

**DOOSAN**

B40X-7 / B45X-7 / B50XC-7 / B50X-7

## 7-SERIES FORKLIFTS

**Electric 4.0 to 5.0 tonne capacity    4-wheel**



## Features overview

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

### MAXIMUM PRODUCTIVITY

- Excellent visibility
- Smooth and responsive acceleration
- Direction switch on hydraulic control lever

### SAFETY

- Anti roll back
- Automatic speed control
- ISO3691 Hydraulic locking
- Operator sensing system (OSS)
- Emergency switch
- LED lights
- Large panoramic mirror
- Turtle mode

### OPTIMAL ERGONOMICS

- Easy and instinctive display
- Convenience tray
- Compact steering wheel
- Adjustable seat
- Adjustable steering column



### EXCELLENT RELIABILITY

- Reliable AC controller
- Rugged and durable twin drive axle
- ODB - Oil cooled disc brakes
- IP43 rated drive & pump motors
- Water and dust proof for outdoor use

### GREAT SERVICEABILITY

- Worldwide service network
- Doosan genuine parts
- Easy to access controller room and electric parts
- Easy view

## Maximum Productivity



### 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.



### SARIO

The battery changing system reduces the required time to change a battery to an absolute minimum, which shortens the down time of your truck significantly.



### Hydraulic lever with directional switch OPTION

The direction switch is located on the lift lever, which makes it easier for the operator to quickly change between forward and backward driving direction.



### Finger tip controls OPTION

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



### Productive acceleration & braking

The productive acceleration and braking gives the operator maximum safety and convenience. When starting the truck, the initial acceleration is reduced for safe & comfortable movement. The acceleration increases when driving at mid & high-speed for a more productive operation. An ergonomically positioned brake decreases the braking pedal effort.

# Safety



image can include optional equipment

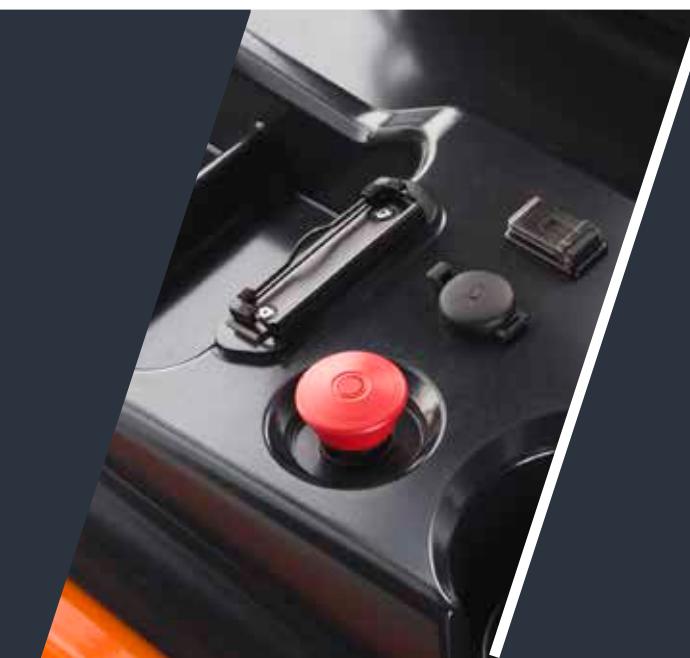
## Mast lowering interlock & tilt lock (ISO3691)

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.



## Emergency switch

The emergency switch can be reached easily when operating the truck.



## LED lights OPTION

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



## 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.



## Panoramic mirror OPTION

Provides the operator with a clear view of the rear working area, contributing to safety and efficiency.



## OSS (Operator Sensing System)

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.



## Anti roll back

The controller prevents the forklift from rolling back for 5 seconds when the truck is stopped on a slope.



## 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.

## Optimal Ergonomics



### Easy and instinctive instrument panel

Operators can control the truck's performance settings during operation, simply by navigating the instrument panel.

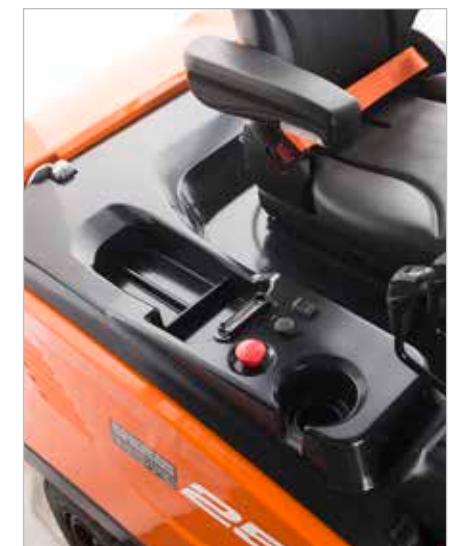


### Easy entry grab bar and anti slip step plate

Enables easy entry and exit. The wide anti-slip step plate ensures the operator's safety in all weather conditions.

### Spacious operator leg room

The thick and large rubber floor mat & the rounded hood offer comfort to the operator's compartment.



### Convenience tray

The convenience tray was conceived by adopting combinations of new and old favorites to give the best operator experience. Some of the features include: a large cup holder, a USB port, 12V power outlet, and a clipboard holder.



## **Excellent reliability**



## **Reliable AC controller**

Curtis AC controllers provide an unbeatable combination of power, performance and functionality. The IP65 rated controller is very reliable and well proven in tough applications.



**Rugged and durable twin drive axle**

Twin drive axle is controlled by an integrated drive controller. The twin drive axle effectively transfers the power and torque of the drive motor to the final drive for both smooth and quite operation.



## **IP43 dust and water protection drive and pump motor**

Maintenance free electric motors by eliminating motor brushes and commutators. The new sealed motors are rated to IP43.

**Oil cooled disc brakes**

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.



The 7-Series provide smooth and durable operation in various applications. With the reliable AC controller and the optimised design, Doosan's new machine operates very efficiently.



image can include optional equipment

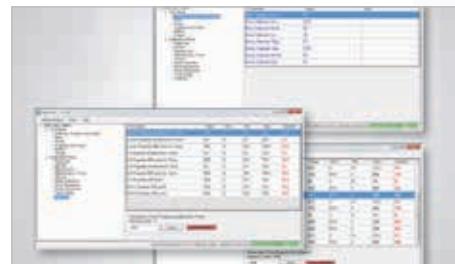
## Great serviceability

### Worldwide service network

- Head quarter
- 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.



### Easy view

Simply by connecting the laptop to the forklift, a technician can adjust all the parameters to the operator's wishes. Service can happen easy and fast.

### Doosan genuine parts

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



### Easy accessible controller room

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



### Brake oil indicator

Check the brake oil level and the display warning indicator on the instrument panel. The reservoir can be accessed easily.



## Main Specifications

### MAJOR SPECIFICATION

		B40X-7
Load capacity/rated load	kg	4,000
Load centre distance	mm	500
Load distance, centre of drive axle to fork	mm	572
Wheelbase	mm	2,000
Aisle width for pallets 1,000 x 1,200 crossways	mm	4,392
Aisle width for pallets 800 x 1,200 lengthways	mm	4,592
Turning radius	mm	2,620
Travel speed, loaded / unloaded	km/h	15 / 16
Lift speed, loaded / unloaded	m/s	0.33 / 0.47
Lowering speed, loaded / unloaded	m/sec	0.48 / 0.45
Maximum drawbar pull, loaded / unloaded, 5 minute rating	N	18,620 / 18,620
Maximum gradeability, loaded / unloaded, 5 minute rating	%	17 / 27
Battery voltage/nominal capacity K5	V/Ah	80 / 720

	B45X-7	B50XC-7	B50X-7
	4,500	4,990	5,000
	500	500	500
	572	572	572
	2,000	2,000	2,000
	4,392	4,417	4,417
	4,592	4,617	4,617
	2,620	2,645	2,645
	15 / 16	15 / 16	15 / 16
	0.33 / 0.47	0.31 / 0.47	0.31 / 0.47
	0.48 / 0.45	0.48 / 0.45	0.48 / 0.45
	18,620 / 18,620	18,620 / 18,620	18,620 / 18,620
	16 / 26	15 / 25	15 / 25
	80 / 720	80 / 720	80 / 720

## Standard Features and Optional Extras

### SAFETY & STABILITY

Operator Sensing System (OSS)	
Anti roll back	
Low battery warning alarm	
Mast lowering interlock & tilt lock (ISO 3691)	
Emergency stop switch	
Automatic speed control	
Easy entry grab bar	
Large entry step with anti-slip pattern	
Panoramic mirror	
LED Lights	

### OPERATOR COMFORT (ERGONOMICS)

Large & angled floor plate (leg room) with rubber mat	
Rounded design battery hood cover	
Easy to read instrument panel	
Adjustable tilt steering column & easy grip (Φ280 size) steering wheel	
Large cup holder, usb port & 12V electric jack, clip board	
Steering wheel knob	
Low overhead guard	
Mono pedal	
Premium seats : Grammer seat	

### PRODUCTIVITY

Excellent visibility through mast	
Rounded design counterweight	
Hydraulic cushioned valve in secondary cylinder (FFL & FFT)	
Smooth and responsive acceleration	
Fingertip controls	
Battery Side Lift In and Out	
Battery Roll In and Out	
Auto tilt leveling	
Direction switch on main control valve	

### RELIABILITY

Full AC system chassis	
IP65 Rated curtis controller	
Robust frame structure & strong structure overhead guard	
Oil-cooled disc brakes (ODB)	
IP43 rated drive & pump motors	
IP54 rated drive & pump motors	

### SERVICEABILITY

Easy to access controller	
Wide open battery hood cover	
Toolless side cover	

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



- Production Subsidiary
- Sales Subsidiary
- ▲ Parts Depot Center

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Authorized Dealer