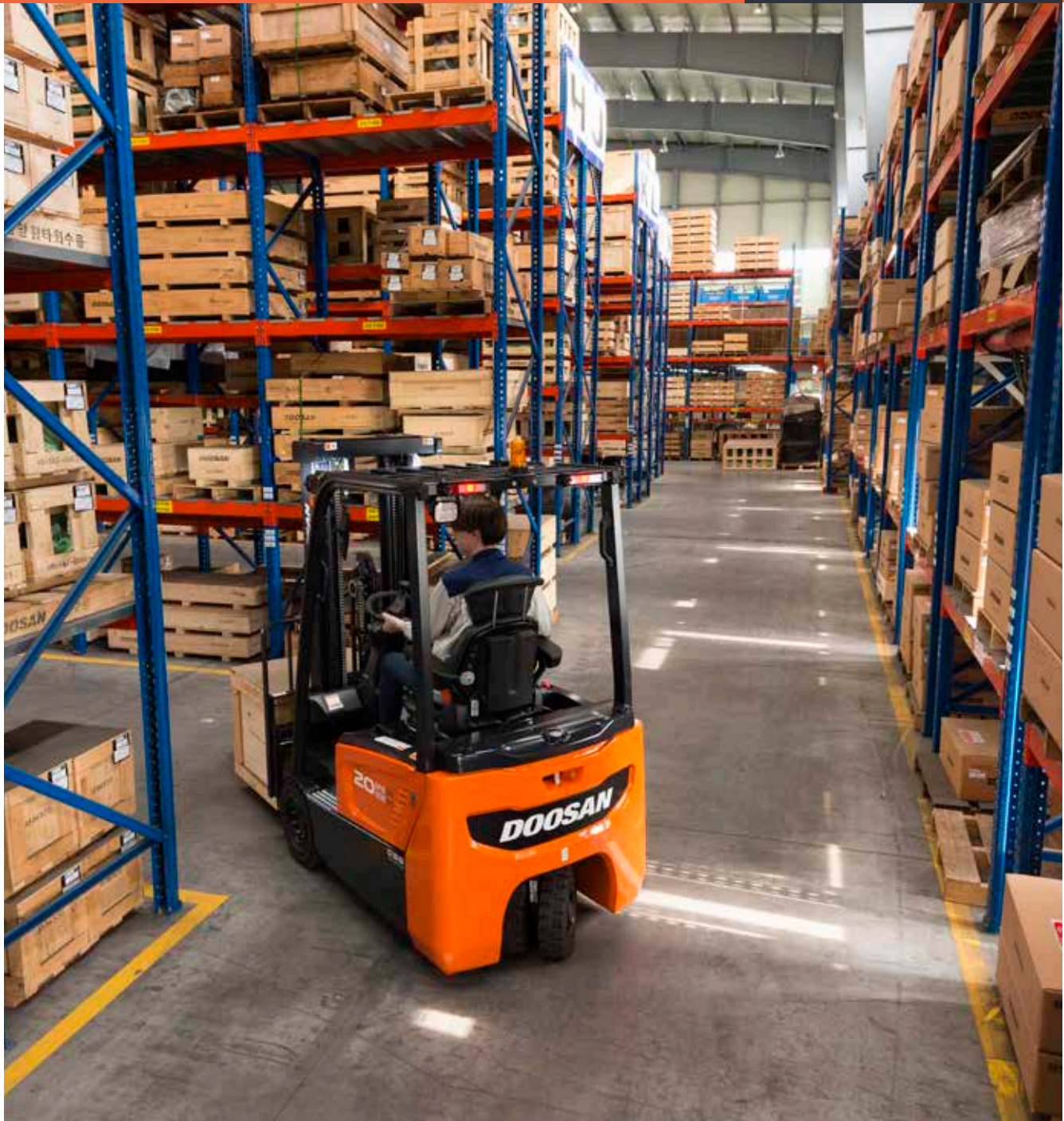




B15T-7 Plus / B18T-7 Plus / B20T-7 Plus
B16X-7 Plus / B18X-7 Plus / B20X-7 Plus
B25X-7 Plus / B30X-7 Plus / B35X-7 Plus

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 without physical switch 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).

* comparison with BT/BX 7-Series
-43% when tilting*
-43% when side shifting*



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.

NEW Adjustable seat **OPTION**

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.

Adjustable steering column

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



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.



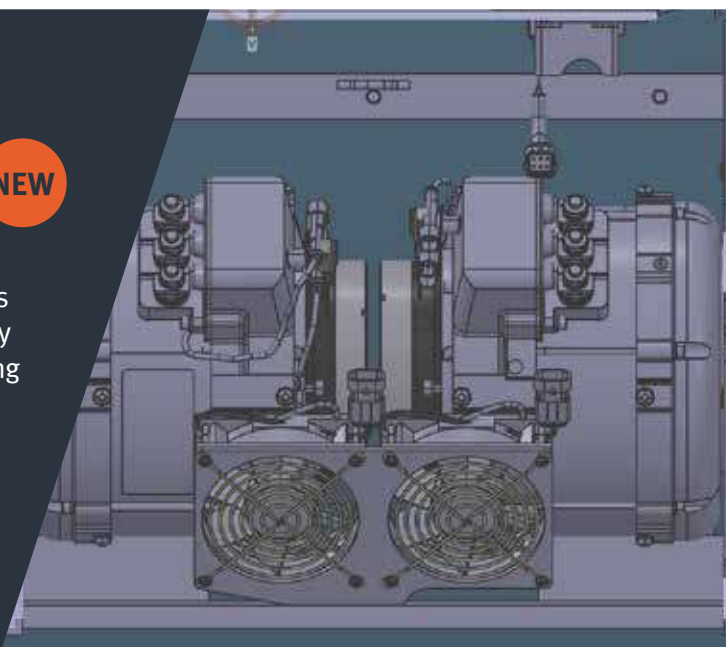
IP43 dust and water resistant drive and pump

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

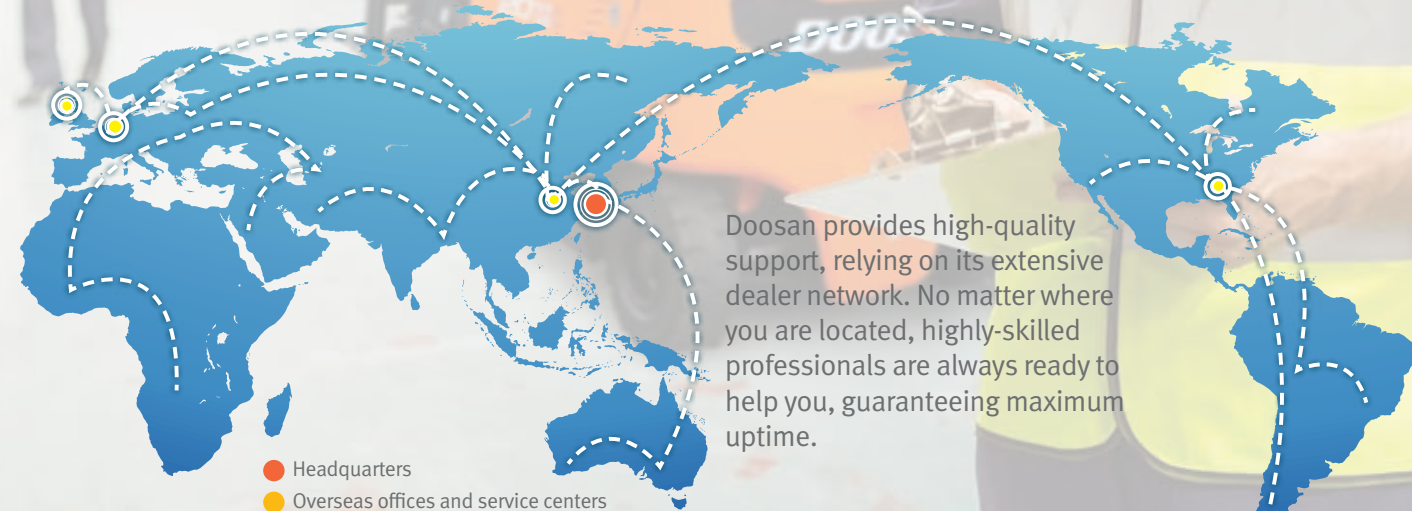


Cooling performance **NEW**

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



Worldwide service network



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 |
|--|------------------|-------------|-------------|-------------|-------------|-------------|
| | 4-wheel electric | | | | | |
| | 1,600 | 1,800 | 2,000 | 2,500 | 3,000 | 3,500 |
| | 500 | | | | | |
| | 1,495 | 1,495 | 1,495 | 1,589 | 1,734 | 1,750 |
| | 1,886 | 1,886 | 1,886 | 1,950 | 2,095 | 2,155 |
| | 376 | 376 | 381 | 448 | 454 | 454 |
| | 17/17 | 17/17 | 17/17 | 16/18 | 16/18 | 16/18 |
| | 400/600 | 400/600 | 400/600 | 480/600 | 420/600 | 380/600 |
| | 500/450 | 500/450 | 500/450 | 490/460 | 490/460 | 500/460 |
| | 26 | 25 | 24 | 25 | 22 | 20 |
| | 12,749 | 12,749 | 12,749 | 17,338 | 17,338 | 17,338 |
| | 3,466 | 3,466 | 3,471 | 3,620 | 3,772 | 3,832 |
| | 3,662 | 3,662 | 3,667 | 3,799 | 3,950 | 4,010 |
| | 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 | |

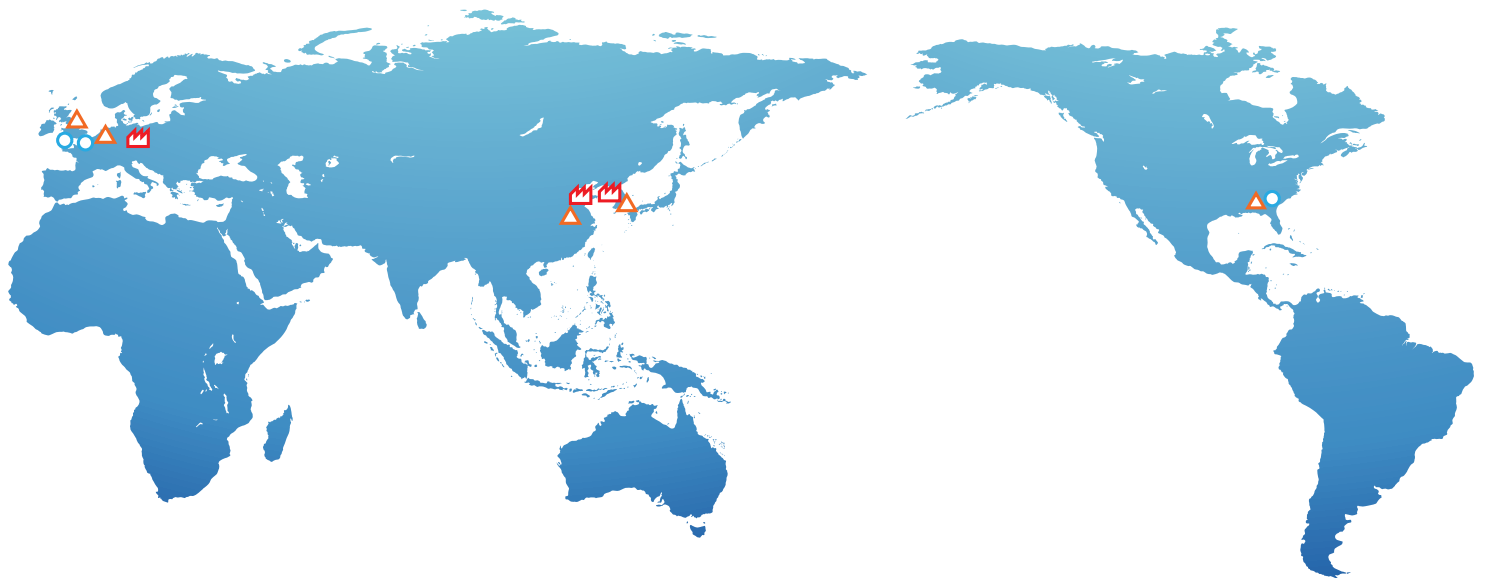
RELIABILITY




| | |
|--|--|
| 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-210726V1EN (July 2021)

Authorized Dealer



Doosan Industrial Vehicle Europe nv
Europark-Noord 36A
9100 Sint-Niklaas
Belgium
Tel.: +32 3 760 09 87
Fax: +32 3 760 09 89
Website: www.doosan-iv.eu

