

B22X/25X/30X/35X-7  
B40X/B45X/B50X-7



## 7 SERIES FORKLIFTS

80 Volt Electric Forklifts

4,500 lb. to 10,000 lb. Capacity



# Product Features Overview

Peace of Mind

## Operator's Compartment

The operator's compartment is ergonomically designed to maximize comfort and convenience.

## Three-Point Entry

An anti-slip step plate, OHG-mounted grab handle and arm rest combine to increase operator safety when entering or exiting truck.

## Ergonomic Pedal System

The new electronic accelerator pedal provides the operator with safe and precise speed control while reducing fatigue.

## Cloth or Vinyl Suspension Seat

Spacious and fully adjustable for ultimate comfort.

## Large, Intuitive Instrument Panel

Easy-to-monitor critical systems at a glance.

## Emergency Shut-Off

Conveniently located for quick shut-down of truck functions in case of emergency.

## Doosan Operator Sensing System (OSS)

Automatically shuts down hydraulics and travel should the operator leave the seat.

## Doosan Guardian Stability System (GSS)

- Decreases travel speed (50%) when mast is raised beyond the primary stage
- Forward tilt is reduced 2° when the mast is raised beyond the primary stage
- Alarm will sound when mast is raised above the primary stage with mast tilted beyond 2°
- An angle sensor controls travel speed in sharp turns

## Turtle Mode

Limits travel speed and acceleration without limiting lift speed while working in close confines. Reduces battery consumption and increases safety.





### **Dust and Water Protection**

IP65 controller and IP43 motors wiring and connectors are sealed, preventing the penetration of dust/particle and moisture/water from the outside.

### **Rugged and Durable Twin Drive Units**

Twin drive units are directed by an integrated drive controller for effective transfer of power and torque resulting in smooth, quiet operation.

### **Reliable AC Controller**

AC controllers provide an unbeatable combination of power, performance and functionality.

### **AC Motor**

Our innovative AC technology of drive and hydraulic motors eliminates motor brushes and commutator reducing maintenance and lowering overall operating cost.

### **Thermal Protection**

Reduces power to controller and motors should their temperatures rise beyond safety limits.

### **Wider View Mast – FFT**

Improved forward vision (through mast) by 12% over previous models.

### **Battery Discharge Indicator**

Notifies the operator of the status of battery charge and limits lifting when the battery is at 80% discharge.

### **Easy Access to Maintenance Items**

Wide-opening engine cowlings makes maintenance and safety checks a breeze.

### **5-Year/10,000 Hour OCDB Brake Warranty**

Doosan's exclusive Oil Cooled Disc Brakes (OCDB) last five times longer than conventional shoe brakes, and are virtually maintenance free.

# Safety

First and Always



## Anti-Slip Step & Entry Grab Bar

Anti-slip steps and entry grab bars help operators to easily get on or off the truck



## Emergency Switch

The operator can push the emergency shut-off switch quickly while keeping one hand on the steering wheel



## Clear Forward View

The precision designed overhead guard profile, with angled roof bars, provides a clear view upwards while adding increased strength for safety



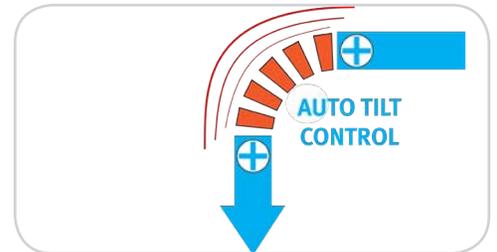
## Unlimited Ramp Hold\*

The electromagnetic parking brake prevents the forklift from rolling back when stopped on a slope  
(\*B22X/B25S/B30X/B35X Models Only)

## Doosan Guardian Stability System (GSS)

The BX-7 Series offers the Guardian Stability System (GSS), an advanced safety feature providing:

- Automatic Speed Control
- Auto Tilt Control
- Forward Tilt Reduction when mast is raised above primary stage
- Sounds an alarm when mast is raised beyond primary stage if the tilt is already beyond 2°



## Doosan Operator Sensing System (OSS)

When the operator leaves the seat, the truck travel and hydraulic functions stop. This system helps prevent unintended forklift movements during operator absence.



## Mast Lowering Inter-lock & Tilt lock (ISO3691) Hydraulic Locking Feature (OSS Feature)

Part of the OSS, the hydraulic locking system prevents natural lowering and tilting, which safeguards the forklift and the load, if the operator leaves the truck.



## Turtle Mode

This mode ensures slower travel in busy operations and high pedestrian work zones

Operators work best when they are comfortable and safe. From the fully adjustable seat and steering column to the Operator Sensing System, the Doosan BX-7 family of trucks are unmatched in both ergonomic design and the quality of built-in safety features.



### Smooth Acceleration

Reduced initial acceleration for safety. Increased acceleration during mid and high-speed levels for optimum travel



### Premium Suspension Seat (Optional Grammer Seat Upgrade)

The full suspension seat is adjustable to accommodate every individual preference



### Small Steering Wheel

Compact design which reduces operator fatigue  
(shown with Optional Spinner Knob)



### Adjustable Steering Column

The operator can adjust the position of the column for convenience and comfort



### Convenience Tray

Features of the operator convenience tray include:

- Large cup holder
- USB port
- 12V power outlet
- Emergency Shut-Off Button



### Operator Leg Room

The large, thick rubber floor mat and rounded hood provide operator comfort



### Oil Cooled Disc Brakes (OCDB)

Doosan's Oil Cooled Disc Brakes (OCDB) last five times longer than conventional shoe brakes and are virtually maintenance free



### Easy-Read Instrument Panel

Keeps operator informed and provides access to pre-set travel parameters

# Simple Servicing Easy to Own

Doosans 80V BX-7 Series provide low power consumption and high performance. With a reliable Curtis AC controller, heavy duty drive motors and hydraulic pumps, Doosans 80 Volt forklifts deliver cost-effective, reliable operation, job after job.

## Hood Cover

Wide opening and with locking type gas spring means easy access for routine maintenance and added safety

## Side Panel

Tool-free removal and with air ventilation slots for cooler operation



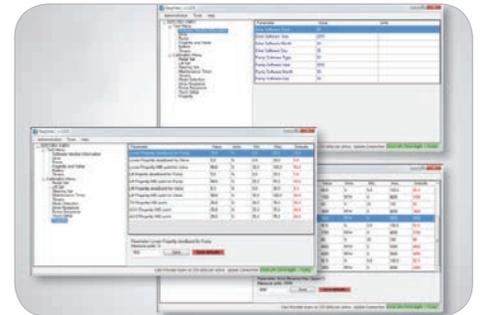
## Centralized Controller Access

The controller access is open and easy to access so that systems can be checked and serviced more quickly



## Brake Oil Indicator

Check brake oil level directly from the dash panel. A display warning indicator is also located on the instrument panel



## Customized Performance

Three performance settings are easily selected based upon operator and application needs:

- Energy Efficient
- Standard Mode
- High Performance

# Main Specifications

## MAJOR SPECIFICATIONS

		B22X-7	B25X-7	B30X-7	B35X-7	B40X-7	B45X-7	B50X-7	
Load Capacity/Rated Load	lb (kg)	4,500 (1,996)	5,000 (2,268)	6,000 (2,722)	7,000 (3,175)	8,000 (4,000)	9,000 (4,500)	10,000 (5,000)	
Load Center Distance	in (mm)	24 (600)							
Load Distance, Center of Drive Unit to Fork	in (mm)	17.6 (448)		17.9 (454)		22.5 (572)			
Wheelbase	in (mm)	62.6 (1,589)		68.3 (1,734)		68.9 (1,750)			
Turning Radius	in (mm)	76.8 (1,950)		82.5 (2,095)		84.8 (2,155)		103.1 (2,620)	
Travel Speed, Loaded/Unloaded	mph (km/h)	9.9/11.2 (16/18)				9.3/9.9 (15/16)			
Lift Speed, Loaded/Unloaded	fpm (m/sec)	98.4/118.2 (500/600)		82.8/118.2 (420/600)		75.0/118.2 (380/600)		68.9/92.5 (350/470)	
Lowering Speed, Loaded/Unloaded	fpm (m/sec)	96.6/90.6 (490/460)			98.4/90.6 (500/460)		94.5/88.6 (480/450)		
Max. Drawbar Pull, Loaded/Unloaded, 5 min. Rating	lb (N)	3,898/3,693 (1,768/1,675)				4,186/4186 (18,620/18,620)			
Max. Gradeability, Loaded/Unloaded, 5 min. Rating	%	27/40	25/38	22/34	20/30	17/17	16/26	15/25	
Battery Voltage/Nominal Capacity K5	V/Ah	80/720							

## Standard Features

and Options \*\*

### SAFETY & STABILITY

Doosan OSS (Operator Sensing System)	Standard Features
Anti roll back	Standard Features
Low battery warning alarm	Standard Features
ISO 3691 Mast inter-lock & tilt lock	Standard Features
Emergency stop switch	Standard Features
Adjustable speed control	Standard Features
Back-up alarm	Standard Features
Large mirrors	Standard Features
Amber strobe	Standard Features
Electromagnetic Parking Brake *	Standard Features
Doosan GSS (Guardian Stability System)	Standard Features
LED Lights	Options

### DURABILITY & SERVICEABILITY

Full AC system	Standard Features
Curtis controller rated IP65 vs. water & debris	Standard Features
Robust frame & reinforced overhead guard	Standard Features
Easy to access controller	Standard Features
Wide open battery hood cover	Standard Features
Tool-less side cover with air ventilation	Standard Features
Oil-cooled disc brakes (OCDB)	Standard Features
Drive/pump motors rated IP43 vs. water & debris	Standard Features

### OPERATOR COMFORT (ERGONOMICS)

Entry grip, entry bar & large entry step with anti-slip pattern	Standard Features
Large, angled floor plate with heavy duty rubber mat	Standard Features
Rounded battery hood cover	Standard Features
Easy to read instrument panel	Standard Features
Adjustable tilt steering column & easy grip steering wheel	Standard Features
Large cup holder, usb port & 12v electric jack, clip board	Standard Features
Fully adjustable suspension seat	Standard Features
Fingertip Controls	Options
Premium seat upgrade: Grammer seat	Options
Panoramic mirror	Options

### PRODUCTIVITY

High visibility mast	Standard Features
Rounded counterweight	Standard Features
Hydraulic cushioned valve in secondary cylinder (FFL & FFT)	Standard Features
Smooth and responsive acceleration	Standard Features
Cold storage application package	Standard Features
2 Front / 1 Rear flood light	Standard Features
6 Forward / 9 Back Tilt	Standard Features
Auto tilt leveling	Options
Direction switch on steering column	Options

Standard Features

Options

\* Remark : Applies to B22X/B25X/B30X/B35X-7 models only

\*\* Remark : This list is based on factory data. Standard or optional features may vary by country.



***Doosan's North American Dealer Network***

Doosan provides the best material handling solutions for your specific needs. From energy efficient electrics to robust internal combustion forklifts, Doosan is your full-line provider.



Doosan Industrial Vehicle America Corp.  
 2475 Mill Center Parkway, Suite #400  
 Buford, GA 30518  
 P) 678-745-2200  
 F) 678-745-2250  
[www.DoosanLift.com](http://www.DoosanLift.com)

PSCB2545X-7V1

Authorized Dealer