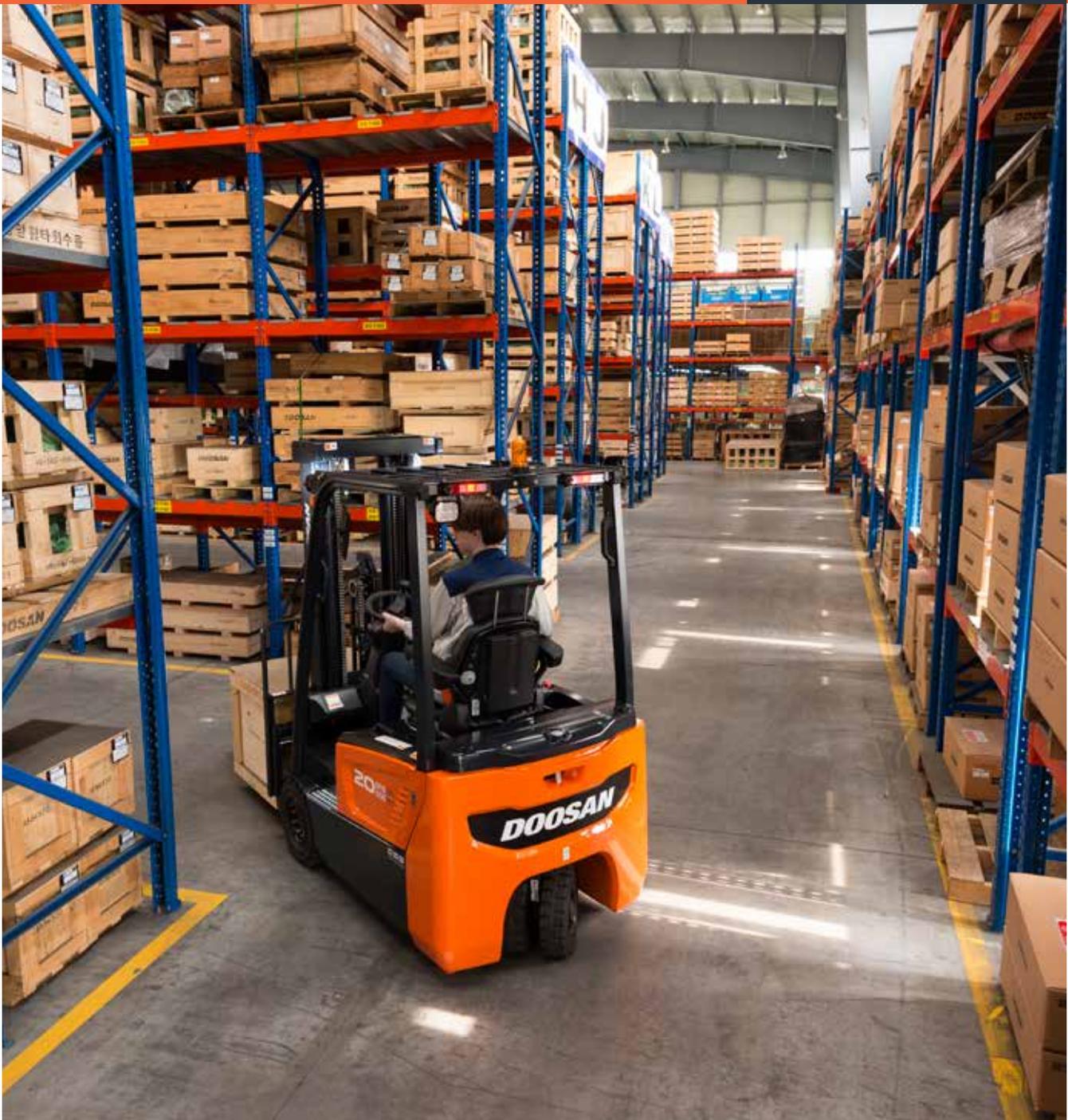




B15T-7 / B18T-7 / B18TL-7 / B20T-7 / B20TL-7
B16X-7 / B18X-7 / B20X-7
B25X-7/B25XL-7 / B30X-7 / B35X-7

7-SERIES FORKLIFTS

Electric 1.5 to 3.5 ton capacity 3 & 4 Wheel



Leading the way

The new world class 7-Series trucks from Doosan continue to follow the core Doosan tradition of delivering simple, powerful performance, whilst most of all, delivering the best possible value for our customers.

The specially designed ergonomic operator compartment keeps the operator in complete control at all times, improving productivity and reducing stress and fatigue.

The 7-Series offers improved visibility and the latest design in ergonomic hydraulic controls. Thanks to an improved durable design and an additional stability system, Doosan's new 7-Series electric trucks exceed the highest demands for a safe operation.

Extended maintenance intervals and advanced technology components reduce the overall maintenance cost of maintenance. The newest in AC control systems provide an unbeatable combination of power, performance and reliability. Each parameter is fully adjustable to match every individual requirement perfectly, providing maximum control and accuracy for every function.

“ Higher lifting and travel speed enables me to reach optimal efficiency in my job ”

- PRODUCTIVITY
- Efficient performance
 - Tight turning radius
 - Optimized steering angle
 - Excellent visibility



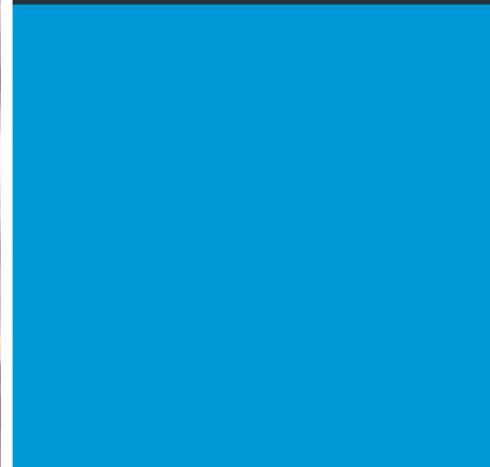
“ The robustness of the Doosan truck ensures that even the toughest of jobs gets done ”

- SAFETY
- Auto parking brake
 - Unlimited ramp hold
 - Guardian Stability System (GSS)



“ The Doosan service support network has never let me down ”

- SERVICEABILITY
- Doosan service network coverage
 - Quick service response
 - Easy to fix design



7-Series Electric Forklifts

De 7-Series elektrische heftrucks bieden een groot vermogen, uitstekende prestaties, verbeterde veiligheid, rijcomfort, uitstekende service en betrouwbaarheid.

MAXIMUM PRODUCTIVITY

- The smallest turning radius
- High visibility design
- Battery changing system

SAFETY

- Large panoramic mirror
- LED lights
- Safety light
- Rear grab handle with horn
- Emergency switch
- Guardian Stability System (GSS):
 - Turtle mode
 - Brake oil level indicator
 - Unlimited ramp hold
 - Low battery alarm
 - Mast Lowering Inter-Lock & Tilt Lock (ISO3691)
 - Operator sensing system (OSS)
 - Automatic speed control



OPTIMAL ERGONOMICS

- Finger tip controls
- Adjustable steering column
- Adjustable seat

GREAT SERVICEABILITY

- Worldwide service network
- Doosan genuine parts
- Easy to access controller room
- Easy View

EXCELLENT RELIABILITY

- Reliable operation
- ODB - Oil cooled disc brakes
- IP 43 motor

DOOSAN IS THE PARTNER YOU CAN COUNT ON



Maximum Productivity



“Boost your productivity with Doosan”

The smallest turning radius
Enhancing productivity in tight spaces.

Optimized Steering Angle
The optimized steering angle reduces the turning radius significantly, which allows to design the most efficient warehouse lay-out.



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.



Battery changing system

The battery changing system makes it easier and faster to exchange the battery. This allows multi-shift operation.

Maximize your productivity

The B20TL-7 and B25XL-7 have a longer chassis, which gives the opportunity to place a larger battery in the truck. These batteries have a bigger capacity, up to 775 Ah, which extends the autonomy significantly.



Safety features



“Doosan takes safety to the next level”



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 safely manoeuvring in delicate operating situations.



Brake oil level indicator

When the level in the brake oil reservoir is lower than minimum level, the low brake oil level indicator in the instrument panel will flash to instruct the operator to add brake oil.



Unlimited ramp hold (Auto parking brake)

The electro-magnetic auto parking brake (EPB) prevents the forklift from rolling back if the truck is stopped on a slope. Operators can dismount the truck easily without braking.



Low battery alarm

Lifting will be disabled when the battery is discharged to 20% during operation. This function protects the battery from damage and prevents sudden loss of power due to a dead battery.



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.



Automatic Speed Control

The angle sensing information controls the travel speed when turning sharply. It automatically reduces the travel speed to the optimal speed when cornering, reducing the risk of accidents or damage.



Operator Sensing System (OSS)

Whenever the operator leaves the seat, the truck travel and mast lifting functions will stop. This systems avoids any unintended forklift movements when the operator is not seated.

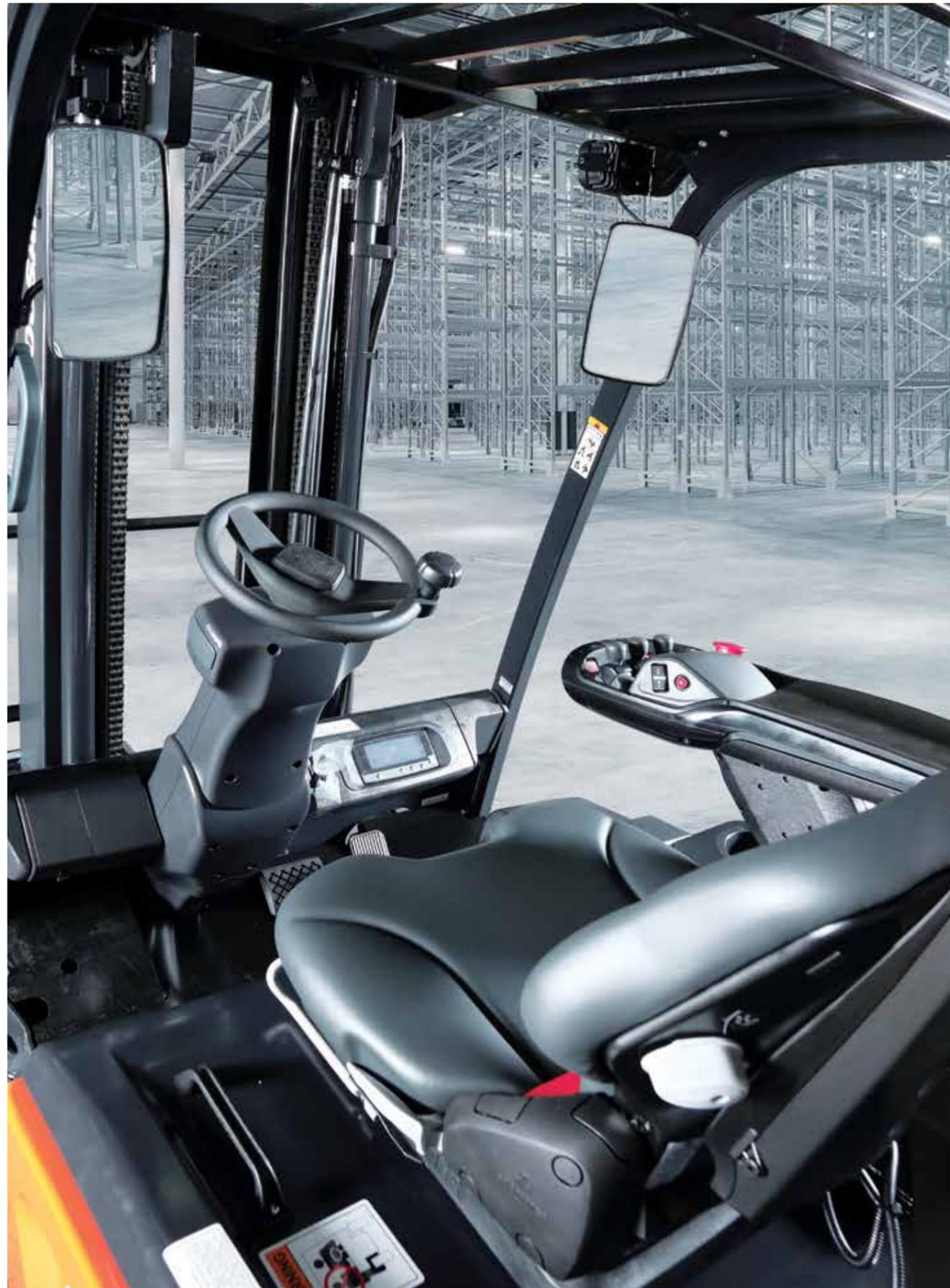


GSS (Guardian Stability System)



1. Decrease of travel speed (up to 50%) when the mast is raised above the primary stage
2. Forward tilt is reduced by 2 degrees when the mast is raised above the primary stage
3. Alarm sounds when the mast is raised above the primary stage with the mast tilted more than 2 degrees

Safety & Optimal ergonomics



Safety



LED lights (optional)

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



Safety light (optional)

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



Rear grab bar with horn (optional)

Enhances safety, comfort and convenience when traveling in reverse.



Emergency switch (optional)

The operator can push the emergency switch with one hand on the steering wheel quickly.



Large panoramic mirror (optional)

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

“ Infinite adjustability, optimized controllability and exceptional reliability makes the new Doosan 7-Series, the operator’s first choice.”

Ergonomics



Finger tip controls (optional)

Fast, precise and infinitely controllable fingertip control makes the 7-series effortless and efficient.



Adjustable seat (optional)

The comfortable suspension seat is fully adjustable to accommodate every individual preference.



Adjustable steering column

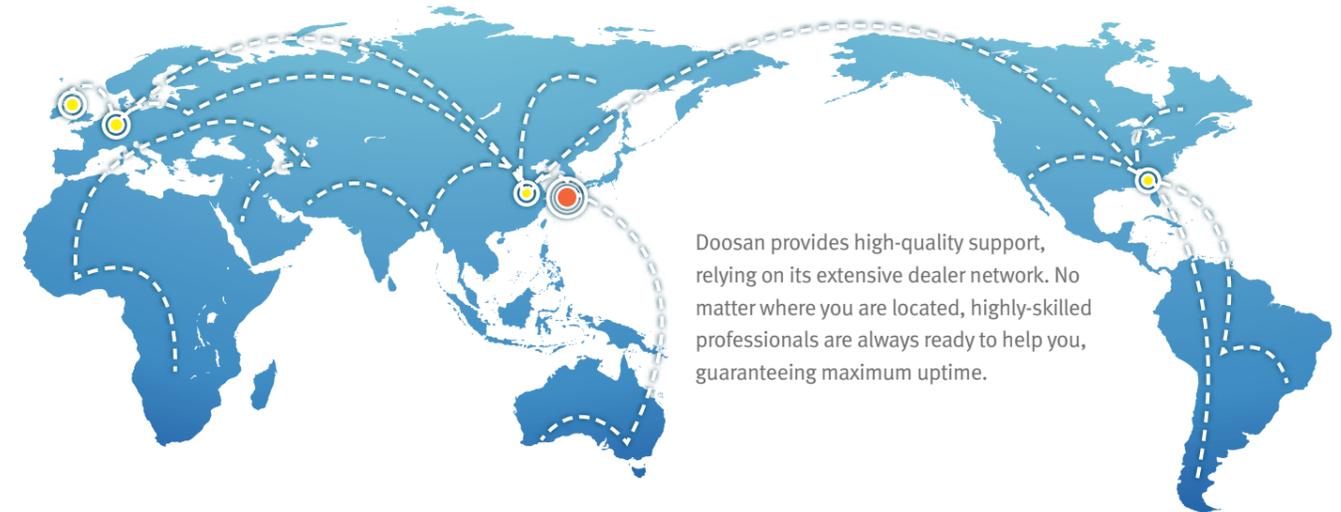
The operator can change the stepless adjustable column to the best position that provides convenience and comfort.

Great serviceability & Excellent reliability



Worldwide service network

- Headquarters
- Overseas offices and service centers

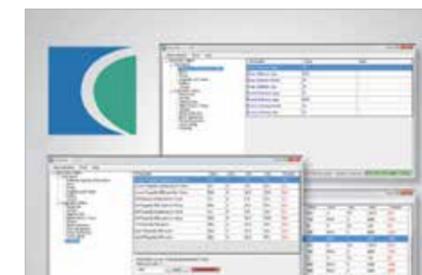


Doosan provides high-quality support, relying on its extensive dealer network. No matter where you are located, highly-skilled professionals are always ready to help you, guaranteeing maximum uptime.



Easily accessible controller room

No need to open the hood to access the controller to change settings or connecting the diagnostics tool.



Easy View

You only need a laptop to adjust the forklift parameters. There is no need for any special tools.



Doosan Genuine Parts

The parts warehouse, supplies high quality Doosan parts to your local dealer.



IP43 dust and water protection Drive and Pump

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



Reliable Operation

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

Oil cooled Disk Brake

There are 3 to 5 double sided discs per wheel. Discs are submerged in oil, keeping them cool and limiting wear. The Doosan ODB system is completely enclosed and sealed from outside contaminants protecting the inner workings of the brake system from dirt, water, shrink wrap and broken pallets. Oil cooled disc brakes have a 5 times longer service interval than conventional shoe brakes, and are virtually maintenance free.



LIFTING YOUR DREAMS



Main Specifications

MAJOR SPECIFICATION		B15T-7	B18T-7	B18TL	B20T-7	B20TL-7
Classification		3 Wheel Electric				
Capacity	kg	1500	1750	1750	2000	2000
Load center	mm	500				
Wheel base	mm	1323	1423	1554	1446	1554
Turning radius	mm	1515	1615	1756	1648	1756
Load Distance: Center of Drive axle to fork	mm	376	376	376	381	381
Travel speed loaded/unloaded	km/h	17/17	17/17	17/17	17/17	17/17
Lift speed loaded/unloaded	m/s	0,4/0,6	0,4/0,6	0,4/0,6	0,4/0,6	0,4/0,6
Lowering speed loaded/unloaded	m/s	0,5/0,45	0,5/0,45	0,5/0,45	0,5/0,45	0,5/0,45
Max. Gradeability(at 1.6km/h, Loaded)	%	26	25	25	24	24
Max. Drawbar pull(Loaded)	N	12748	12748	12748	12748	12748
Right angle stacking aisle width : 1000 x 1200	mm	3216	3316	3457	3354	3462
Right angle stacking aisle width : 800 x 1200	mm	3341	3441	3582	3479	3587
S/A Steering angle	deg.	90	90	90	90	90

	B16X-7	B18X-7	B20X-7	B22X-7	B25X-7	B25XL-7	B30X-7	B35X-7
Classification	4 Wheel Electric							
Capacity	1600	1800	2000	2200	2500	2500	3000	3500
Load center	500							
Wheel base	1495	1495	1495	1589	1589	1734	1734	1750
Turning radius	1886	1886	1886	1950	1950	2095	2095	2155
Load Distance: Center of Drive axle to fork	376	376	381	448	448	448	454	454
Travel speed loaded/unloaded	17/17	17/17	17/17	16/18	16/18	16/18	16/18	16/18
Lift speed loaded/unloaded	0,4/0,6	0,4/0,6	0,4/0,6	0,5/0,6	0,48/0,6	0,48/0,6	0,42/0,6	0,38/0,6
Lowering speed loaded/unloaded	0,5/0,45	0,5/0,45	0,5/0,45	0,49/0,46	0,49/0,46	0,49/0,46	0,49/0,46	0,5/0,46
Max. Gradeability(at 1.6km/h, Loaded)	26	25	24	27	25	25	22	20
Max. Drawbar pull(Loaded)	12748	12748	12748	17338	17338	17338	17338	17338
Right angle stacking aisle width : 1000 x 1200	3466	3466	3471	3620	3620	3766	3772	3810
Right angle stacking aisle width : 800 x 1200	3655	3655	3670	3799	3799	3944	3950	4010
S/A Steering angle	86	86	86	93	93	93	93	93

Standard Features and Options

SAFETY & STABILITY, GUARDIAN STABILITY SYSTEM (GSS)

Guardian Stability System (GSS)	Standard features
<ul style="list-style-type: none"> OSS (Operator Sensing System) Neutral position for start Unlimited Ramp hold Automatic Speed Control Low Battery Warning Alarm Brake Oil & Seat Belt Indicator Mast Lowering Inter-Lock & Tilt Lock (ISO 3691) 	Standard features
Easy Entry Grab Bar	Options
Emergency stop switch	Options
Auto Tilt Leveling	Options
Rear Grab Bar with Horn	Options
LED Lights	Options
Panoramic Mirror	Options
Additional options for GSS:	Options
<ul style="list-style-type: none"> Decrease of travel speed (up to 50%) when the mast is raised above the primary stage Forward tilt is reduced by 2 degrees 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 degrees 	Options

OPERATOR COMFORT (ERGONOMICS)

Large entry step with anti-slip pattern	Standard features
Large & angled floor plate (leg room) with rubber cushion	Standard features
Rounded design battery hood cover	Standard features
Easy to read instrument panel	Standard features
Adjustable tilt steering column & easy grip (Ø 280 size) steering wheel	Standard features
Hydraulic control lever with direction switch	Standard features
Large cup holder, usb port & 12v electric jack, clip board	Options
New Fingertip control	Options
Steering Wheel with Knob	Options
Premium seats : Grammer msg65 series	Options
Special height overhead guards	Options
Mono pedal	Options
Modular cabins	Options

Standard features

Options

PRODUCTIVITY

Full ac system chassis	Standard features
Rounded design counterweight	Standard features
86° (BX) / 90° (BT) Steering angle	Standard features
Electro-magnetic automatic parking brake (EPB)	Standard features
Hydraulic cushioned valve in freelif cylinder (FFL & FFT)	Standard features
Battery lift/roll in and out system	Options
Cooling options : Fans & Fin type controller	Options

RELIABILITY

Robust frame structure & strong structure overhead guard	Standard features
Oil-cooled disc brakes (ODB)	Standard features
IP65 Rated Curtis controller	Standard features
IP43 Rated PAL enclosed type motors	Standard features
Easy to access controller & motors room	Options
Wide open battery hood cover	Options
Durable heat-resisting (38"SQ) cables	Options
Tool-less side cover with air ventilation	Options

SERVICEABILITY

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



-  Production Subsidiary
-  Sales Subsidiary
-  Parts Depot Center

B20TX-B25X-7-180723v2EN (July 2018)

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

