

40/45/50/55B-X

B-X SERIES HIGH VOLTAGE BATTERY FORKLIFT TRUCKS



Load Capacity
4000 - 5500 kg

Drive Motor Rating
309 - 348 V • 65 kW

Lift Height
2930 - 6540 mm

HIGH VOLTAGE. HIGH PERFORMANCE. HYUNDAI.

The Next Generation B-X Series Electric Forklifts

With a 309-348V high-voltage system, the new 4 to 5.5 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, 309-348V 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 45B-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.



More power for tough jobs

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



Lower heat generation

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



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.

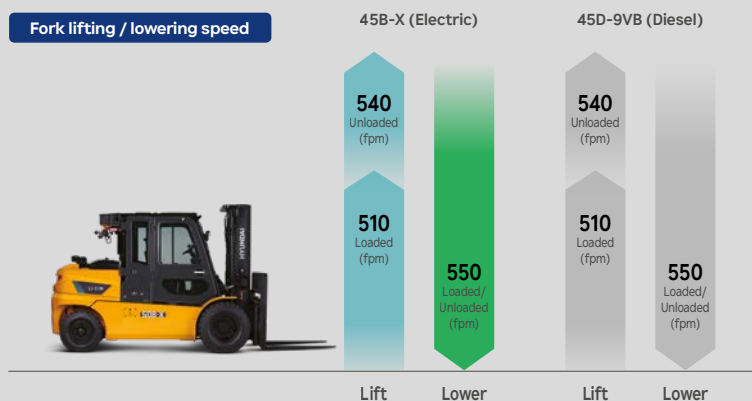
► Proven design

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.

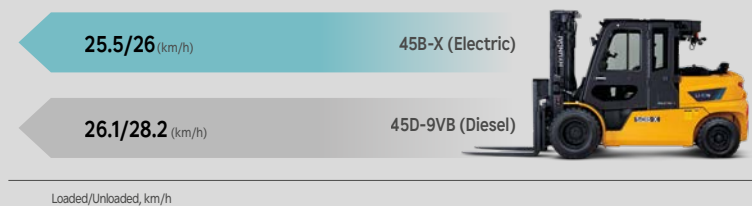


Performance equal to diesel powered models

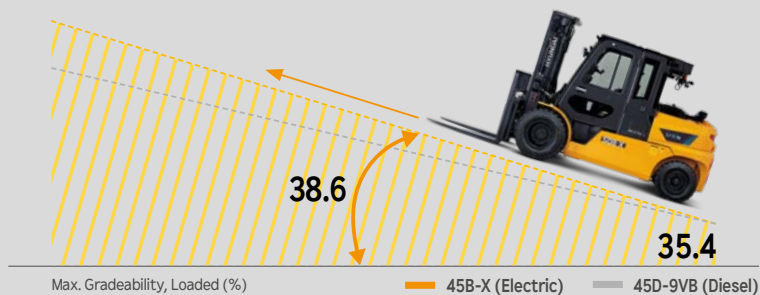
Fork lifting / lowering speed



Travel speed



Gradeability



✓ Same tyres, same capability

Equipped with the same heavy-duty tyres used on diesel models to ensure optimal traction and load handling.





**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 186 A – 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, 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.



**IP67
IP69K
RATING**



Water and dust protection ratings:

IP67 Rating

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

IP69K Rating

- Vehicle Control Unit (VCU)

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 27mm tighter than comparable diesel models (based on 50DN-9VB), the B-X Series delivers improved agility in confined environments.



Low noise, low vibration

Thanks to its electric powertrain and noise-reducing design, the B-X Series reduces cabin noise by up to 12 dB compared to diesel models, minimising operator fatigue and enhancing workplace safety.

Dual brake pedals **A**

Dual brake pedals support intuitive two-foot driving.

Regenerative braking enhances efficiency and durability, reducing heat generation in the drive axle.



Smart LCD cluster display **B**

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.

► Constant optimal climate control **OPTION**

Air conditioning and a heating system are available as options, providing consistent heating and cooling performance, regardless of engine RPM or coolant temperature. This ensures all-day comfort in any weather.



Convenient in-cabin power **C**

The cabin is equipped with a 12V socket and USB charging port, allowing operators to charge devices and power accessories while working.

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.

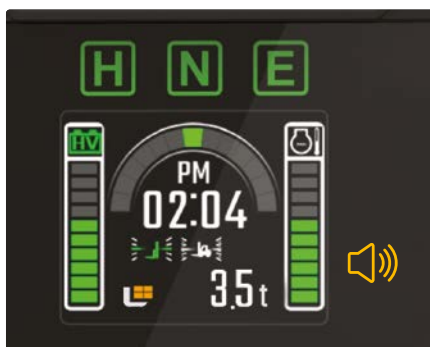
When the onboard camera detects a person near the forklift, the surrounding area is highlighted in yellow on the monitor and a buzzer sounds, providing a clear and immediate visual and audio warning to the operator.



► Load sensing system **OPTION**

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

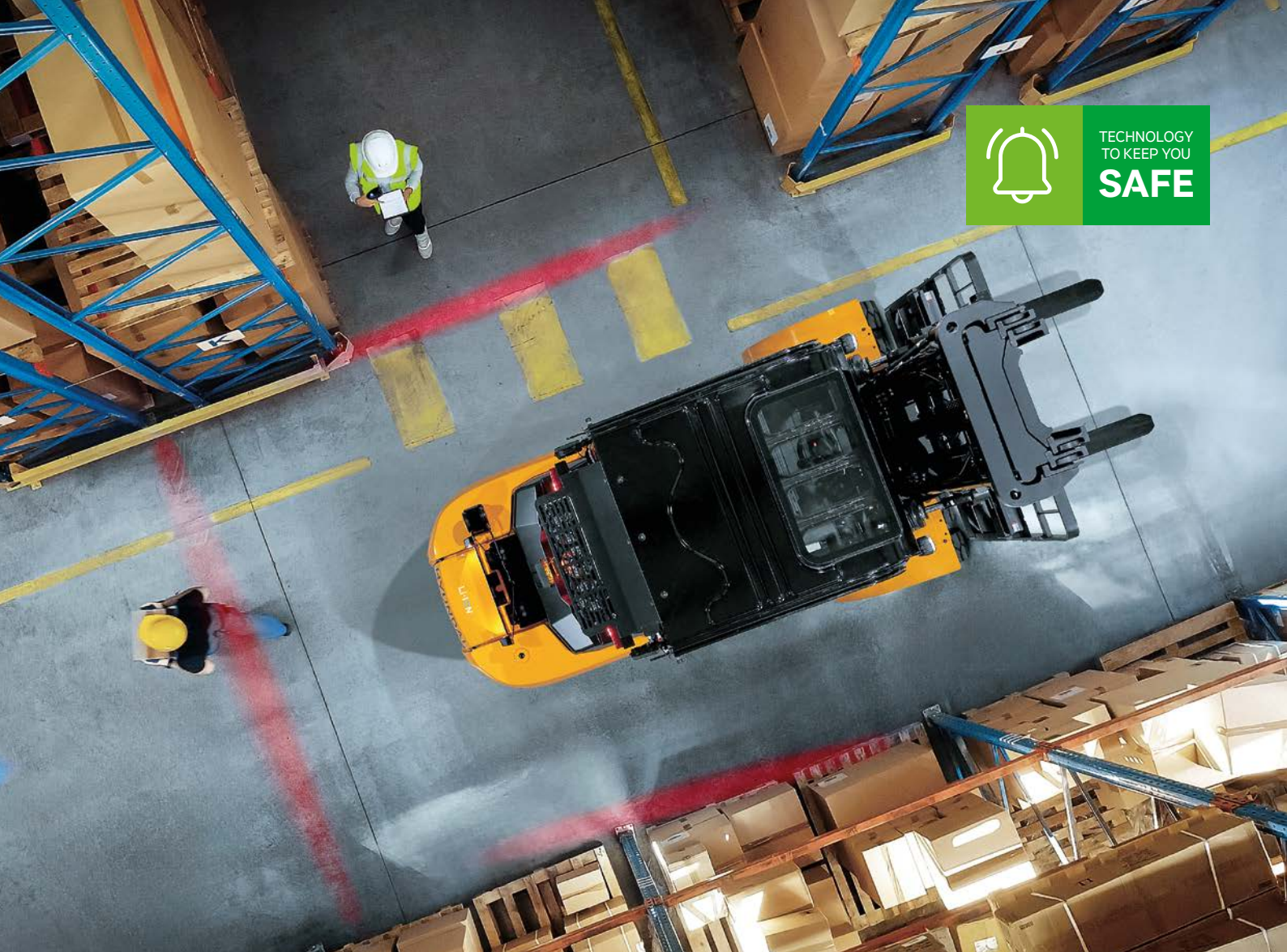
An alert is triggered when the rated load capacity is exceeded, helping prevent overloading and enhancing operational safety.



► 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 the brake pedal is held for over 4 seconds.

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

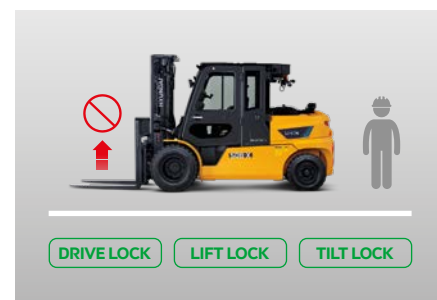


📌 Charging port protection cover

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.

► 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. €51,000.



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





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.



Sub bonnet access

The sub bonnet opens with ease, giving technicians quick access to internal components for inspections and maintenance tasks.



Easy access rear cover

The rear maintenance cover features a gas spring mechanism, enabling effortless opening and closing. This simple feature makes daily checks and servicing faster and more convenient.



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.



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

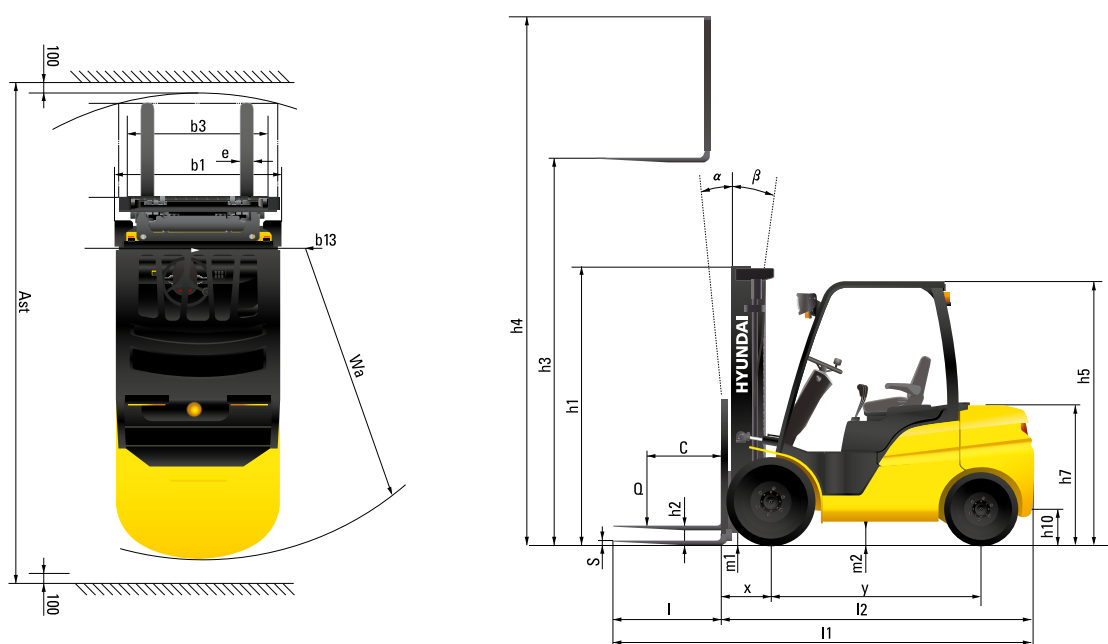
- Compatible with third-party communication terminals and operator authentication devices
- Supports basic features such as operation data management

40/45/50/55B-X

SPECIFICATIONS

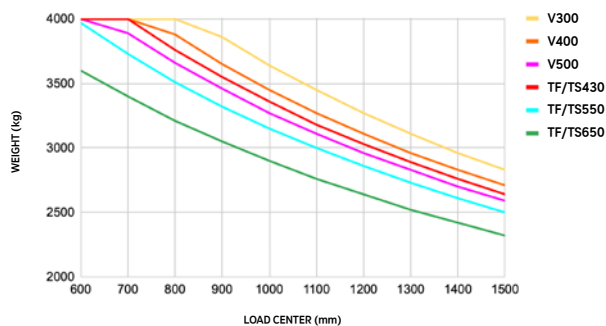
IDENTIFICATION										
	Frontwheel type (single / double)		Single	Double	Single	Double	Single	Double	Single	Double
1.1	Manufacturer (abbreviation)		Hyundai							
1.2	Manufacturer's type designation		40B-X		45B-X		50B-X		55B-X	
1.3	Drive : electric (battery or mains), diesel, petrol, LPG		Electric							
1.4	Operator type : hand, pedestrian, standing, seated, order-picker		Seated							
1.5 (Q)	Rated capacity / rated load	kg	4000		4500		5000		5500	
1.6 (c)	Load center distance	mm	600		600		600		500	
1.8 (x)	Load distance, center of drive axle to fork	mm	561		561		561		561	
1.10 (y)	Wheelbase	mm	2285		2285		2285		2285	
WEIGHTS										
2.1	Service weight	kg	6366	6528	6798	6898	7246	7355	7246	7355
2.2	Axle loading, loaded front / rear	kg	9186 / 1180	9366 / 1162	10014 / 1284	10113 / 1285	10768 / 1478	10864 / 1471	11382 / 1464	11378 / 1458
2.3	Axle loading, unloaded front / rear	kg	3135 / 3212	3334 / 3195	3228 / 3571	3327 / 3572	3228 / 4018	3324 / 4011	3328 / 4018	3324 / 4011
WHEELS, CHASSIS										
3.1	Tyres : superelastic, pneumatic, polyurethane		P		P		P		P	
3.2	Tyre size, front	mm	300-15-18PR	750-16-12PR	300-15-18PR	750-16-12PR	300-15-18PR	750-16-12PR	300-15-18PR	750-16-12PR
3.3	Tyre size, rear	mm	700-12-14PR		700-12-14PR		700-12-14PR		700-12-14PR	
3.5	Wheels, number front / rear (x = driven wheels)		2x / 2	4x / 2	2x / 2	4x / 2	2x / 2	4x / 2	2x / 2	4x / 2
3.6 (b10)	Tread, front	mm	1120	1282	1120	1282	1120	1282	1120	1282
3.7 (b11)	Tread, rear	mm	1140		1140		1140		1140	
DIMENSIONS										
4.1 (a / B)	Tilt of mast / fork carriage forward / backward	degree	8 / 10		8 / 10		8 / 10		8 / 10	
4.2 (h1)	Height, mast lowered	mm	2220		2220		2220		2220	
4.3 (h2)	Free lift	mm	120		120		120		120	
4.4 (h3)	Lift height	mm	3020		3020		2930		2930	
4.5 (h4)	Height, mast extended	mm	4234		4234		4147		4147	
4.7 (h5)	Height of overhead guard (cabin)	mm	2221 (2365)		2221 (2365)		2221 (2365)		2221 (2365)	
4.8 (h7)	Seat height relating to SIP / stand height	mm	1297		1297		1297		1297	
4.12 (h10)	Coupling height	mm	372		360		360		360	
4.19 (l1)	Overall length	mm	4381		4531		4587		4587	
4.20 (l2)	Length to face of forks	mm	3311		3311		3387		3387	
4.21 (b1)	Overall width	mm	1418	1746	1418	1746	1418	1746	1418	1746
4.22 (l x e x s)	Fork dimensions DIN ISO 2331	mm	1070 x 150 x 50		1220 x 150 x 50		1200 x 150 x 60		1200 x 150 x 60	
4.23	Fork carriage ISO 2328, class / type A, B		3A		3A		3A		3A	
4.24 (b12)	Fork carriage width	mm	1300	1676	1300	1676	1300	1676	1300	1676
4.31 (m1)	Ground clearance below mast loaded	mm	155	170	155	170	155	170	155	170
4.32 (m2)	Ground clearance centre of wheelbase	mm	190	190	190	190	190	190	190	190
4.34.1 (Ast)	Aisle width for pallets 1000 x 1200 crossways (l x w)	mm	4748		4748		4830		4830	
4.34.2 (Ast)	Aisle width for pallets 800 x 1200 crossways (w x l)	mm	4948		4948		5030		5030	
4.35 (Wa)	Turning radius	mm	2987		2987		3054		3054	
PERFORMANCE DATA										
5.1	Travel speed loaded / unloaded	km/h	25.5 / 26		25.5 / 26		25.5 / 26		25.5 / 26	
5.2	Lift speed loaded / unloaded	mm/s	510 / 540		510 / 540		410 / 500		410 / 500	
5.3	Lowering speed loaded / unloaded	mm/s	550 / 550		550 / 550		550 / 550		550 / 550	
5.6	Max. drawbar pull loaded / unloaded	N	41313 / 40520		41356 / 40441		41299 / 40261		41425 / 40261	
5.8	Max. gradeability loaded / unloaded	%	42.3 / 23.1		38.6 / 22.0		33.9 / 20.9		32.6 / 20.9	
E-MOTOR										
6.1	Drive motor rating S2 60 min	kW	65		65		65		65	
6.2	Lift motor rating at S315%	kW	33		33		33		33	
6.4	Battery voltage, nominal capacity K5	V/Ah	309.12 / 173		309.12 / 173		309.12 / 173		309.12 / 173	
6.5	Battery weight	kg	714		714		714		714	
	Battery compartment dimensions l / w / h	mm	1160 / 847 / 760		1160 / 847 / 760		1160 / 847 / 760		1160 / 847 / 760	
DRIVE MECHANISM										
8.1	Type of drive control		AC		AC		AC		AC	
8.11	Service brake		Hydraulic		Hydraulic		Hydraulic		Hydraulic	
ADDITIONAL DATA										
10.1	Operating pressure system / attachments	bar	215 / 140		215 / 140		215 / 140		215 / 140	
10.2	Oil volume for attachments	l/min	60		60		60		60	
10.7	Sound level at the driver's ear according to DIN 12053	dB(A)	74.5		74.5		74.5		74.5	
AIR CONDITIONING										
	Refrigerant type		R-134a	R-134a	R-134a	R-134a	R-134a	R-134a	R-134a	R-134a
	Refrigerant quantity	kg	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
	Global warming potential (GWP) - equivalent to CO2 in metric tons	metric tons	1430	1430	1430	1430	1430	1430	1430	1430
BATTERY COOLING BTMS										
	Refrigerant type		R-134a	R-134a	R-134a	R-134a	R-134a	R-134a	R-134a	R-134a
	Refrigerant quantity	kg	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
	Global warming potential (GWP) - equivalent to CO2 in metric tons	metric tons	1430	1430	1430	1430	1430	1430	1430	1430

40/45/50/55B-X DIMENSIONS

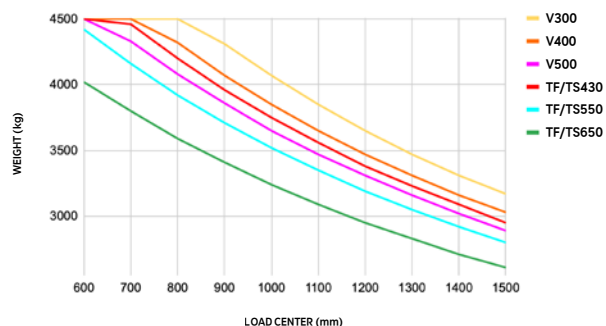


40/45/50/55B-X LOAD CAPACITY

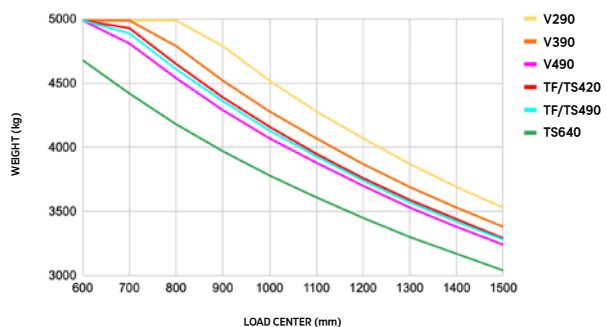
LOAD CURVE (40B-X)



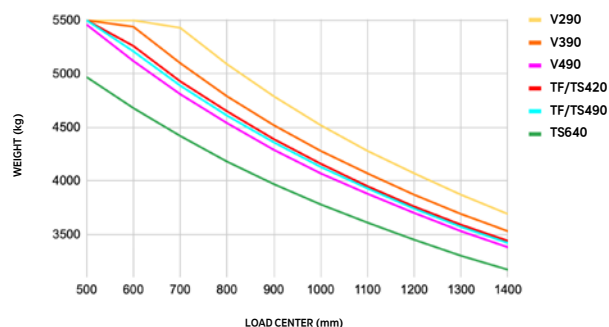
LOAD CURVE (45B-X)



LOAD CURVE (50B-X)



LOAD CURVE (55B-X)



40/45/50/55B-X

MAST SPECIFICATION

40B-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 (kg)				Truck weight (unloaded) standard configuration (kg)	
			With backrest	Without backrest	Single tyre	Double tyre	With backrest	Without backrest		Without side shift		With side shift			
		mm	mm	mm	mm	mm	mm	mm	mm	(°)	Single tyre	Double tyre	Single tyre	Double tyre	Single tyre
V-Duplex - no free lift	V270	2720	3924	3565	2085	2070	120	120	8 / 10	4000	4000	3660	3650	6300	6407
	V300	3020	4224	3865	2235	2220			8 / 10	4000	4000	3660	3650	6330	6437
	V330	3320	4524	4165	2385	2370			8 / 10	4000	4000	3660	3650	6368	6475
	V350	3520	4724	4365	2535	2520			8 / 10	4000	4000	3660	3650	6368	6475
	V370	3720	4924	4565	2635	2620			8 / 10	4000	4000	3660	3650	6391	6498
	V400	4020	5224	4865	2845	2830			8 / 10	4000	4000	3660	3650	6453	6560
	V430	4320	5524	5165	2995	2980			8 / 10	4000	4000	3660	3650	6483	6590
	V450	4520	5724	5365	3095	3080			8 / 6	4000	4000	3660	3650	6566	6673
	V500	5020	6224	5865	3345	3330			8 / 6	4000	4000	3660	3650	6617	6724
VF-Duplex - free lift - 1 central cylinder	VF280	2805	4020	3682	2135	2120	920	1258	8 / 8	4000	4000	3660	3650	6341	6445
	VF300	3005	4220	3882	2235	2220	1020	1358	8 / 8	4000	4000	3660	3650	6367	6471
	VF315	3155	4370	4032	2325	2310	1110	1448	8 / 8	4000	4000	3660	3650	6386	6491
TF-triplex - free lift - 1 central cylinder	TF370	3730	4945	4616	2035	2020	820	1149	8 / 8	4000	4000	3660	3650	6557	6664
	TF400	4030	5245	4916	2135	2120	920	1249	8 / 8	4000	4000	3660	3650	6587	6694
	TF430	4330	5545	5216	2235	2220	1020	1349	8 / 8	4000	4000	3660	3650	6618	6725
	TF450	4510	5725	5396	2295	2280	1080	1409	8 / 8	4000	4000	3660	3650	6637	6744
	TF470	4720	5935	5606	2385	2370	1170	1499	8 / 8	4000	4000	3660	3650	6673	6780
	TF500	5020	6235	5906	2485	2470	1270	1599	8 / 6	4000	4000	3660	3650	6696	6803
	TF550	5520	6735	6406	2665	2650	1450	1779	8 / 6	3950	3970	3610	3620	6757	6864
	TF600	6030	7245	6916	2854	2830	1630	1959	8 / 6	3720	3740	3400	3410	6826	6933
	TF650	6540	7755	7426	3025	3010	1810	2139	8 / 6	3590	3600	3270	3270	6867	6974
TS-triplex - free lift - 2 central cylinders	TS370	3730	4945	4616	2035	2020	820	1149	8 / 8	4000	4000	3660	3650	6557	6664
	TS400	4030	5245	4916	2135	2120	920	1249	8 / 8	4000	4000	3660	3650	6587	6694
	TS420	4210	5425	5096	2175	2160	960	1289	8 / 8	4000	4000	3660	3650	6607	6714
	TS430	4330	5545	5216	2235	2220	1020	1349	8 / 8	4000	4000	3660	3650	6618	6725
	TS450	4510	5725	5396	2295	2280	1080	1409	8 / 8	4000	4000	3660	3650	6637	6744
	TS470	4720	5935	5606	2385	2370	1170	1499	8 / 8	4000	4000	3660	3650	6673	6780
	TS500	5020	6235	5906	2485	2470	1270	1599	8 / 6	4000	4000	3660	3650	6696	6803
	TS550	5520	6735	6406	2665	2650	1450	1779	8 / 6	3950	3970	3610	3620	6757	6864
	TS600	6030	7245	6916	2854	2830	1630	1959	8 / 6	3720	3740	3400	3410	6826	6933
	TS650	6540	7755	7426	3025	3010	1810	2139	8 / 6	3590	3600	3270	3270	6867	6974

45B-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 (kg)				Truck weight (unloaded) standard configuration (kg)	
			With backrest	Without backrest	Single tyre	Double tyre	With backrest	Without backrest		Without side shift		With side shift			
		mm	mm	mm	mm	mm	mm	mm	mm	(°)	Single tyre	Double tyre	Single tyre	Double tyre	Single tyre
V-Duplex - no free lift	V270	2720	3924	3565	2085	2070	120	120	8 / 10	4500	4500	4100	4090	6768	6878
	V300	3020	4224	3865	2235	2220			8 / 10	4500	4500	4100	4090	6798	6908
	V330	3320	4524	4165	2385	2370			8 / 10	4500	4500	4100	4090	6836	6946
	V350	3520	4724	4365	2535	2520			8 / 10	4500	4500	4100	4090	6859	6969
	V370	3720	4924	4565	2635	2620			8 / 10	4500	4500	4100	4090	6879	6989
	V400	4020	5224	4865	2845	2830			8 / 10	4500	4500	4100	4090	6921	7031
	V430	4320	5524	5165	2995	2980			8 / 10	4500	4500	4100	4090	6951	7061
	V450	4520	5724	5365	3095	3080			8 / 6	4500	4500	4100	4090	7034	7144
	V500	5020	6224	5865	3345	3330			8 / 6	4500	4500	4100	4090	7085	7195
VF-Duplex - free lift - 1 central cylinder	VF280	2805	4020	3682	2135	2120	920	1258	8 / 8	4500	4500	4120	4090	6804	6914
	VF300	3005	4220	3882	2235	2220	1020	1358	8 / 8	4500	4500	4120	4090	6830	6940
	VF315	3155	4370	4032	2325	2310	1110	1448	8 / 8	4500	4500	4120	4090	6849	6959
TF-triplex - free lift - 1 central cylinder	TF370	3730	4945	4616	2035	2020	820	1149	8 / 8	4500	4500	4110	4090	7025	7137
	TF400	4030	5245	4916	2135	2120	920	1249	8 / 8	4500	4500	4110	4090	7055	7167
	TF430	4330	5545	5216	2235	2220	1020	1349	8 / 8	4500	4500	4110	4090	7086	7198
	TF450	4510	5725	5396	2295	2280	1080	1409	8 / 8	4500	4500	4110	4090	7105	7217
	TF470	4720	5935	5606	2385	2370	1170	1499	8 / 8	4500	4500	4110	4090	7141	7254
	TF500	5020	6235	5906	2485	2470	1270	1599	8 / 6	4500	4500	4110	4090	7164	7277
	TF550	5520	6735	6406	2665	2650	1450	1779	8 / 6	4400	4420	4010	4020	7226	7338
	TF600	6030	7245	6916	2845	2830	1630	1959	8 / 6	4150	4170	3780	3780	7294	7406
	TF650	6540	7755	7426	3025	3010	1810	2139	8 / 6	4020	4020	3660	3640	7336	7448
TS-triplex - free lift - 2 central cylinders	TS370	3730	4945	4616	2035	2020	820	1149	8 / 8	4500	4500	4110	4090	7025	7137
	TS400	4030	5245	4916	2135	2120	920	1249	8 / 8	4500	4500	4110	4090	7055	7167
	TS420	4210	5425	5096	2175	2160	960	1289	8 / 8	4500	4500	4110	4090	7075	7187
	TS430	4330	5545	5216	2235	2220	1020	1349	8 / 8	4500	4500	4110	4090	7086	7198
	TS450	4510	5725	5396	2295	2280	1080	1409	8 / 8	4500	4500	4110	4090	7105	7217
	TS470	4720	5935	5606	2385	2370	1170	1499	8 / 8	4500	4500	4110	4090	7141	7254
	TS500	5020	6235	5906	2485	2470	1270	1599	8 / 6	4500	4500	4110	4090	7164	7277
	TS550	5520	6735	6406	2665	2650	1450	1779	8 / 6	4400	4420	4010	4020	7226	7338
	TS600	6030	7245	6916	2845	2830	1630	1959	8 / 6	4150	4170	3780	3780	7294	7406
TS650	6540	7755	7426	3025	3010	1810	2139	8 / 6	4020	4020	3660	3640	7336	7448	

40/45/50/55B-X

MAST SPECIFICATION

50B-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 (kg)				Truck weight (unloaded) standard configuration (kg)	
			With backrest	Without backrest	Single tyre	Double tyre	With backrest	Without backrest		Without side shift		With side shift			
		mm	mm	mm	mm	mm	mm	mm	mm	(°)	Single tyre	Double tyre	Single tyre	Double tyre	Single tyre
V-Duplex - no free lift	V290	2930	4136	3835	2220	2205	120	120	8 / 10	4990	4990	4560	4550	7246	7362
	V320	3230	4436	4135	2370	2355			8 / 10	4990	4990	4560	4550	7271	7387
	V360	3630	4836	4535	2620	2605			8 / 10	4990	4990	4560	4550	7312	7428
	V390	3930	5136	4835	2830	2815			8 / 10	4990	4990	4560	4550	7348	7463
	V440	4430	5636	5335	3080	3065			8 / 6	4990	4990	4560	4550	7451	7567
	V490	4930	6136	5835	3330	3315			8 / 6	4990	4990	4560	4550	7493	7609
TF-triplex - free lift - 1 central cylinder	TF360	3672	4878	4609	2035	2020	815	1149	8 / 8	4990	4990	4570	4550	7464	7568
	TF390	3972	5178	4909	2135	2120	915	1249	8 / 8	4990	4990	4570	4550	7490	7594
	TF420	4272	5478	5209	2235	2220	1015	1349	8 / 8	4990	4990	4570	4550	7515	7619
	TF460	4662	5868	5599	2385	2370	1165	1499	8 / 8	4990	4990	4570	4550	7555	7659
	TF490	4962	6168	5899	2485	2470	1265	1599	8 / 6	4940	4990	4520	4550	7580	7684
	TF540	5462	6668	6399	2665	2650	1445	1779	8 / 6	4790	4910	4380	4480	7632	7736
TS-triplex - free lift - 2 central cylinders	TF590	5972	7178	6909	2845	2830	1625	1959	8 / 6	4690	4810	4290	4380	7673	7776
	TS420	4272	5478	5209	2235	2220	1015	1349	8 / 8	4990	4990	4570	4550	7515	7619
	TS460	4662	5868	5599	2385	2370	1165	1499	8 / 8	4990	4990	4570	4550	7555	7659
	TS540	5462	6668	6399	2665	2650	1445	1779	8 / 6	4790	4910	4380	4480	7632	7736
	TS590	5972	7178	6909	2845	2830	1625	1959	8 / 6	4690	4810	4290	4380	7673	7776
	TS640	6482	7688	7419	3025	3010	1805	2139	8 / 6	4550	4680	4150	4260	7714	7818

55B-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 500mm (kg)				Truck weight (unloaded) standard configuration (kg)	
			With backrest	Without backrest	Single tyre	Double tyre	With backrest	Without backrest		Without side shift		With side shift			
		mm	mm	mm	mm	mm	mm	mm	(°)	Single tyre	Double tyre	Single tyre	Double tyre	Single tyre	Double tyre
V-Duplex - no free lift	V290	2930	4136	3835	2220	2205	120	120	8 / 10	5500	5500	5000	4990	7246	7362
	V320	3230	4436	4135	2370	2355			8 / 10	5500	5500	5000	4990	7271	7387
	V360	3630	4836	4535	2620	2605			8 / 10	5500	5500	5000	4990	7312	7428
	V390	3930	5136	4835	2830	2815			8 / 10	5500	5500	5000	4990	7348	7463
	V440	4430	5636	5335	3080	3065			8 / 6	5500	5500	5000	4990	7451	7567
	V490	4930	6136	5835	3330	3315			8 / 6	5340	5460	4850	4950	7493	7609
TF-triplex - free lift - 1 central cylinder	TF360	3672	4878	4609	2035	2020	815	1149	8 / 8	5500	5500	5010	4990	7464	7568
	TF390	3972	5178	4909	2135	2120	915	1249	8 / 8	5500	5500	5010	4990	7490	7594
	TF420	4272	5478	5209	2235	2220	1015	1349	8 / 8	5500	5500	5010	4990	7515	7619
	TF460	4662	5868	5599	2385	2370	1165	1499	8 / 8	5370	5500	4880	4990	7555	7659
	TF490	4962	6168	5899	2485	2470	1265	1599	8 / 6	5270	5400	4790	4900	7580	7684
	TF540	5462	6668	6399	2665	2650	1445	1779	8 / 6	5100	5230	4630	4740	7632	7736
TS-triplex - free lift - 2 central cylinders	TF590	5972	7178	6909	2845	2830	1625	1959	8 / 6	4990	5120	4530	4640	7673	7776
	TS420	4272	5478	5209	2235	2220	1015	1349	8 / 8	5500	5500	5010	4990	7515	7619
	TS460	4662	5868	5599	2385	2370	1165	1499	8 / 8	5370	5500	4880	4990	7555	7659
	TS540	5462	6668	6399	2665	2650	1445	1779	8 / 6	5100	5230	4630	4740	7632	7736
	TS590	5972	7178	6909	2845	2830	1625	1959	8 / 6	4990	5120	4530	4640	7673	7776
	TS640	6482	7688	7419	3025	3010	1805	2139	8 / 6	4830	4970	4380	4500	7714	7818

40/45/50/55B-X

STANDARD/OPTIONAL EQUIPMENT

DESCRIPTION			40B-X	45B-X	50B-X	55B-X
MAST & ATTACHMENTS	MAST	V - duplex - no free lift - (2720 ~ 5020 mm)	☐	☐	☐	☐
		VF - duplex - free lift - 1 central cylinder (2805 ~ 3155 mm)	☐	☐	-	-
		TF - triplex - free lift - 1 central cylinder (3672 ~ 6540 mm)	☐	☐	☐	☐
		TS - triplex - free lift - 2 central cylinders (3730 ~ 6540 mm)	☐	☐	☐	☐
		Attachment piping for 3, 4, 5 spool	☐	☐	☐	☐
	CARRIAGE WIDTH	Standard - 1300mm	☒	☒	☒	☒
		Wide - 1600mm	☐	☐	☐	☐
	CARRIAGE CLASS	Fork carriage FEM III	☒	☒	☒	☒
		Fork carriage FEM IV	-	☐	☐	☐
	LOAD CENTER	Load center 500mm	-	-	-	☒
		Load center 600mm	☒	☒	☒	-
	ATTACHMENT	Hook-on side shift	☐	☐	☐	☐
		Shaft(pin)-version integral side shift and/or forkpositioner	☐	☐	☐	☐
		Hook-on side shift + forkpositioner (simultaneous)	☐	☐	☐	☐
HYDRAULICS	MCV	Standard : 1200 mm	☒	☒	☒	☒
		Other forks length: 1070 ~ 2400 mm	☐	☐	☐	☐
	LEVER	3 spool control valve	☒	☒	☒	☒
		4 or 5 spool control valve	☐	☐	☐	☐
	OIL	Manual	☒	☒	☒	☒
		Fingertip	☐	☐	☐	☐
OPERATION	CABIN	Hydraulic oil VG46	☒	☒	☒	☒
		Hydraulic oil VG15 - VG32 - VG68	☐	☐	☐	☐
		Overhead guard	☒	☒	☒	☒
		Single door cabin	☐	☐	☐	☐
	CLIMATE	Split door cabin	☐	☐	☐	☐
		Top, front, rear window + wipers	☐	☐	☐	☐
	SEAT	Air conditioning & heater	☐	☐	☐	☐
		Grammer - vinyl	☒	☒	☒	☒
		Grammer - fabric	☐	☐	☐	☐
		Armrest L, R	☐	☐	☐	☐
		Heated	☐	☐	☐	☐
		High backrest	☐	☐	☐	☐
VISIBILITY	MIRROR	Panoramic mirror	☒	☒	☒	☒
		LH + RH mirror	☐	☐	☐	☐
	LIGHTS	Front worklight (LED)	☒	☒	☒	☒
		Daytime running light	☒	☒	☒	☒
		Orange beacon light	☒	☒	☒	☒
		Tail lights	☒	☒	☒	☒
		Rear worklight (LED)	☐	☐	☐	☐
		Licence plate lamp	☐	☐	☐	☐
		Bluespot	☐	☐	☐	☐
		Redzone	☐	☐	☐	☐
		Hazard lights	☐	☐	☐	☐
SAFETY		Back-up alarm buzzer	☒	☒	☒	☒
		Camera in separate monitor (rear / front / 360)	☐	☐	☐	☐
		Pedestrian detection alarm	☐	☐	☐	☐
		Battery master switch	☒	☒	☒	☒
CONVENIENCE		USB & 12V charger plug	☒	☒	☒	☒
		Auto tilt	☐	☐	☐	☐
		Mast damping	☐	☐	☐	☐
		Hi MATE basic	☐	☐	☐	☐
		Hi MATE premium (add-on)	☐	☐	☐	☐
		Forward / reverse switch on lift lever	☐	☐	☐	☐
		Load indicator	☐	☐	☐	☐
		Rear grip with horn button	☐	☐	☐	☐
		Bluetooth radio	☐	☐	☐	☐
		53kW - 309V / 173Ah	☒	☒	☒	☒
BATTERY		70kW - 348V / 200Ah	☐	☐	☐	☐
		93kW - 348V / 268Ah	☐	☐	☐	☐
		20kW / 309 ~ 348V - 3ph / 400V / 31A	☒	☒	☒	☒
CHARGER		40kW / 309 ~ 348V - 3ph / 400V / 62A	☐	☐	☐	☐
		120kW / 309 ~ 348V - 3ph / 400V / 186A	☐	☐	☐	☐
		Multicharger (4 battery chargers in 1)	☐	☐	☐	☐
		Canopy for charger	☐	☐	☐	☐
		Single front tyres	☒	☒	☒	☒
TYRES		Double front tyres	☐	☐	☐	☐
		Pneumatic	☒	☒	☒	☒
		Solid	☐	☐	☐	☐
		Solid non-marking	☐	☐	☐	☐
		Front pneumatic + rear solid	☐	☐	☐	☐
		Front solid + rear pneumatic	☐	☐	☐	☐
		Under cover	☒	☒	☒	☒
OTHERS	FRAME FRAME	Fire extinguisher	☐	☐	☐	☐

● Standard □ Optional - Not available



In Europe, Hyundai Material Handling (HD Hyundai XiteSolution) is operated and managed by:

HD Hyundai Construction Equipment Europe nv, Hyundailaan 4,
3980 Tessenderlo-Ham, Belgium

T +32 14 56 22 00 E info@hyundai.eu www.hyundai-mh.eu VAT BE0454495082

The information and data contained in this brochure is the property of HD Hyundai XiteSolution and has been compiled with the utmost care. Specifications and designs are subject to change at any time without notice. As general data, images and descriptions have been used in the brochure, Hyundai products may be fitted with non-standard equipment. The publication of this brochure cannot be regarded as an offer or proposal to contract and is intended for European markets only.



Scan to find out more
about this product.

Contact your Hyundai Material Handling dealer:
hyundai-mh.eu/en/dealer-locator

HY-MH-00090. 08/2025. EN. ISSUE1