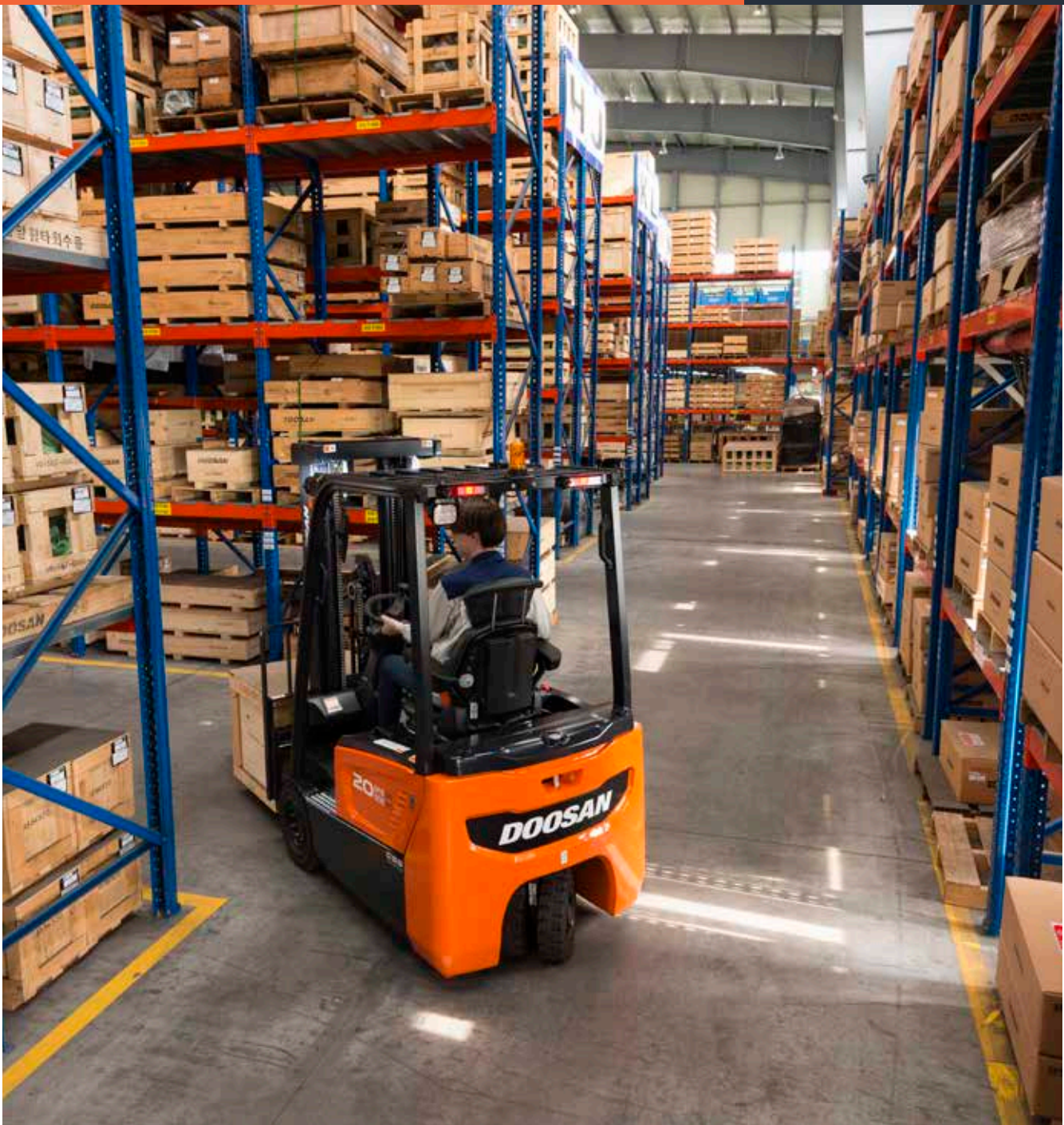




B15T-7 / B18T-7 / B18TL-7 / B20T-7 / B20TL-7  
B16X-7 / B18X-7 / B20X-7  
B25X-7/B25XL-7 / B30X-7 / B35X-7

## 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.

“  
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 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.



“  
 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

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

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 PARTN



# EVER YOU CAN COUNT ON

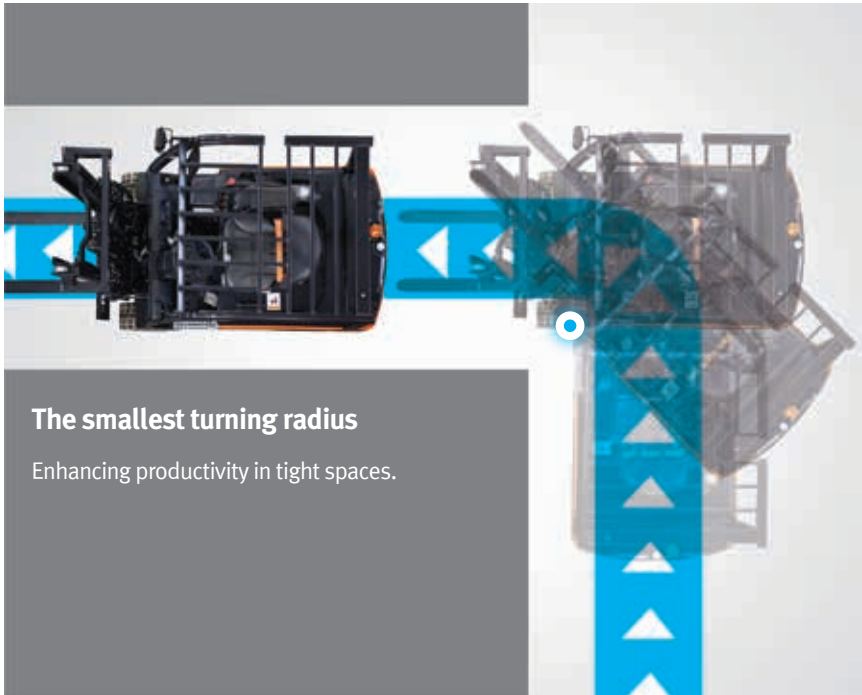


# Maximum Productivity





# “ 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 instrumental 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.

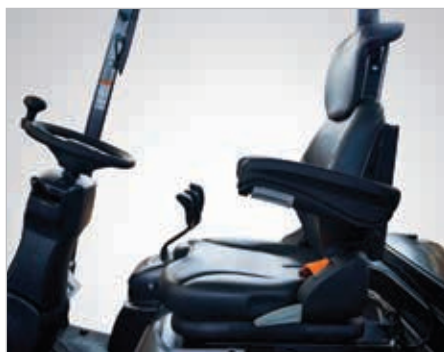
“ Infinite adjustability, optimized controllability and exceptional reliability makes the new Doosan 7-Series, the operator’s first choice. ”

## Ergonomics



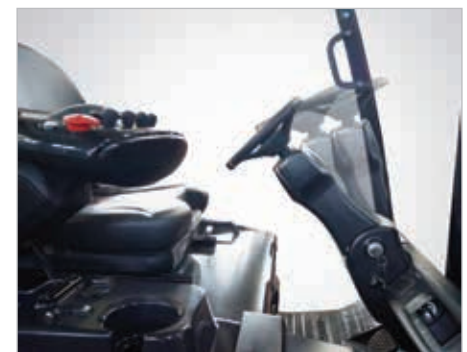
### Finger tip controls (optional)

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

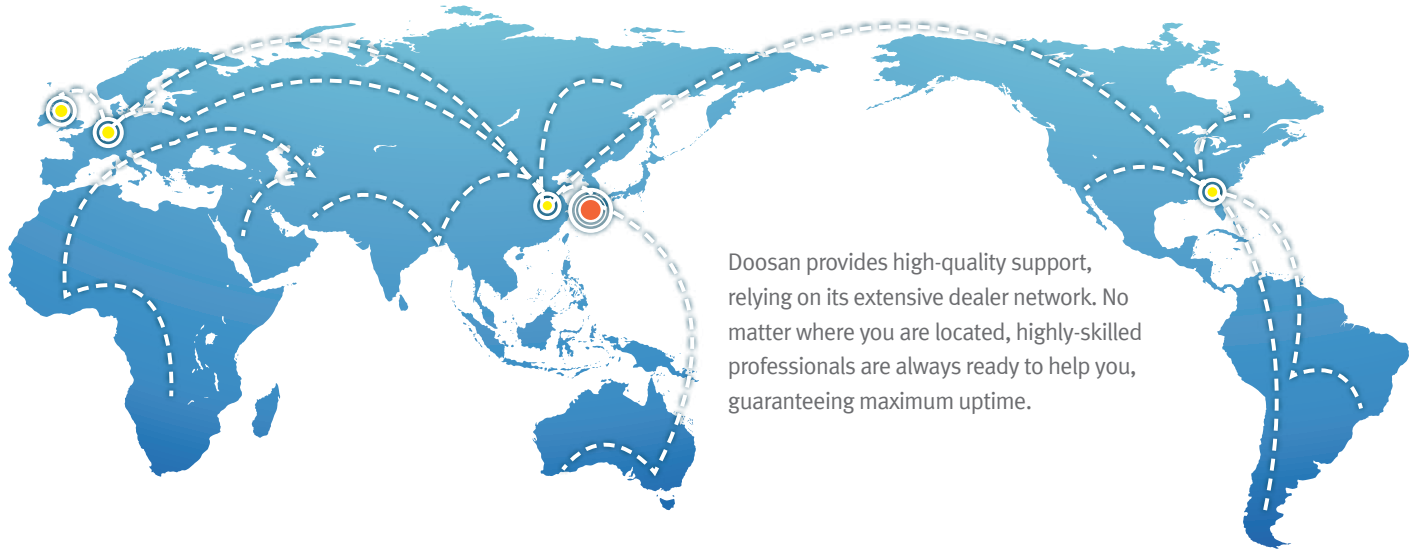
The operator can change the stepless adjustable column to the best position that provides convenience and comfort.

## 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

# Standard Features and Options

## SAFETY & STABILITY, GUARDIAN STABILITY SYSTEM (GSS)

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

## OPERATOR COMFORT (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	
New Fingertip control	
Steering Wheel with Knob	
Premium seats : Grammer msg65 series	
Special height overhead guards	
Mono pedal	
Modular cabins	

- Standard features
- Options

B16X-7	B18X-7	B20X-7	B22X-7	B25X-7	B25XL-7	B30X-7	B35X-7
4 Wheel Electric							
1600	1800	2000	2200	2500	2500	3000	3500
500							
1495	1495	1495	1589	1589	1734	1734	1750
1886	1886	1886	1950	1950	2095	2095	2155
376	376	381	448	448	448	454	454
17/17	17/17	17/17	16/18	16/18	16/18	16/18	16/18
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
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
26	25	24	27	25	25	22	20
12748	12748	12748	17338	17338	17338	17338	17338
3466	3466	3471	3620	3620	3766	3772	3810
3655	3655	3670	3799	3799	3944	3950	4010
86	86	86	93	93	93	93	93

#### PRODUCTIVITY

Full ac system chassis	
Rounded design counterweight	
86° (BX) / 90° (BT) Steering angle	
Electro-magnetic automatic parking brake (EPB)	
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	
Oil-cooled disc brakes (ODB)	
IP65 Rated Curtis controller	
IP43 Rated PAL enclosed type motors	

#### 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	

\* 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



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