

60/70/80/90B-X/80B-XL

B-X SERIES HIGH VOLTAGE BATTERY FORKLIFT TRUCKS



Load Capacity
6000 - 9000 kg

Drive Motor Rating
348 V • 75 kW

Lift Height
3025 - 7650 mm

HIGH VOLTAGE. HIGH PERFORMANCE. HYUNDAI.

The Next Generation B-X Series Electric Forklifts

With a 348V high-voltage system, the new 6 to 9 tonne Next Generation B-X electric counterbalance forklifts from Hyundai are leading the way in high performance with zero emission technology. Designed and tested to work indoors and outdoors in extreme conditions and with less maintenance costs, these machines are ready to replace heavy-duty diesel models. With minimal noise and vibration plus fast charging, these forklifts will deliver a full day of productive working.



Heavy-duty high-voltage performance

Powered by a high-voltage, 348V Li-ion battery and advanced motor technology, the B-X electric forklifts deliver powerful, engine-like performance with fast travel and lift speeds.



All-weather ready

The machines are CE certified, with IP67-rated components ensuring safe, reliable operation, even in rain and extreme cold conditions.



Zero emissions, zero compromise

With zero emissions, low noise and low vibration, they are ideal for both indoor and outdoor use.



Long runtime, fast charging

Up to 11 hours of operation on a single charge.
(*Based on the 93kWh 70B-X model.)



Built to last

A proven design concept based on our diesel machines with the same chassis, front axle, mast and cabin, plus new high-quality components to ensure long-term reliability.



Smart Fleet Management

Hi MATE enables real-time forklift fleet monitoring and remote management to improve safety, efficiency and cost control.



Made by Hyundai

Developed and built in South Korea with premium quality and innovation, from the brand you can trust.



ENERGY & PERFORMANCE

Experience powerful performance and outstanding productivity with our Next Generation high-voltage system. Built for demanding applications, it delivers high power and sustainability, with no compromises.



Key benefits of the high-voltage system:



Higher efficiency

Less current is needed to deliver the same power. This reduces energy losses (I^2R) and increases overall system efficiency.



Lower heat generation

A reduced current means less heat in cables, connectors and motor controllers, extending component life.



More power for tough jobs

High-voltage batteries provide higher peak power – perfect for intensive operations.



Faster charging

Supports rapid charging technologies, minimising downtime.



High Performance. Electric Advantage.

Enjoy consistent, high-level performance from start to finish – no drop in power until it's time to recharge.

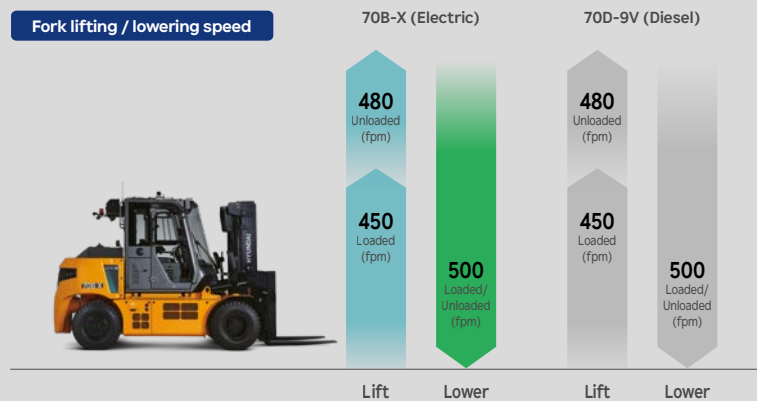
► Proven design

Built on a robust diesel-based chassis for maximum durability and stability. They also share the same exterior, cabin and mast design as our diesel forklifts, making them an easy transition for operators.

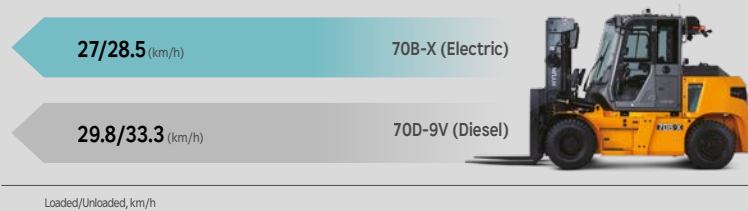


Performance equal to diesel powered models

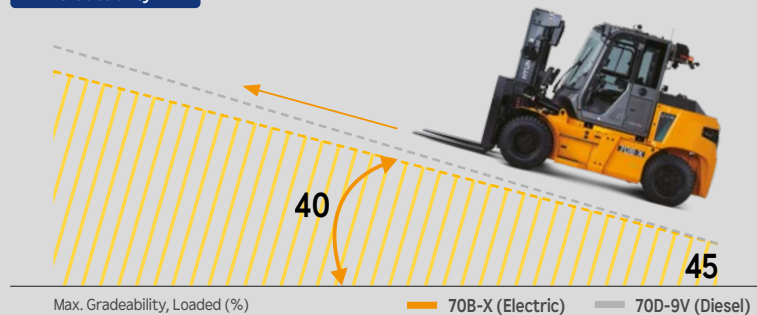
Fork lifting / lowering speed



Travel speed



Gradeability





**2 HOURS
CHARGE**
**11 HOURS
OPERATION**



Fast charging, long operating hours

Experience a smart charging solution, designed to boost productivity and stability.

Charging & battery runtime information

With a charging time of approximately 2 hours*, the system enables up to 11 hours* of operation, minimising downtime and maximising on-site efficiency.

Charging options

Choose from three charger capacities – 20 kW, 40 kW and 120 kW (31A, 62A or 186A – 400 V power grid required) – designed to suit your facility's power availability, operational hours and working environment.

* Performance data based on 93 kWh battery configuration in combination with a 40kW charger.

* Actual runtime and charging time may vary depending on working conditions and application.

Advanced Li-ion battery (LFP)

Equipped with a high-quality Li-ion battery, featuring LFP (Li-ion Iron Phosphate) cells for extended runtime and superior performance in all conditions – right up until it's ready to recharge.

- No daily / weekly maintenance
- Fast charging
- Opportunity charging

Battery Thermal Management System (BTMS)

The advanced BTMS actively cools the battery, inverters and motors and power distribution unit by a watercooling system. This ensures consistent battery performance, even during heavy-duty operations and protects key components, enhancing overall reliability and extending lifetime.

Safe indoor & outdoor charging

The IP54-rated charger is protected against dust and water, making it suitable for both indoor and outdoor installations.

Multiple built-in safety features ensure stable and secure charging in all environments.

Battery heating system

In addition to the BTMS cooling system, a heating system is integrated to actively regulate battery temperature, ensuring consistent performance in extremely low ambient conditions.

Battery fire-retardant system

Continuous monitoring of battery status prevents overheating, overcurrent and over-discharge.

In the event of abnormal conditions, the system automatically adjusts charging and discharging. In case smoke, carbon monoxide or too high temperature is detected, an automatic fire suppression system will be activated.

Ready for all weather conditions

The Next Generation B-X Series is engineered to perform reliably in outdoor environments, including rain, snow and extreme cold.

Proven through rigorous testing

All B-X models have passed a water spray test, flooding test and cold climate endurance test.

Built to last

Main components are sealed for protection against dust and water ingress (IP67) to ensure long-term durability and performance in harsh environments.

Water and dust protection ratings:

IP67 Rating

- Battery Pack
- Drive Motor
- Hydraulic Motors
- Power Distribution Unit
- Battery Thermal Management System (BTMS)

IP69K Rating

- Vehicle Control Unit (VCU)



**IP67
IP69K
RATING**

CONVENIENCE & COMFORT

The Next Generation B-X forklifts are designed to be quieter, smoother and smarter, making them better for greater operator comfort and productivity.

Driver convenience features for easier operation



Anti roll back

Even on slopes, the system gently controls speed to prevent the forklift from rolling back, helping ensure safe stopping and restarting.



Drive mode selection

Operators can choose the most suitable driving mode depending on their preferences and working environment.

H (High)

N (Normal)

E (Eco)



Mast damping **OPTION**

Reduces vertical mast vibrations, improving load stability and operator comfort, especially on uneven surfaces.



Tighter turning radius

With a turning radius 80mm tighter than comparable diesel models (based on 80D-9V), the B-X Series delivers improved agility in confined environments.



Smart LCD cluster display **A**

The high-visibility LCD cluster keeps the operator informed in real time, displaying battery status, machine temperature, error and warning alerts, driving mode selection, travel speed, weight of lifted load and upcoming maintenance interval warning.

With intuitive controls, operators can easily adjust settings to match the task and working environment.



Low noise, low vibration

Thanks to its electric powertrain and noise-reducing design, the B-X Series reduces cabin noise by up to 14 dB compared to diesel models, minimising operator fatigue and enhancing workplace safety.



Constant optimal climate control **B**

The standard full automatic climate control provides consistent heating and cooling performance, regardless of engine RPM or coolant temperature. This ensures all-day comfort in any weather.

Accessory bar & storage space

A dedicated mounting bar next to the driver's seat and an integrated storage compartment beneath the seat contribute to a personalised, organised, and efficient working environment.

Electronic Hydraulic Power Steering (EHPS) system **C**

Delivers precise steering and smooth handling, offering excellent maneuverability in tight spaces, reducing driver fatigue.



Extended fender **OPTION**

Protects the load and work environment from debris and contaminants kicked up from the front tyres.

SAFETY WITHOUT COMPROMISE

Safety is non-negotiable. The B-X Series integrates advanced technologies to ensure a secure and reliable working environment for both operators and those around them.

► Pedestrian detection system **OPTION**

This smart safety feature is designed to help prevent collisions.

When the onboard camera detects a person near the forklift, the surrounding area is highlighted in yellow on the monitor and a buzzer sounds, providing a clear and immediate visual and audio warning to the operator.



► Load sensing system **OPTION**

A real-time weight display appears on the operator cluster during lifting.

An alert is triggered when the rated load capacity is exceeded, helping prevent overloading and enhancing operational safety.



► Blue Spot & Red Zone lighting **OPTION**

The Blue Spot projects a bright blue beam ahead of or behind the forklift to alert pedestrians of approaching equipment. The Red Zone creates a visual safety boundary using red floor lighting, helping to keep people at a safe distance and reduce accident risk in busy work areas.





TECHNOLOGY
TO KEEP YOU
SAFE



Auto hold / auto parking

Auto hold: Engages parking brake automatically when brake pedal is held for over 4 seconds.

Auto parking: Engages parking brake when the operator leaves the seat.

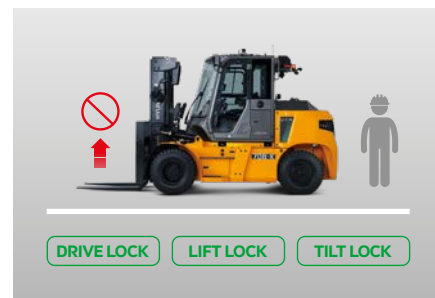


Charging port protection cover

A dedicated protective cover shields the charging port from external impact, dust and moisture, ensuring long-term durability and safe charging.

Maximum travel speed limiter

This feature limits the top speed to meet site-specific safety requirements and reduce risks in high-traffic or indoor areas.



Operator presence sensing system

If the operator leaves the seat, the system automatically disables all vehicle movement, including driving and mast operation – even if the controls are engaged. This provides critical protection against unintended operation.

MAINTENANCE MADE EASY

Smart design choices ensure simple servicing, lower maintenance costs and reliable long-term operation, keeping your business moving with less downtime.

► Superior maintenance accessibility

The cabin tilts up to 52 degrees, offering excellent access for maintenance tasks.

Key components – including the powertrain, hydraulic and electrical systems – are easily reachable, ensuring outstanding serviceability.

From routine inspections to parts replacement, maintenance is fast, efficient and helps minimise downtime.



► Lower total cost of ownership

Enjoy less servicing and downtime, plus reduced operating costs throughout the life of your B-X Series forklift.

Save approximately 70% annually on fuel and maintenance costs compared to diesel models. Estimated savings after 10 years: Approx. €73,000.





High-voltage system cut-off switch

For safe maintenance procedures, the Manual Service Disconnect (MSD) plug removal ensures complete isolation of the high-voltage system, providing an added layer of technician safety.

High-voltage cable safety design

All high-voltage cables are clearly marked in bright orange for easy identification. Enhanced insulation and protective shielding ensure safe handling and operation, even in demanding environments.



Peace of mind warranty

A durable design backed by a generous warranty package ensures long-term value:

- 3 years / 4,000 key hours full truck warranty
- 5 years / 10,000 key hours battery warranty
- 85% remaining battery capacity guaranteed after 5 years



A data-driven solution for field management

With the all-new Hi MATE, you can manage forklift fleets at your logistics site. Visualised data supports the development of management plans for improving safety, boosting productivity and reducing on-site costs.



Fleet-level equipment operation management

- Real-time monitoring and post-operation management support by fleet, vehicle and operator
- Provides operation efficiency, utilisation trends, route tracking, fault alerts and consumable status



Wireless configuration and software update support

- Remote configuration of key operational features and wireless software update capability



Enhanced smartphone App

- Fleet and vehicle-level monitoring, remote settings and work instructions
- Compatible with Android and iOS devices



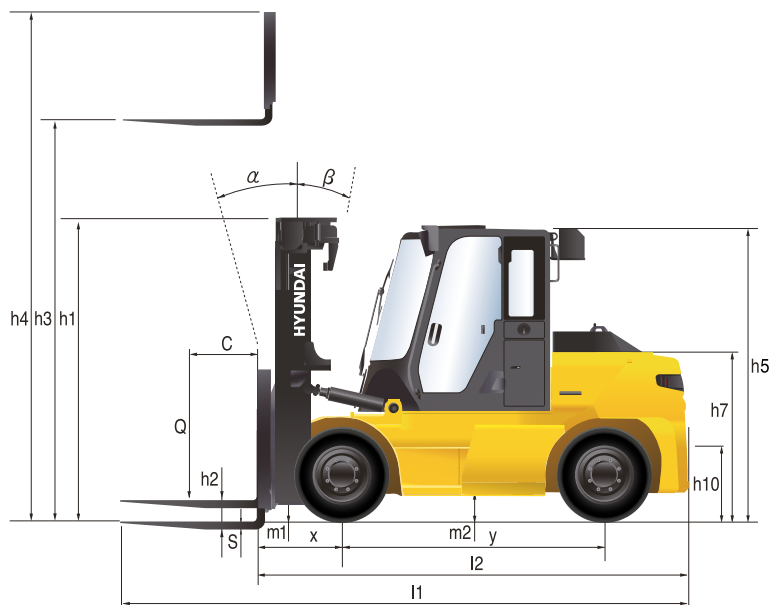
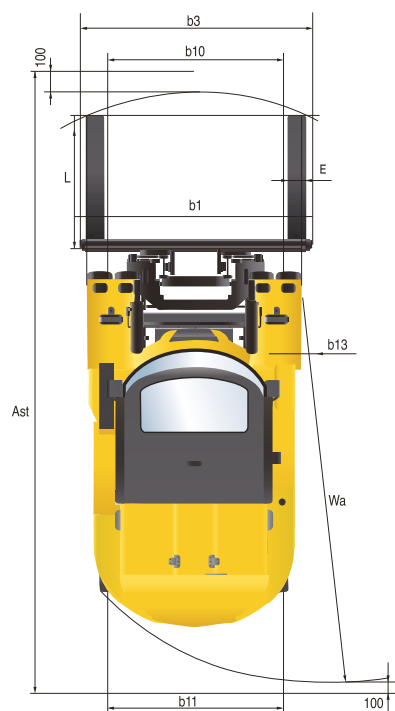
External communication & authentication device compatibility

- Compatible with third-party communication terminals and operator authentication devices
- Supports basic features such as operation data management

60/70/80/90B-X/80B-XL SPECIFICATIONS

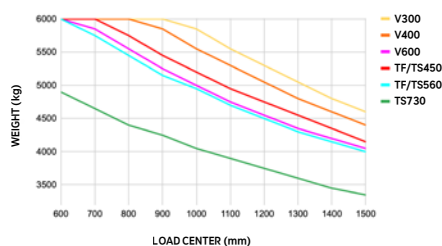
IDENTIFICATION							
	Frontwheel type (single / double)		Double	Double	Double	Double	Double
1.1	Manufacturer (abbreviation)		Hyundai				
1.2	Manufacturer's type designation		60B-X	70B-X	80B-X	80B-XL	90B-X
1.3	Drive : electric (battery or mains), diesel, petrol, LPG		Electric				
1.4	Operator type : hand, pedestrian, standing, seated, order-picker		Seated				
1.5 (Q)	Rated capacity / rated load	kg	6000	7000	8000	8000	9000
1.6 (c)	Load center distance	mm	600	600	600	900	600
1.8 (x)	Load distance, center of drive axle to fork	mm	610	610	690	720	720
1.10 (y)	Wheelbase	mm	2300	2300	2500	2500	2500
WEIGHTS							
2.1	Service weight	kg	9704	10214	11703	13452	13100
2.2	Axle loading, loaded front / rear	kg	13773 / 1931	15186 / 2028	17430 / 2273	18932 / 2520	19487 / 2613
2.3	Axle loading, unloaded front / rear	kg	4617 / 5087	4503 / 5711	5302 / 6401	5748 / 7704	5735 / 7365
WHEELS, CHASSIS							
3.1	Tyres : superelastic, pneumatic, polyurethane		P	P	P	P	P
3.2	Tyre size, front	mm	8.25-15 - 14PR	8.25-15 - 14PR	9.00-20 - 14PR	9.00-20 - 14PR	9.00-20 - 14PR
3.3	Tyre size, rear	mm	8.25-15 - 14PR	8.25-15 - 14PR	9.00-20 - 14PR	9.00-20 - 16PR	9.00-20 - 16PR
3.5	Wheels, number front / rear (x = driven wheels)		4x / 2	4x / 2	4x / 2	4x / 2	4x / 2
3.6 (b10)	Tread, front	mm	1578	1578	1632	1693	1693
3.7 (b11)	Tread, rear	mm	1602	1602	1700	1700	1700
DIMENSIONS							
4.1 (a / B)	Tilt of mast / fork carriage forward / backward	degree	15 / 10	15 / 10	15 / 10	15 / 10	15 / 10
4.2 (h1)	Height, mast lowered	mm	2515	2515	2675	2850	2850
4.3 (h2)	Free lift	mm	140	140	145	150	150
4.4 (h3)	Lift height	mm	3030	3030	3040	3025	3025
4.5 (h4)	Height, mast extended	mm	4320	4320	4375	4360	4360
4.7 (h5)	Height of overhead guard (cabin)	mm	2565 (2595)	2565 (2595)	2640 (2670)	2645 (2675)	2645 (2675)
4.8 (h7)	Seat height relating to SIP / stand height	mm	1536	1536	1646	1646	1646
4.19 (l1)	Overall length	mm	4875	4875	4990	5075	5075
4.20 (l2)	Length to face of forks	mm	3675	3675	3790	3875	3875
4.21 (b1)	Overall width	mm	2088	2088	2194	2265	2265
4.22 (l x e x s)	Fork dimensions ISO DIN ISO 2331	mm	1200 x 150 x 65	1200 x 150 x 65	1200 x 180 x 70	1200 x 180 x 75	1200 x 180 x 75
4.23	Fork carriage ISO 2328, class / type A, B		4 A	4 A	4 A	5 A	5 A
4.24 (b12)	Fork carriage width	mm	2068	2068	2268	2265	2265
4.31 (m1)	Ground clearance below mast loaded	mm	195	195	250	250	250
4.32 (m2)	Ground clearance centre of wheelbase	mm	224	224	306	306	306
4.34.1 (Ast)	Aisle width for pallets 1000 x 1200 crossways (l x w)	mm	5190	5190	5510	5510	5510
4.34.2 (Ast)	Aisle width for pallets 800 x 1200 crossways (w x l)	mm	5390	5390	5710	5710	5710
4.35 (Wa)	Turning radius	mm	3380	3380	3620	3620	3620
PERFORMANCE DATA							
5.1	Travel speed loaded / unloaded	km/h	27 / 28.5	27 / 28.5	28 / 33	28 / 33	28 / 33
5.2	Lift speed loaded / unloaded	mm/s	450 / 480	450 / 480	450 / 480	450 / 480	450 / 480
5.3	Lowering speed loaded / unloaded	mm/s	500 / 500	500 / 500	500 / 500	500 / 500	500 / 500
5.6	Max. drawbar pull loaded / unloaded	N	69972 /	69580 /	70952 /	59456 /	64288 /
5.8	Max. gradeability loaded / unloaded	%	47 /	40 /	30 /	26 /	26 /
E-MOTOR							
6.1	Drive motor rating S2 60 min	kW	75	75	75	75	75
6.2	Lift motor rating at S3 15%	kW	33x2	33x2	33x2	33x2	33x2
6.4	Battery voltage, nominal capacity K5	V/Ah	3478 / 200	3478 / 200	3478 / 200	3478 / 200	3478 / 200
6.5	Battery weight	kg	730	730	730	730	730
DRIVE MECHANISM							
8.1	Type of drive control		AC	AC	AC	AC	AC
8.11	Service brake		Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
ADDITIONAL DATA							
10.1	Operating pressure system / attachments	bar	210 / 140	210 / 140	210 / 140	250 / 140	250 / 140
10.2	Oil volume for attachments	l/min	110	110	110	110	110
10.7	Sound level at the driver's ear according to DIN 12053	dB(A)	63.5	63.5	63.5	63.5	63.5
10.8	Towing coupling, type DIN 15170		Pin	Pin	Pin	Pin	Pin
AIR CONDITIONING							
	Refrigerant type		R-134a	R-134a	R-134a	R-134a	R-134a
	Refrigerant quantity	kg	0.55	0.55	0.55	0.55	0.55
	Global warming potential (GWP) - equivalent to CO2 in metric tons	metric tons	1430	1430	1430	1430	1430
BATTERY COOLING BTMS							
	Refrigerant type		R-134a	R-134a	R-134a	R-134a	R-134a
	Refrigerant quantity	kg	0.285	0.285	0.285	0.285	0.285
	Global warming potential (GWP) - equivalent to CO2 in metric tons	metric tons	1430	1430	1430	1430	1430

60/70/80/90B-X/80B-XL DIMENSIONS

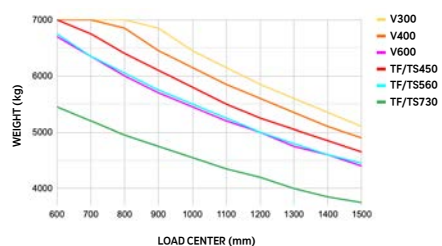


60/70/80/90B-X/80B-XL LOAD CAPACITY

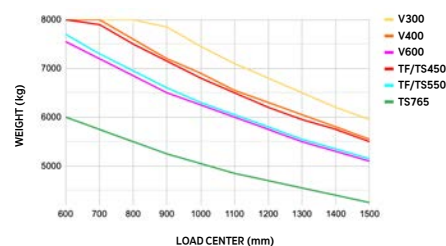
LOAD CURVE (60B-X)



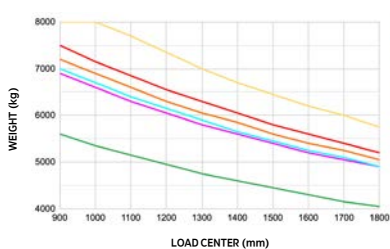
LOAD CURVE (70B-X)



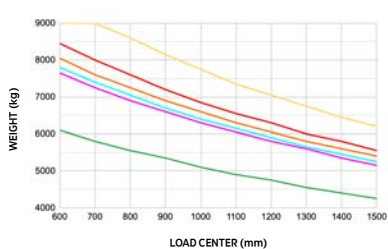
LOAD CURVE (80B-X)



LOAD CURVE (80B-XL)



LOAD CURVE (90B-X)



60/70/80/90B-X/80B-XL

MAST SPECIFICATION

60B-X

Mast type		Maximum fork height h3	Maximum mast height h4		Overall height (lowered) h1	Free lift height h2		Tilt angle fwd / bwd	Load capacity @ LC 600mm		Truck weight (unloaded) standard configuration
			With backrest	Without backrest		With backrest	Without backrest		Without side shift	With side shift	
		mm	mm	mm	mm	mm	mm	(°)	kg	kg	kg
V-Duplex - no free lift	V300	3030	4270	4161	2515	140	140	15 / 10	6000	5550	9704
	V330	3330	4570	4461	2665			15 / 10	6000	5550	9752
	V350	3530	4770	4661	2765			15 / 10	6000	5550	9784
	V370	3730	4970	4861	2865			15 / 10	6000	5550	9815
	V400	4030	5270	5161	3015			15 / 10	6000	5550	9871
	V450	4530	5770	5661	3315			15 / 10	6000	5550	10099
	V500	5030	6270	6161	3565			15 / 10	6000	5550	10179
	V550	5530	6770	6661	3815			15 / 10	6000	5550	10258
	V600	6030	7270	7161	4065			15 / 10	6000	5550	10337
TF-Triplex - free lift - 1 central cylinder	TF450	4560	5850	5810	2565	1235	1320	15 / 10	6000	5550	10295
	TF500	5060	6350	6310	2765	1435	1520	15 / 10	6000	5550	10387
	TF560	5600	6890	6850	2965	1635	1720	15 / 10	6000	5550	10498
	TF600	6060	7350	7310	3165	1835	1920	15 / 10	5800	5350	10585
TS-Triplex - free lift - 2 central cylinders	TS450	4560	5850	5810	2565	1235	1320	15 / 10	6000	5550	10295
	TS500	5060	6350	6310	2765	1435	1520	15 / 10	6000	5550	10387
	TS560	5600	6890	6850	2965	1635	1720	15 / 10	6000	5550	10498
	TS600	6060	7350	7310	3165	1835	1920	15 / 10	5800	5350	10585
	TS730	7330	8620	8580	3570	2375	2460	15 / 6	4900	4500	11026

70B-X

Mast type		Maximum fork height h3	Maximum mast height h4		Overall height (lowered) h1	Free lift height h2		Tilt angle fwd / bwd	Load capacity @ LC 600mm		Truck weight (unloaded) standard configuration
			With backrest	Without backrest		With backrest	Without backrest		Without side shift	With side shift	
		mm	mm	mm	mm	mm	mm	(°)	kg	kg	kg
V-Duplex - no free lift	V300	3030	4270	4161	2515	140	140	15 / 10	7000	6450	10182
	V330	3330	4570	4461	2665			15 / 10	7000	6450	10230
	V350	3530	4770	4661	2765			15 / 10	7000	6450	10261
	V370	3730	4970	4861	2865			15 / 10	7000	6450	10293
	V400	4030	5270	5161	3015			15 / 10	7000	6450	10349
	V450	4530	5770	5661	3315			15 / 10	7000	6450	10577
	V500	5030	6270	6161	3565			15 / 10	7000	6450	10657
	V550	5530	6770	6661	3815			15 / 10	7000	6450	10736
	V600	6030	7270	7161	4065			15 / 10	6700	6200	10815
TF-Triplex - free lift - 1 central cylinder	TF450	4560	5850	5810	2565	1235	1320	15 / 10	7000	6450	10772
	TF500	5060	6350	6310	2765	1435	1520	15 / 10	6950	6400	10864
	TF560	5600	6890	6850	2965	1635	1720	15 / 10	6750	6250	10975
	TF600	6060	7350	7310	3165	1835	1920	15 / 10	6400	5900	11063
TS-Triplex - free lift - 2 central cylinders	TS450	4560	5850	5810	2565	1235	1320	15 / 10	7000	6450	10772
	TS500	5060	6350	6310	2765	1435	1520	15 / 10	6950	6400	10864
	TS560	5600	6890	6850	2965	1635	1720	15 / 10	6750	6250	10975
	TS600	6060	7350	7310	3165	1835	1920	15 / 10	6400	5900	11063
	TS730	7330	8620	8580	3570	2375	2460	15 / 6	5450	5000	11503

60/70/80/90B-X/80B-XL

MAST SPECIFICATION

80B-X

Mast type		Maximum fork height h3	Maximum mast height h4		Overall height (lowered) h1	Free lift height h2		Tilt angle fwd / bwd	Load capacity @ LC 600mm		Truck weight (unloaded) standard configuration
			With backrest	Without backrest		With backrest	Without backrest		Without side shift	With side shift	
		mm	mm	mm	mm	mm	mm	(°)	kg	kg	kg
V-Duplex - no free lift	V300	3040	4375	4373	2675	150	150	15 / 10	8000	7350	11733
	V330	3340	4675	4673	2825			15 / 10	8000	7350	11782
	V350	3540	4875	4873	2925			15 / 10	8000	7350	11815
	V370	3740	5075	5073	3025			15 / 10	8000	7350	11847
	V400	4040	5375	5373	3175			15 / 10	8000	7350	11896
	V450	4540	5875	5873	3475			15 / 10	8000	7350	12111
	V500	5040	6375	6373	3725			15 / 10	8000	7350	12193
	V550	5540	6875	6873	3975			15 / 10	7950	7350	12274
	V600	6040	7375	7373	4225			15 / 10	7550	6900	12356
TF-Triplex - free lift - 1 central cylinder	TF450	4570	5905	5927	2750	1418	1440	15 / 10	8000	7350	12381
	TF500	5070	6405	6427	2950	1618	1640	15 / 10	8000	7350	12484
	TF550	5570	6905	6927	3150	1818	1840	15 / 10	7700	7050	12586
	TF600	6070	7405	7427	3350	2018	2040	15 / 10	7250	6650	12715
TS-Triplex - free lift - 2 central cylinders	TS450	4570	5905	5927	2750	1418	1440	15 / 10	8000	7350	12381
	TS500	5070	6405	6427	2950	1618	1640	15 / 10	8000	7350	12484
	TS550	5570	6905	6927	3150	1818	1840	15 / 10	7700	7050	12586
	TS600	6070	7405	7427	3350	2018	2040	15 / 10	7250	6650	12715
	TS765	7650	8985	9007	3970	2638	2660	15 / 6	6000	5500	13028

80B-XL

Mast type		Maximum fork height h3	Maximum mast height h4	Overall height (lowered) h1	Free lift height h2	Tilt angle fwd / bwd	Load capacity @ LC 900mm		Truck weight (unloaded) standard configuration
			With backrest		With backrest		Without side shift	With side shift	
		mm	mm	mm	mm	(°)	kg	kg	kg
V-Duplex - no free lift	V300	3025	4360	2850	150	15 / 10	8000	7550	13453
	V350	3525	4860	3100		15 / 10	8000	7550	13514
	V400	4025	5360	3400		15 / 10	8000	7550	13587
	V450	4525	5860	3650		15 / 10	8000	7550	13764
	V500	5025	6360	3900		15 / 10	7800	7350	13825
	V550	5525	6860	4200		15 / 10	7200	6750	13899
	V600	6025	7360	4450		15 / 10	6900	6450	14045
TS-Triplex - free lift - 2 central cylinders	TS450	4535	5870	2995	1665	15 / 10	7500	7000	14312
	TS500	5035	6370	3195	1865	15 / 10	7250	6800	14424
	TS550	5535	6870	3395	2065	15 / 10	7000	6550	14635
	TS600	6035	7370	3595	2265	15 / 10	6600	6150	14845
	TS750	7535	8870	4195	2865	15 / 6	5600	5200	15201

90B-X

Mast type		Maximum fork height h3	Maximum mast height h4	Overall height (lowered) h1	Free lift height h2	Tilt angle fwd / bwd	Load capacity @ LC 600mm		Truck weight (unloaded) standard configuration
			With backrest		With backrest		Without side shift	With side shift	
		mm	mm	mm	mm	(°)	kg	kg	kg
V-Duplex - no free lift	V300	3025	4360	2850	150	15 / 10	9000	8400	13101
	V350	3525	4860	3100		15 / 10	9000	8400	13162
	V400	4025	5360	3400		15 / 10	9000	8400	13235
	V450	4525	5860	3650		15 / 10	9000	8400	13412
	V500	5025	6360	3900		15 / 10	8750	8150	13473
	V550	5525	6860	4200		15 / 10	8050	7500	13547
	V600	6025	7360	4450		15 / 10	7650	7100	13693
TS-Triplex - free lift - 2 central cylinders	TS450	4535	5870	2995	1665	15 / 10	8450	7850	13960
	TS500	5035	6370	3195	1865	15 / 10	8150	7550	14072
	TS550	5535	6870	3395	2065	15 / 10	7800	7200	14283
	TS600	6035	7370	3595	2265	15 / 10	7300	6750	14493
	TS750	7535	8870	4195	2865	15 / 6	6100	5600	14849

60/70/80/90B-X/80B-XL

STANDARD/OPTIONAL EQUIPMENT

DESCRIPTION			60B-X	70B-X	80B-X	90B-X	80B-XL
MAST & ATTACHMENTS	MAST	V - duplex - no free lift - (3025 ~ 6040 mm)	□	□	□	□	□
		TF - triplex - free lift - 1 central cylinder (4560 ~ 6070 mm)	□	□	□	-	-
		TS - triplex - free lift - 2 side cylinders (4535 ~ 7330 mm)	□	□	□	□	□
		TS - triplex - free lift - 2 side cylinders (7535 ~ 7650 mm)	-	-	□	□	□
		Attachment piping for 4, 5 spool	□	□	□	□	□
	CARRIAGE WIDTH	Narrow (1990 hook / 1954 mm shaft)	●	●	-	-	-
		Wide (2190 hook / 2080 mm shaft)	□	□	-	-	-
	CARRIAGE CLASS	Fork carriage FEM IV	●	●	●	-	-
		Fork carriage FEM V	-	-	□	-	-
	LOAD BACKREST	Load backrest	□	□	□	□	□
		Hook-on side shift	□	□	-	-	-
	ATTACHMENT	Hook-on side shift + forklifter (simultaneous)	□	□	-	-	-
		Shaft(pin)-version Integral side shift and/or forklifter	□	□	□	□	□
		Synchronous side shift + forklifter	□	□	□	□	□
		Individual side shift + forklifter	□	□	□	□	□
	FORKS	Forks length: 1200 ~ 2400 mm	□	□	□	□	□
HYDRAULICS	MCV	4 spool control valve	●	●	●	●	●
		5 spool control valve	□	□	□	□	□
	LEVER	Manual	●	●	●	●	●
		Fingertip	□	□	□	□	□
	OIL	Standard hydraulic oil VG46	●	●	●	●	●
		Hydraulic oil VG15 - VG68	□	□	□	□	□
OPERATION	CABIN	Single door cabin	●	●	●	●	●
		Top wiper	□	□	□	□	□
		Overhead guard	□	□	□	□	□
	CLIMATE	Air conditioning & heater	●	●	●	●	●
		Grammer - vinyl	●	●	●	●	●
	SEAT	Grammer - fabric	□	□	□	□	□
		Armrest L, R	□	□	□	□	□
		Heated	□	□	□	□	□
		High backrest	□	□	□	□	□
		Airsuspension	□	□	□	□	□
		Swivel seat	□	□	□	□	□
VISIBILITY	MIRROR	Panoramic mirror + outside mirrors L + R	●	●	●	●	●
		Heated mirrors	□	□	□	□	□
	LIGHTS	Front + rear worklight (LED)	●	●	●	●	●
		Tail lights	●	●	●	●	●
		Orange beacon light	●	●	●	●	●
		Hazard lights	●	●	●	●	●
		Bluespot	□	□	□	□	□
		Redzone	□	□	□	□	□
SAFETY		Backup alarm	●	●	●	●	●
		Camera in separate monitor (rear / front / 360)	□	□	□	□	□
		Pedestrian detection alarm	□	□	□	□	□
CONVENIENCE		Battery master switch	●	●	●	●	●
		Accessory mounting bar	●	●	●	●	●
		USB & 12V charger plug	●	●	●	●	●
		Auto tilt	□	□	□	□	□
		Mast damping	□	□	□	□	□
		Hi MATE basic	□	□	□	□	□
		Hi MATE premium (add-on)	□	□	□	□	□
		Load indicator	□	□	□	□	□
		Bluetooth radio	□	□	□	□	□
BATTERY		70kW - 348V / 200Ah	●	●	●	●	●
		93kW - 348V / 268Ah	□	□	□	□	□
		20kW / 348V - 3ph / 400V / 31A	□	□	□	□	□
CHARGER		40kW / 348V - 3ph / 400V / 62A	□	□	□	□	□
		120kW / 348V - 3ph / 400V / 186A	□	□	□	□	□
		Multicharger (4 battery chargers in 1)	□	□	□	□	□
		Canopy for charger	□	□	□	□	□
			□	□	□	□	□
TYRES		Pneumatic	●	●	●	●	●
		Solid	□	□	□	□	□
		Non-marking	□	□	□	□	□
		Front pneumatic + rear solid	□	□	□	□	□
		Front solid + rear pneumatic	□	□	□	□	□
		Heavy duty rim	□	□	□	●	●
OTHERS		Air compressor	□	□	□	□	□
		Front tyre fender	□	□	□	□	□
		Fire extinguisher	□	□	□	□	□

● Standard □ Optional - Not available



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