7 SERIES FORKLIFTS
80 Volt Electric Forklifts
4,500 lb. to 10,000 lb. Capacity

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

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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.

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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 cowling 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

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**Anti-Slip Step & Entry Grab Bar**

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

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**Emergency Switch**

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

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**Clear Forward View**

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

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**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°

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**Unlimited Ramp Hold***

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

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**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.

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**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.

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**Turtle Mode**

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

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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.

**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

**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

**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
Doosan 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.

**Simple Servicing**

**Easy to Own**

- **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

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Main Specifications

7 Series 80 Volt Electric Forklifts
4,400 lb. to 7,000 lb. Capacity
Doosan Industrial Vehicle America Corp.

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

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

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

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

** 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.