for pallets 800x1200 lengthways	Ast (mm)	3,942	4,013	4,052	4,092
4.35	Turning radius	Wa (mm)	2,074	2,145	2,184	2,224
Performance Data						
5.1	Travel speed, loaded / unloaded(48V)	km/h	16/17	16/17	16/17	16/17
5.2	Lift speed, loaded / unloaded(48V)	mm/s	360/600	320/600	300/500	270/500
5.3	Lowering speed, loaded /unloaded	mm/s	600/600	600/600	600/600	600/600
5.6	Max. drawbar pull, loaded / unloaded S2 5min	N	12,754/13,803	11,627/12,592	11,543/12,547	1,1315/12,378
5.8	Max. gradient performance, loaded / unloaded S2 5min	%	18.5	15.5	14.5	12.5
5.10	Service brake		hydr.	hydr.	hydr.	hydr.
Engine						
6.1	Dirve motor rating S2 60min (48V)	kW	14.0	14.0	14.0	14.0
6.2	Lift motor rating at S3 20%(S2 10min) (48V)	kW	15.0	15.0	15.0	15.0
6.4	Battery voltage, nominal capacity K5 (Option)	V/Ah	48/600(721)	48/700(841)	48/700(841)	48/700(841)
6.5	Battery weight	kg(lb)	1,000(1,100)	1,150(1,250)	1,150(1,250)	1,150(1,250)
6.6	Energy consumption acc. to VDI cycle	KWh/h	7.3	8.4	8.9	9.6
Other Details						
8.1	Type of drive control		AC	AC	AC	AC
8.2	Operating pressure for attachments	bar	190/130	190/130	190/130	190/130
8.4	Sound level at driver's ear according to DIN 12053	dB(A)	70.5	70.5	70.5	70.5

25B-X

Mast Type		Maximum Fork Height	Overall Height (Lowered)	Free Lift Height			Mast Tilt		Load capacity without Sideshift	Load capacity with Sideshift	Truck Weight (Unloaded)
				With Load Backrest	Without Load Backrest	Without Load Backrest (3/4-SPOOL)	Fwd	Bwd	500mm LC	500mm LC	
		mm	mm	mm	mm	mm	deg	deg	kg	kg	kg
2 Stage Limited Free Lift	V300	3,005	2,032	155	155	155	6	10	2,500	2,500	4,535
	V330	3,305	2,182	155	155	155	6	10	2,500	2,500	4,555
	V350	3,505	2,282	155	155	155	6	10	2,500	2,500	4,572
	V370	3,705	2,432	155	155	155	6	10	2,500	2,500	4,594
	V400	4,005	2,582	155	155	155	6	10	2,500	2,320	4,624
	V450	4,505	2,882	155	155	155	6	6	2,390	2,210	4,698
2 Stage Full Free Lift	VF/VS325	3,276	2,182	995	1,527	1,527	6	6	2,500	2,500	4,589
3 Stage Full Free Lift	TF430	4,305	2,032	845	1,377	1,281	6	6	2,410	2,230	4,688
	TF450	4,505	2,132	945	1,477	1,431	6	6	2,370	2,200	4,710
	TF470	4,705	2,182	995	1,527	1,431	6	6	2,330	2,160	4,723
	TF500	5,005	2,282	1,095	1,627	1,531	6	6	1,880	1,730	4,745
	TF550	5,505	2,482	1,295	1,827	1,781	6	6	1,550	1,420	4,785
	TF600	6,005	2,682	1,495	2,027	1,981	6	6	1,400	1,280	4,849
	TF650	6,505	2,882	1,695	2,044	1,904	3	3	1,350	1,230	4,896
	TF700	7,005	3,082	1,895	2,244	2,104	3	3	1,150	1,050	4,934
	TS430	4,305	2,032	845	1,377	1,146	6	6	2,410	2,230	4,688
	TS450	4,505	2,132	945	1,477	1,346	6	6	2,370	2,200	4,710
	TS470	4,705	2,182	995	1,527	1,296	6	6	2,330	2,160	4,723
	TS500	5,005	2,282	1,095	1,627	1,396	6	6	1,880	1,730	4,745
	TS550	5,505	2,482	1,295	1,827	1,696	6	6	1,550	1,420	4,785
	TS600	6,005	2,682	1,495	2,027	1,896	6	6	1,400	1,280	4,849
4 Stage Full Free Lift	QF610	6,115	2,167	980	1,512	1,412	3	3	1,650	1,520	5,092
	QF700	7,015	2,467	1,280	1,812	1,712	3	3	1,100	1,000	5,182

30B-X

Mast Type		Maximum Fork Height	Overall Height (Lowered)	Free Lift Height			Mast Tilt		Load capacity without Sideshift	Load capacity with Sideshift	Truck Weight (Unloaded)
				With Load Backrest	Without Load Backrest	Without Load Backrest (3/4-SPOOL)	Fwd	Bwd	500mm LC	500mm LC	
		mm	mm	mm	mm	mm	deg	deg	kg	kg	kg
2 Stage Limited Free Lift	V300	3,005	2,032	155	155	155	6	10	3,000	3,000	4,972
	V330	3,305	2,182	155	155	155	6	10	3,000	3,000	4,992
	V350	3,505	2,282	155	155	155	6	10	3,000	3,000	5,010
	V370	3,705	2,432	155	155	155	6	10	3,000	2,770	5,033
	V400	4,005	2,582	155	155	155	6	10	3,000	2,770	5,064
	V450	4,505	2,882	155	155	155	6	6	2,870	2,650	5,139
2 Stage Full Free Lift	VF/VS325	3,276	2,182	995	1,527	1,527	6	6	3,000	3,000	5,072
3 Stage Full Free Lift	TF430	4,305	2,032	845	1,377	1,281	6	6	2,880	2,650	5,193
	TF450	4,505	2,132	945	1,477	1,431	6	6	2,830	2,610	5,219
	TF470	4,705	2,182	995	1,527	1,431	6	6	2,790	2,570	5,233
	TF500	5,005	2,282	1,095	1,627	1,531	6	6	2,250	2,060	5,255
	TF550	5,505	2,482	1,295	1,827	1,781	6	6	1,750	1,590	5,299
	TF600	6,005	2,682	1,495	2,027	1,981	6	6	1,450	1,310	5,369
	TF650	6,505	2,882	1,695	2,044	1,904	3	3	1,400	1,270	5,420
	TF700	7,005	3,082	1,895	2,244	2,104	3	3	1,200	1,080	5,464
	TS430	4,305	2,032	845	1,377	1,146	6	6	2,880	2,650	5,193
	TS450	4,505	2,132	945	1,477	1,346	6	6	2,830	2,610	5,219
	TS470	4,705	2,182	995	1,527	1,296	6	6	2,790	2,570	5,233
	TS500	5,005	2,282	1,095	1,627	1,396	6	6	2,250	2,060	5,255
	TS550	5,505	2,482	1,295	1,827	1,696	6	6	1,750	1,590	5,299
	TS600	6,005	2,682	1,495	2,027	1,896	6	6	1,450	1,310	5,369
4 Stage Full Free Lift	QF610	6,115	2,167	980	1,512	1,412	3	3	1,700	1,550	5,556
	QF700	7,015	2,467	1,280	1,812	1,712	3	3	1,200	1,080	5,646

32B-X

Mast Type		Maximum Fork Height	Overall Height (Lowered)	Free Lift Height			Mast Tilt		Load capacity without Sideshift	Load capacity with Sideshift	Truck Weight (Unloaded)
				With Load Backrest	Without Load Backrest	Without Load Backrest (3/4-SPOOL)	Fwd	Bwd	500mm LC	500mm LC	
		mm	mm	mm	mm	mm	deg	deg	kg	kg	kg
2 Stage Limited Free Lift	V300	3,005	2,102	155	155	155	6	10	3,200	3,200	5,168
	V330	3,305	2,252	155	155	155	6	10	3,200	3,200	5,191
	V350	3,505	2,352	155	155	155	6	10	3,200	3,200	5,207
	V370	3,705	2,502	155	155	155	6	10	3,200	2,950	5,231
	V400	4,005	2,652	155	155	155	6	10	3,180	2,940	5,263
	V450	4,505	2,952	155	155	155	6	6	3,060	2,820	5,340
2 Stage Full Free Lift	VF/VS325	3,276	2,252	1,080	1,534	1,534	6	6	3,200	3,200	5,286
3 Stage Full Free Lift	TF430	4,305	2,102	930	1,314	1,314	6	6	3,050	2,810	5,436
	TF450	4,505	2,202	1,030	1,414	1,414	6	6	3,000	2,770	5,458
	TF470	4,705	2,252	1,080	1,464	1,464	6	6	2,950	2,720	5,471
	TF500	5,005	2,352	1,180	1,564	1,564	6	6	2,500	2,300	5,494
	TF550	5,505	2,552	1,380	1,764	1,764	6	6	2,200	2,020	5,538
	TF600	6,005	2,752	1,580	1,964	1,964	6	6	1,500	1,360	5,610
	TF650	6,505	2,952	1,780	2,164	2,061	3	3	1,450	1,310	5,659
	TF700	7,005	3,152	1,980	2,364	2,261	3	3	1,250	1,130	5,699
	TS430	4,305	2,102	930	1,314	1,314	6	6	3,050	2,810	5,436
	TS450	4,505	2,202	1,030	1,414	1,414	6	6	3,000	2,770	5,458
	TS470	4,705	2,252	1,080	1,464	1,464	6	6	2,950	2,720	5,471
	TS500	5,005	2,352	1,180	1,564	1,564	6	6	2,500	2,300	5,494
	TS550	5,505	2,552	1,380	1,764	1,764	6	6	2,200	2,020	5,538
	TS600	6,005	2,752	1,580	1,964	1,964	6	6	1,500	1,360	5,610
4 Stage Full Free Lift	QF610	6,115	2,217	1,045	1,449	1,449	3	3	1,800	1,640	5,736
	QF700	7,015	2,517	1,345	1,749	1,749	3	3	1,300	1,170	5,827

35B-X

Mast Type		Maximum Fork Height	Overall Height (Lowered)	Free Lift Height			Mast Tilt		Load capacity without Sideshift	Load capacity with Sideshift	Truck Weight (Unloaded)
				With Load Backrest	Without Load Backrest	Without Load Backrest (3/4-SPOOL)	Fwd	Bwd	500mm LC	500mm LC	
		mm	mm	mm	mm	mm	deg	deg	kg	kg	kg
2 Stage Limited Free Lift	V300	3,005	2,102	155	155	155	6	10	3,500	3,500	5,416
	V330	3,305	2,252	155	155	155	6	10	3,500	3,500	5,439
	V350	3,505	2,352	155	155	155	6	10	3,500	3,500	5,455
	V370	3,705	2,502	155	155	155	6	10	3,500	3,500	5,479
	V400	4,005	2,652	155	155	155	6	10	3,500	3,240	5,511
	V450	4,505	2,952	155	155	155	6	6	3,340	3,090	5,588
2 Stage Full Free Lift	VF/VS325	3,276	2,252	1,080	1,534	1,534	6	6	3,500	3,500	5,534
3 Stage Full Free Lift	TF430	4,305	2,102	930	1,314	1,314	6	6	3,330	3,080	5,684
	TF450	4,505	2,202	1,030	1,414	1,414	6	6	3,280	3,030	5,706
	TF470	4,705	2,252	1,080	1,464	1,464	6	6	3,230	2,980	5,719
	TF500	5,005	2,352	1,180	1,564	1,564	6	6	2,650	2,440	5,742
	TF550	5,505	2,552	1,380	1,764	1,764	6	6	2,380	2,190	5,786
	TF600	6,005	2,752	1,580	1,964	1,964	6	6	1,700	1,550	5,858
	TF650	6,505	2,952	1,780	2,164	2,061	3	3	1,590	1,440	5,907
	TF700	7,005	3,152	1,980	2,364	2,261	3	3	1,350	1,220	5,947
	TS430	4,305	2,102	930	1,314	1,314	6	6	3,330	3,080	5,684
	TS450	4,505	2,202	1,030	1,414	1,414	6	6	3,280	3,030	5,706
	TS470	4,705	2,252	1,080	1,464	1,464	6	6	3,230	2,980	5,719
	TS500	5,005	2,352	1,180	1,564	1,564	6	6	2,650	2,440	5,742
	TS550	5,505	2,552	1,380	1,764	1,764	6	6	2,380	2,190	5,786
	TS600	6,005	2,752	1,580	1,964	1,964	6	6	1,700	1,550	5,858
4 Stage Full Free Lift	QF610	6,115	2,217	1,045	1,449	1,449	3	3	1,920	1,760	5,984
	QF700	7,015	2,517	1,345	1,749	1,749	3	3	1,410	1,280	6,075