

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



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.



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.



Finger tip controls **OPTION**

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

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.



SRIO/SLIO

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.



Safety



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.

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.



image can include optional equipment

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.



Small steering wheel

The steering wheel has a compact design that reduces operator fatigue.

Premium seat **OPTION**

The full suspension comfort seat is fully adjustable to accommodate every individual preference. Additional heating system is also available for better operator convenience.

Steering wheel providing fore-/backwards adjustment

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 quiet 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.

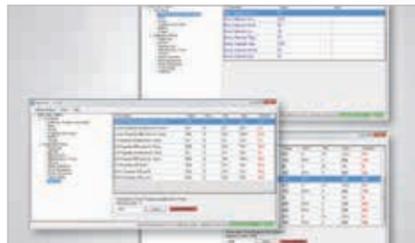
Great serviceability

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.



Wide open hood cover with locking type gas spring

Easy to access electric components

Toolless side panel

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
Load capacity/rated load	4,500	4,990	5,000
Load centre distance	500	500	500
Load distance, centre of drive axle to fork	572	572	572
Wheelbase	2,000	2,000	2,000
Aisle width for pallets 1,000 x 1,200 crossways	4,392	4,417	4,417
Aisle width for pallets 800 x 1,200 lengthways	4,592	4,617	4,617
Turning radius	2,620	2,645	2,645
Travel speed, loaded / unloaded	15 / 16	15 / 16	15 / 16
Lift speed, loaded / unloaded	0.33 / 0.47	0.31 / 0.47	0.31 / 0.47
Lowering speed, loaded / unloaded	0.48 / 0.45	0.48 / 0.45	0.48 / 0.45
Maximum drawbar pull, loaded / unloaded, 5 minute rating	18,620 / 18,620	18,620 / 18,620	18,620 / 18,620
Maximum gradeability, loaded / unloaded, 5 minute rating	16 / 26	15 / 25	15 / 25
Battery voltage/nominal capacity K5	80 / 720	80 / 720	80 / 720

Standard Features and Optional Extras

SAFETY & STABILITY

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

OPERATOR COMFORT (ERGONOMICS)

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

PRODUCTIVITY

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

RELIABILITY

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

SERVICEABILITY

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

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

Standard features
Optional extras



-  Production Subsidiary
-  Sales Subsidiary
-  Parts Depot Center



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

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Authorized Dealer