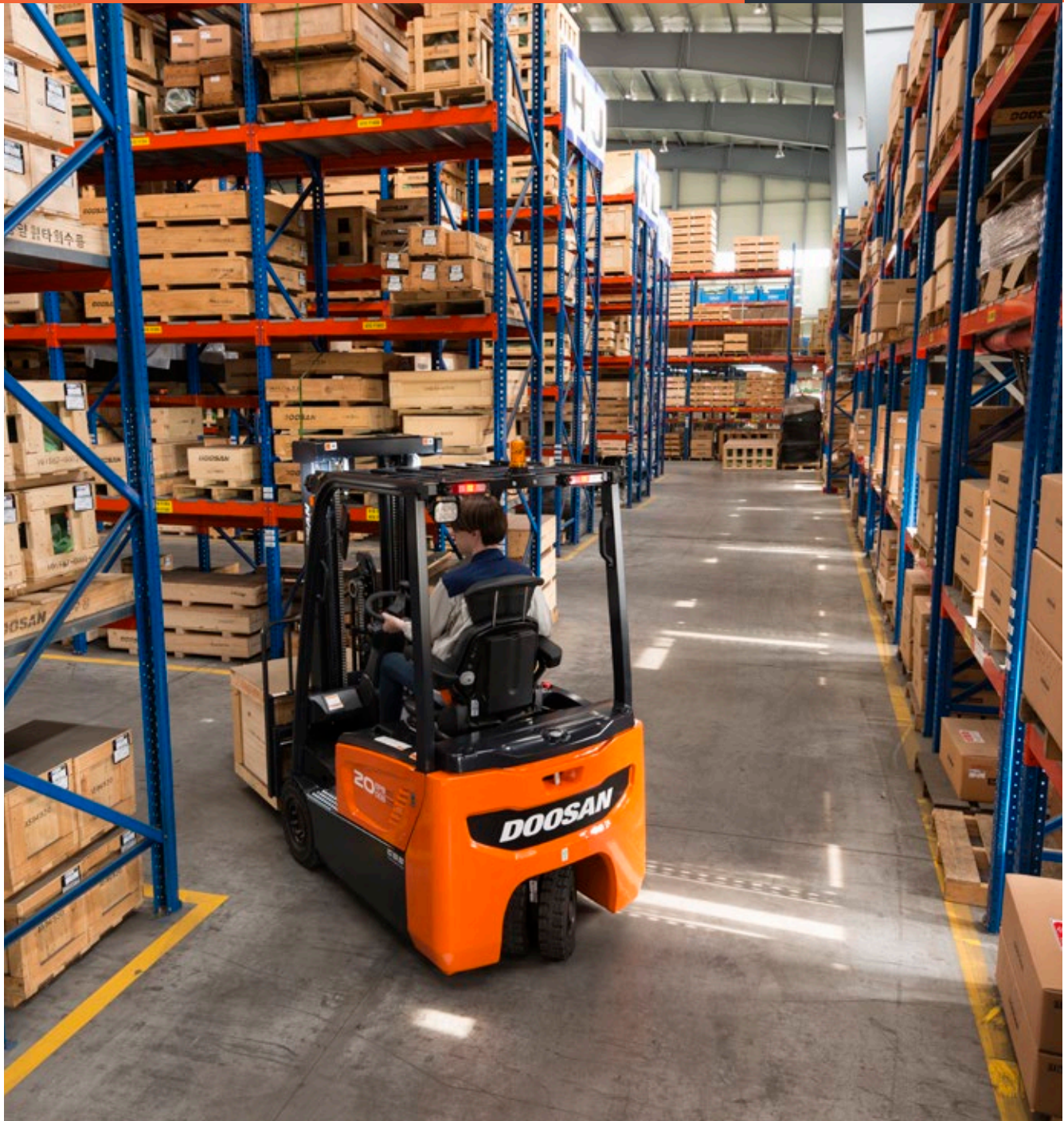


DOOSAN

B15T-7 Plus / B18T-7 Plus / B20T-7 Plus
B16X-7 Plus / B18X-7 Plus / B20X-7 Plus
B25X-7 Plus / B30X-7 Plus / B35X-7 Plus

7-SERIES PLUS FORKLIFTS

Electric 1.5 to 3.5 ton capacity 3- and 4-wheel



7-Series Plus Electric Forklifts

The Doosan 3- and 4-wheel electric counterbalance forklifts provide great power, excellent performance, enhanced safety, driving comfort, outstanding serviceability and reliability.

MAXIMUM PRODUCTIVITY

- The smallest turning radius
- High visibility design
- Convenient side battery removal system (optional)
- Powerful traction and pump motor system

SAFETY

- Large panoramic mirror (optional)
- LED lights
- Blue safety light (optional)
- Red fence light (optional)
- Emergency switch (optional for inside battery connector)
- EFB- electric foot-brake system, less components
- Seat belt interlock (optional)
- Guardian Stability System (GSS):
 - Turtle mode
 - Hill start assist
 - Low battery alarm
 - Mast Lowering Inter-Lock & Tilt Lock (ISO3691)
 - Operator sensing system (OSS)
 - Curve speed control based on steering angle and mast height



OPTIMAL ERGONOMICS

- Finger tip controls (optional)
- Adjustable steering column
- Adjustable seat
- Reduced noise level

EXCELLENT RELIABILITY

- Reliable operation
- Improved cooling performance
- Improved water protection package

GREAT SERVICEABILITY

- Worldwide service network
- Doosan genuine parts
- Easy-access all main components

Maximum Productivity



Optimized steering angle

Increased steer angle reduces the steering radius which allows you to design the most efficient warehouse lay-out to optimize your operation.



Side battery removal

The battery changing system (Side Roll In/Out or Side Lift In/Out) makes it easier and faster to exchange the battery. This allows multi-shift operations.



Curve speed control

Improved curve speed control system. The steering angle sensor controls the travel speed when turning sharply. It automatically reduces the travel speed to a safe level when cornering, which reduces the risk of accidents or damage and increase safety.

image can include optional equipment



image can include optional equipment

Excellent visibility

The precisely designed overhead guard profile with angled roof bars provides a clear upward view whilst ensuring ultimate strength for safety. The excellent visibility enables you to work faster and more efficient. The ergonomic design of the operator compartment makes your work fast and enjoyable. New features such as the increased length of the entry bar and the new accessory bar offer more comfort.

Safety



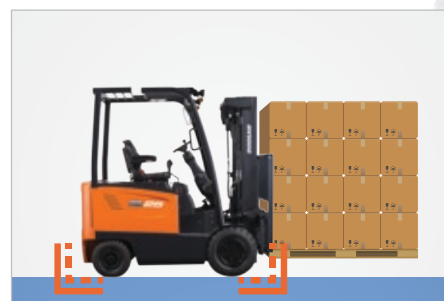
Hill start assist

Ramp hold ensures the vehicle stays stationary no matter where it is positioned; and will only move when required by the operator.



Auto parking brake (EPB)

The parking brake automatically activates which ensures safety around the vehicle when the driver leaves the seat.



Electric foot brake system (EFB) **NEW**

The brake starts when you release your foot from the accelerator pedal. This technology has been extended to the service brake system.



Drive speed control **NEW**

Based on the lifting height, other speeds (travel/lift) are also reduced to make the forklift even safer.



Mast Lowering Interlock & Tilt Lock (ISO3691)

When the operator leaves the truck unattended, the hydraulic locking system prevents unintentional lowering and tilting of the mast. It safeguards the truck, the load and the work array.

image can include optional equipment



OPTION

Large panoramic mirror

Provides the operator with a clear view of the rear working area, improving safety & efficiency.



OPTION

Red fence lights **NEW**

A warning is given to pedestrians by projecting red lines around the vehicle. Front and rear safety lights are also available.



NEW

Mast sway control

You can work and drive safer even when the mast is raised to its maximum height. The improved design provides better control of mast oscillation, which stops abruptly after the initial short period of movement. The drive speed is controlled by the mast height above the primary stage. The vehicle's max speed will be reduced by 50% for safety reasons. (GSS option is built in as STD).



-43% when tilting*
-43% when side shifting*

* comparison with BT/BX 7-Series

Safety & Optimal ergonomics

NFC start option **OPTION** **NEW**

Security has been improved, allowing only authorised employees to operate the truck.

Finger tip controls **OPTION**

Fast, precise and fully adjustable fingertip control makes the 7-series effortless and efficient. The console is height adjustable and can be tilted forwards and backwards.



Adjustable steering column

The operator can change the stepless adjustable column to the best position that provides convenience and comfort.



Adjustable seat **OPTION** **NEW**

The newly improved design offers upgraded features :

- Low-vibration seat: absorbing shocks, full suspension up to 150 kg, adjustable
- Improved suspension
- Improved endurance
- Increased convenience: Operation is now easier due to the increased size of the armrest.
- Ease of Maintenance: Parts can now be exchanged without removing the seat from the vehicle.



Turtle mode

By pushing the turtle mode button when the truck operates in a warehouse, the truck travel speed will slow down to a predefined travel speed setting, without impacting the lifting speed. This mode ensures safe manoeuvring in delicate operating situations.



LED lights

Brighter and longer lasting than traditional sealed beams or halogen lights.



Blue safety light **OPTION**

The blue safety light warns oncoming forklifts or pedestrians by projecting a blue light on the floor. This helps prevent accidents in the workplace.

Image can include optional equipment

Reduced noise level **NEW**

The use of a low-noise drive axle (2.5-3.5t) and sound suppression system has greatly improved the driving noise, allowing operators to work in a comfortable environment. Noise level is reduced by 37% compared to the previous model (OVHG).



Great serviceability & Excellent reliability



Improved water protection package **NEW**

Protection against water and dirt for outdoor use has been improved. The front cover increases protection in the drive motor area. Belly plate option reduces any risk of contaminants entering from underneath the truck. All electrical connectors are IP67 rated, allowing better protection against dust and moisture.

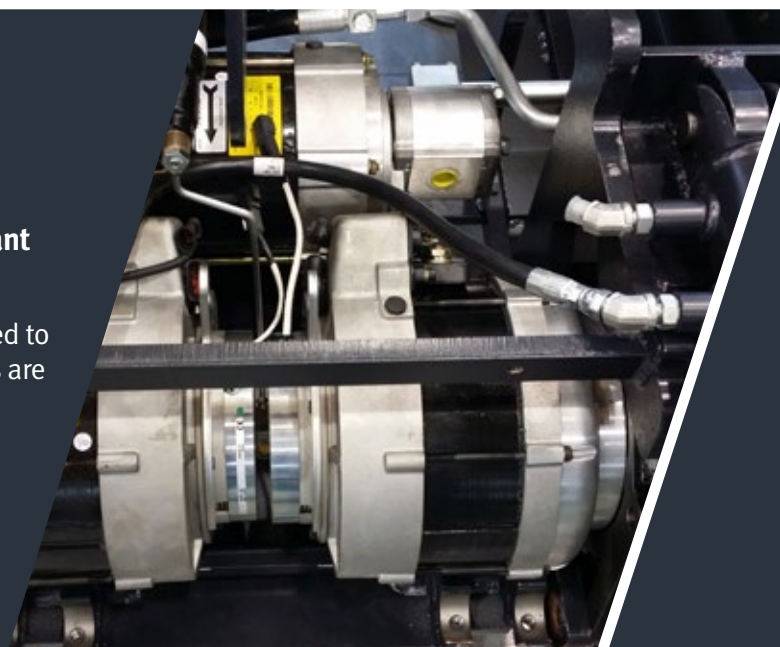
Reliable Operation

Curtis AC controllers provide an unbeatable combination of power, performance and functionality. They are very reliable and well proven.



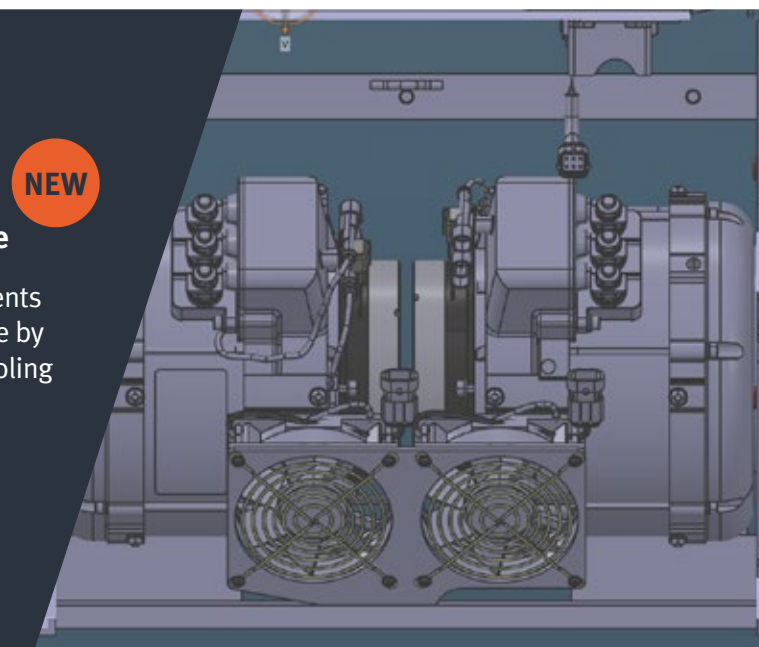
IP43 dust and water resistant drive and pump

The sealed controllers are rated to IP65 and the enclosed motors are rated to IP43.

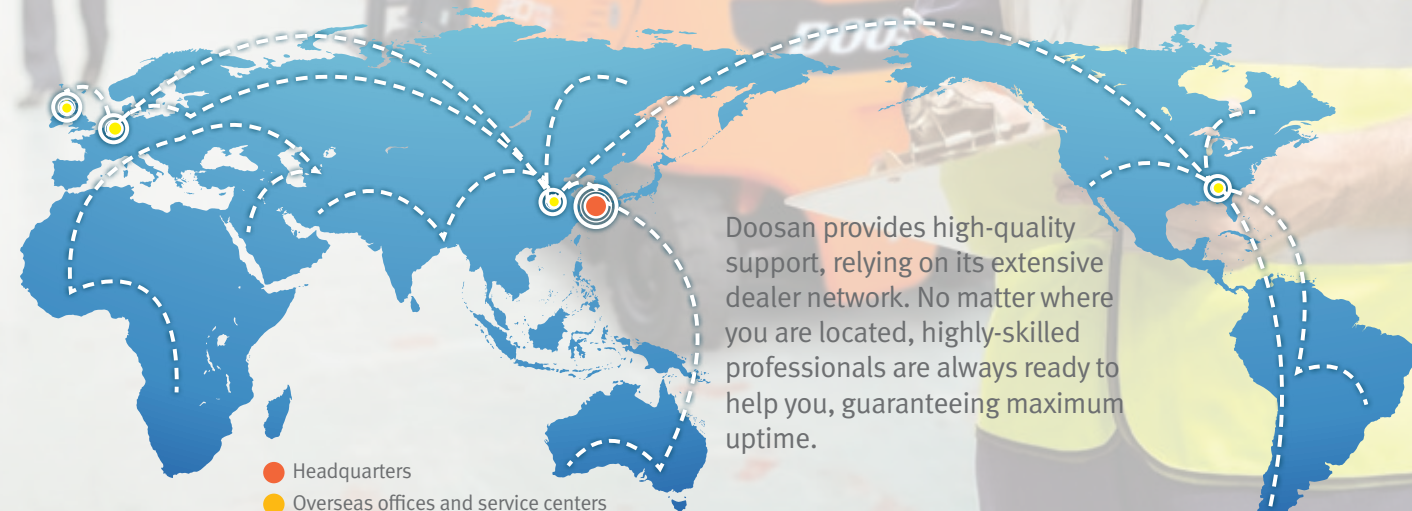


Cooling performance **NEW**

Significant improvements in cooling performance by using a centralized cooling fan.



Worldwide service network



Doosan provides high-quality support, relying on its extensive dealer network. No matter where you are located, highly-skilled professionals are always ready to help you, guaranteeing maximum uptime.

- Headquarters
- Overseas offices and service centers



LIFTING YOUR DREAMS



Main Specifications

MAJOR SPECIFICATION

		B15T-7 Plus	B18T-7 Plus	B20T-7 Plus
Classification		3-wheel electric		
Capacity	kg	1,500	1,750	2,000
Load center	mm	500		
Wheel base	mm	1,323	1,423	1,446
Turning radius	mm	1,515	1,615	1,648
Load distance: center of drive axle to fork	mm	376	376	381
Travel speed loaded/unloaded	km/h	17/17	17/17	17/17
Lift speed loaded/unloaded	mm/s	400/600	400/600	400/600
Lowering speed loaded/unloaded	mm/s	500/450	500/450	500/450
Max. gradeability (at 1.6km/h, loaded)	%	26	25	24
Max. drawbar pull (loaded)	N	12,749	12,749	12,749
Aisle width for pallets 1.000 X 1,200 crossways	mm	3,216	3,316	3,354
Aisle width for pallets 800 X 1.200 lengthways	mm	3,341	3,441	3,479
S/A Steering angle	°	90	90	90

	B16X-7 Plus	B18X-7 Plus	B20X-7 Plus	B25X-7 Plus	B30X-7 Plus	B35X-7 Plus
Classification	4-wheel electric					
Capacity	1,600	1,800	2,000	2,500	3,000	3,500
Load center	500					
Wheel base	1,495	1,495	1,495	1,589	1,734	1,750
Turning radius	1,886	1,886	1,886	1,950	2,095	2,155
Load distance: center of drive axle to fork	376	376	381	448	454	454
Travel speed loaded/unloaded	17/17	17/17	17/17	16/18	16/18	16/18
Lift speed loaded/unloaded	400/600	400/600	400/600	480/600	420/600	380/600
Lowering speed loaded/unloaded	500/450	500/450	500/450	490/460	490/460	500/460
Max. gradeability (at 1.6km/h, loaded)	26	25	24	25	22	20
Max. drawbar pull (loaded)	12,749	12,749	12,749	17,338	17,338	17,338
Aisle width for pallets 1.000 X 1,200 crossways	3,466	3,466	3,471	3,620	3,772	3,832
Aisle width for pallets 800 X 1.200 lengthways	3,662	3,662	3,667	3,799	3,950	4,010
S/A Steering angle	86	86	86	93	93	93

Standard Features and Options

SAFETY & STABILITY, GUARDIAN STABILITY SYSTEM (GSS)

Guardian Stability System (GSS)	
<ul style="list-style-type: none"> OSS (Operator Sensing System) Neutral position for start Hill start assist Curve control speed Low battery warning alarm Seat belt indicator Mast lowering interlock & tilt lock (ISO 3691) Decrease of travel speed (up to 50%) when the mast is raised above the primary stage 	
Easy entry grab bar	
Electro-magnetic automatic parking brake (EPB)	
Electric foot brake system (EFB)	
Mast sway & drive speed control	
LED lights	
Emergency stop switch	
Auto tilt leveling	
Fence light	
Panoramic mirror	
Additional options for GSS:	
<ul style="list-style-type: none"> Forward tilt is reduced by 2° when the mast is raised above the primary stage Alarm sounds when the mast is raised above the primary stage with the mast tilted more than 2° 	

ERGONOMICS

Large entry step with anti-slip pattern	
Large & angled floor plate (leg room) with rubber cushion	
Rounded design battery hood cover	
Easy to read instrument panel	
Adjustable tilt steering column & easy grip (Ø 280 size) steering wheel	
Hydraulic control lever with direction switch	
Large cup holder, usb port & 12V electric jack, clip board	
Additional accessory bar	
Reduced noise level	
Fingertip	
Rear grab bar with horn	
Newly improved adjustable seats	
Special height overhead guards	
Mono pedal	
Modular cabins	

- Standard features
- Options

PRODUCTIVITY

Full AC system chassis	
Rounded design counterweight	
86° (BX)/ 90° (BT) Steering angle	
Hydraulic cushioned valve in freelif cylinder (FFL & FFT)	
Battery lift/roll in and out system	
Cooling options : Fans & Fin type controller	

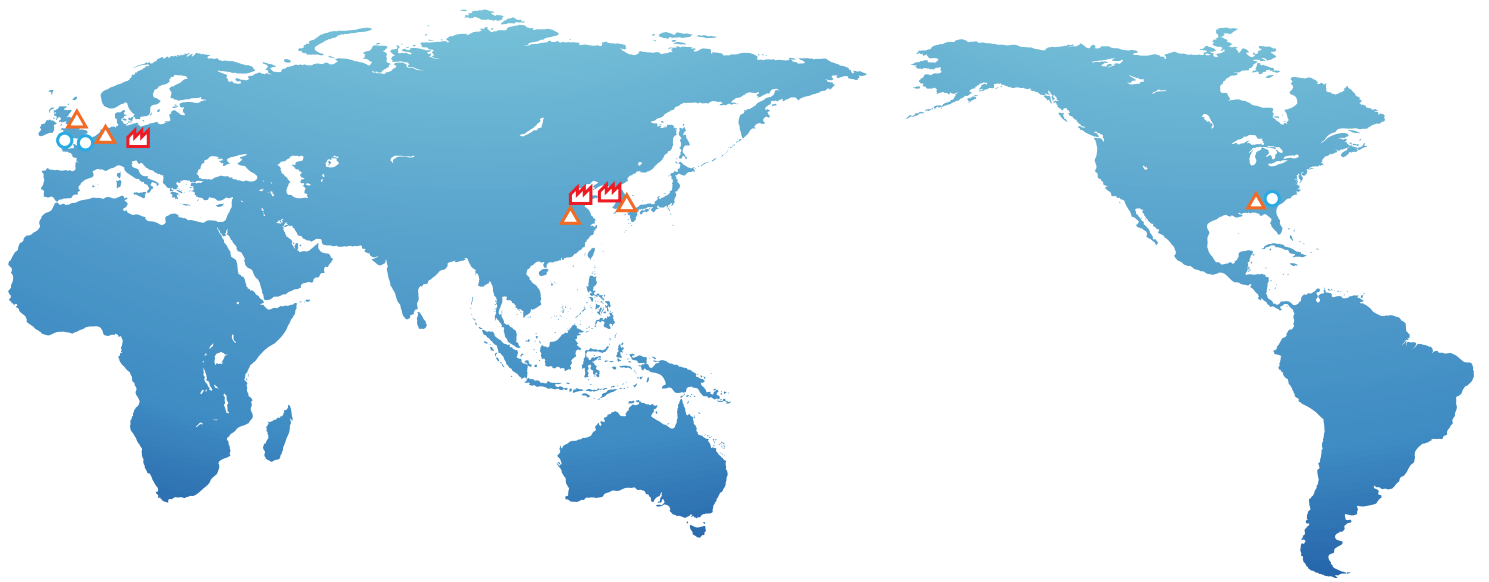
RELIABILITY




Robust frame structure & strong structure overhead guard	
IP65 Rated Curtis controller	
IP43 Rated PAL enclosed type motors	
Improved cooling performance	
Controller cover	
Belly plate	

SERVICEABILITY

Easy to access controller & motors room	
Wide open battery hood cover	
Durable heat-resisting (38"SQ) cables	
Tool-less side cover with air ventilation	
Easy View	

This list is based on factory data. Standard or optional can vary for specific countries.



-  Production Subsidiary
-  Sales Subsidiary
-  Parts Depot Center

B20TX-B25X-7 PLUS-221214V1EN (December 2022)

Authorized Dealer



Doosan Industrial Vehicle Europe B.V.
 Europark-Noord 36A
 9100 Sint-Niklaas
 Belgium

Website: www.doosaniv.com

