

MATERIAL HANDLING EQUIPMENT



PRODUCT CATALOGUE

About Us

(**BairShift** is a leading brand of industrial material handling equipment. Based in Haryana, India, we deliver robust, high-performance solutions engineered for warehouses, factories, and logistics operations across the country.



Our Mission

To provide reliable, heavy-duty material handling equipment that maximizes operational efficiency and workplace safety. Every product we build reflects our commitment to quality, durability, and practical engineering.

Our Vision

At BairShift, we envision a future where every industrial operation, regardless of size or complexity, can achieve seamless and efficient material handling. We strive to be at the forefront of innovation, continuously enhancing our product line to meet the evolving needs of our clients and the industry. By investing in cutting-edge technology and sustainable practices, we aim to reduce the environmental impact of our operations while delivering unparalleled service and support. Our team is dedicated to fostering long-term partnerships with our customers, empowering them to reach new heights of productivity and safety.

Why Choose BairShift

ISO 9001 & ISO 14001 Certified

Manufactured under strict international quality and environmental standards.

Heavy-Duty Engineering

Built for 3-ton+ loads with corrosion-resistant, powder-coated steel frames.

Pan-India Service Network

Dedicated support, spare parts availability, and on-site installation assistance.

Custom Configurations

Tailored solutions for unique warehouse layouts and operational requirements.

Product Description

The **BS-PT-101 Hydraulic Hand Pallet Truck** with **Nylon Tyres** is a **robust, heavy-duty material handling solution** designed for **industrial warehouses, factories, and logistics operations**. Built for a maximum **load capacity of 3 Tonnes**, this pallet truck features a reliable **manual hydraulic pump** for **smooth, controlled lifting and lowering**. The ergonomic tiller handle provides precise steering and comfortable operation across shifts, while the durable powder-coated chassis ensures long-term corrosion resistance. Available in **550 MM** and **685 MM** fork width variants for compatibility with all standard pallets.



BS-PT-101 Type A



BS-PT-101 Type B

TECHNICAL SPECIFICATION

BS-PT-101	Type A	Type B
Fork Overall Width	550 MM	685 MM
Load Capacity	3 Ton	3 Ton
Min Fork Height	85 MM	85 MM
Max Fork Height	195 MM	195 MM
Lifting Height	110 MM	110 MM
Fork Length	1150 MM	1220 MM
Single Fork Width	160 MM	200 MM
Fork Wheel Single	80x93 MM	80x93 MM
Fork Wheel Tandem	180x50 MM	180x50 MM
Steering Wheel Dia.	180 MM	180 MM
Wheel Type	Nylon	Nylon
Weight	68 to 70 KGs	68 to 70 KGs

FEATURES

- Heavy-duty manual hydraulic pump for smooth, controlled lifting and lowering
- High-grade Nylon tyres — ideal for warehouses and industrial floor surfaces
- Ergonomic tiller handle with built-in safety valve for operator protection
- Durable powder-coated steel chassis for long-lasting corrosion resistance

Product Description

The **BS-PT-102** Hydraulic Hand Pallet Truck is equipped with premium **Polyurethane (PU) Tyres**, making it the ideal choice for **smooth, polished, or sensitive floor surfaces**. With a **3-Ton** load capacity and **manual hydraulic pump** system, it **delivers quiet, floor-friendly operation** without **marking or damaging delicate surfaces**. The **PU tyres** provide **superior grip** and **reduced vibration** for enhanced operator comfort during extended use.



BS-PT-102 Type A



BS-PT-102 Type B

TECHNICAL SPECIFICATION

BS-PT-102	Type A	Type B
Fork Overall Width	550 MM	685 MM
Load Capacity	3 Ton	3 Ton
Min Fork Height	85 MM	85 MM
Max Fork Height	195 MM	195 MM
Lifting Height	110 MM	110 MM
Fork Length	1150 MM	1220 MM
Single Fork Width	160 MM	200 MM
Fork Wheel Single	80x93 MM	80x93 MM
Fork Wheel Tandem	180x50 MM	180x50 MM
Steering Wheel Dia.	180 MM	180 MM
Wheel Type	PU	PU
Weight	70 to 72 KGs	70 to 72 KGs

FEATURES

- Heavy-duty manual hydraulic pump for smooth, controlled lifting and lowering
- High-grade PU tyres — ideal for warehouses and industrial floor surfaces
- Ergonomic tiller handle with built-in safety valve for operator protection
- Durable powder-coated steel chassis for long-lasting corrosion resistance

Product Description

The BS-PT-103 is a **heavy-duty 5-Ton Hydraulic Hand Pallet Truck** built for **extra-heavy industrial loads**. Equipped with reinforced Nylon Tyres and a high-capacity hydraulic pump, this truck handles the **most demanding warehouse and manufacturing environments** with ease. Its wider **single fork** and **robust steel** frame make it the **go-to solution** for heavy load movement where standard 3-ton trucks are insufficient.



BS-PT-103 Type A



BS-PT-103 Type B

TECHNICAL SPECIFICATION

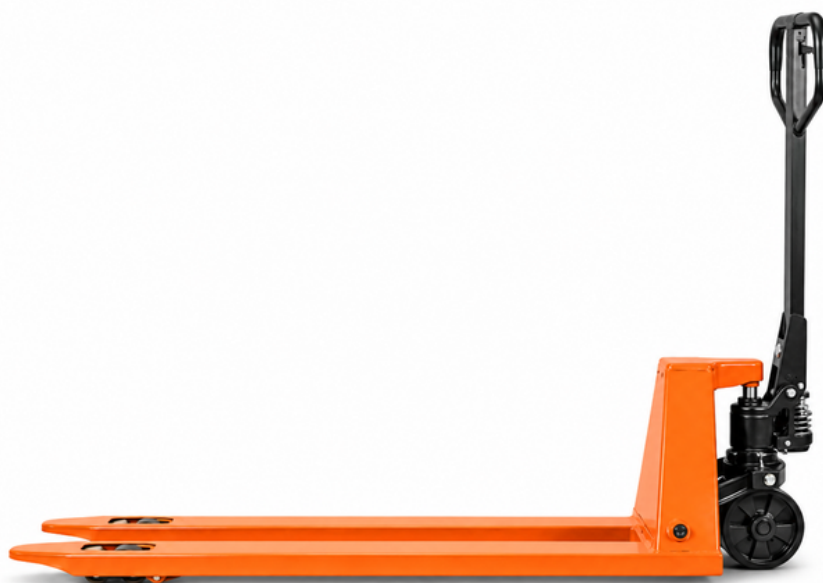
BS-PT-103	Type A	Type B
Fork Overall Width	550 MM	685 MM
Load Capacity	5 Ton	5 Ton
Min Fork Height	85 MM	85 MM
Max Fork Height	195 MM	195 MM
Lifting Height	100 MM	110 MM
Fork Length	1150 MM	1220 MM
Single Fork Width	140 MM	160 MM
Fork Wheel Single	80x93 MM	80x93 MM
Fork Wheel Tandem	180x50 MM	180x50 MM
Steering Wheel Dia.	180 MM	180 MM
Wheel Type	Nylon	Nylon
Weight	83 to 85 KGs	83 to 85 KGs

FEATURES

- Industry-leading 5-Ton load capacity for extra-heavy industrial applications
- Reinforced high-strength steel body designed for extreme load stress
- Heavy-duty Nylon tyres for long-life performance on rough industrial floors
- High-capacity hydraulic pump with smooth, controlled lifting mechanism

Product Description

The **BS-PT-104** is a specially **designed Low Height** Hydraulic Hand Pallet Truck with an **ultra-low fork profile**, making it the perfect solution for handling **low-clearance pallets and platforms** where **standard pallet trucks** cannot access. With a **3-Ton capacity**, **manual hydraulic pump**, and **180-degree swivel steering wheels**, it provides exceptional manoeuvrability in tight spaces while maintaining maximum load-bearing stability.



BS-PT-104

TECHNICAL SPECIFICATION

Load Capacity	3 Ton
Hydraulic System	Manual Hydraulic Pump
Load Wheels	2× Load-Bearing Wheels
Steering Wheels	2× 180° Swivel Wheels
Wheel Type	Nylon
Fork Profile	Low Height / Low Entry
Operation	Manual Hydraulic
Surface Suitability	Flat Industrial Floor
Fork Wheel Tandem	180x50 MM
Steering Wheel Dia.	180 MM
Wheel Type	Nylon

FEATURES

- Ultra-low fork entry — designed for low-clearance pallets and platforms
- 2× 180-degree swivel steering wheels for excellent manoeuvrability
- 2× load-bearing wheels for superior stability under full 3-Ton load
- Manual hydraulic pump — no power source required for operation

Product Description

The **BS-PT-105** is a **2-Ton Hydraulic Hand Pallet Truck** with an **integrated digital weight scale**, allowing operators to weigh loads directly during transport — eliminating the need for separate weighing stations. With **550 MM** fork width, it is ideal for **warehouses** and **logistics** operations where accurate weight recording is essential for **shipping, dispatch,** and **inventory management**.



BS-PT-105

TECHNICAL SPECIFICATION

Load Capacity	2 Ton
Fork Thickness	4 MM
Fork Width	550 MM
Fork Length	1200 MM
Overall Height	1200 MM
Overall Length	1150 MM
Overall Width	550 MM
Steering Wheel Size	200×50 MM
Distance Between Forks	230 MM
Wheel Type	Nylon / PU

FEATURES

- Built-in digital weight scale — weigh loads while transporting, no extra equipment needed
- 3-Ton load capacity with robust 4 MM thick fork construction
- Available in Nylon or PU wheel options to suit your floor surface
- Manual hydraulic pump for smooth, controlled operation without power

Product Description

The **BS-PT-106** is a **3-Ton Hydraulic Hand Pallet Truck** with **integrated digital weight scale** and wider **685 MM fork width** — designed for **oversized pallets** commonly used in **automotive, steel, and heavy logistics sectors**. The wider fork ensures load stability during **weighing** and **transport**, while the **built-in scale** adds process efficiency by combining material handling and weighing into a single operation.



BS-PT-106 Type A



BS-PT-106 Type B

TECHNICAL SPECIFICATION

BS-PT-106	Type A	Type B
Load Capacity	3 Ton	3 Ton
Fork Thickness	4 MM	4 MM
Fork Width	550 MM	685 MM
Fork Length	1150 MM	1150 MM
Overall Height	1200 MM	1200 MM
Overall Length	1200 MM	1200 MM
Overall Width	1550 MM	1550 MM
Steering Wheel Size	200×50 MM	200×50 MM
Distance Between Forks	230 MM	230 MM
Wheel Type	Nylon / PU	Nylon / PU

FEATURES

- Built-in digital weight scale — weigh loads while transporting, no extra equipment needed
- 3-Ton load capacity with robust 4 MM thick fork construction
- Available in Nylon or PU wheel options to suit your floor surface
- Manual hydraulic pump for smooth, controlled operation without power

Product Description

The **BS-PT-108** is a **Hydraulic High Lift Pallet Truck** capable of lifting loads up to **800 MM** height — **significantly higher than standard pallet trucks**. With a **1.5-Ton capacity**, it bridges the gap between a **standard pallet truck** and a **full stacker**, making it ideal for **transferring loads** to **elevated surfaces**, **mezzanine floors**, or **loading docks** without requiring a full electric stacker investment.



BS-PT-108 Type A



BS-PT-108 Type B

TECHNICAL SPECIFICATION

BS-PT-108	Type A	Type B
Load Capacity	1.5 Ton	1.5 Ton
Min Fork Height	85 MM	85 MM
Max Fork Height	800 MM	800 MM
Fork Length	1150 MM	1150 MM
Fork Width	160 MM	160 MM
Fork Thickness	50 MM	50 MM
Overall Width	550 MM	685 MM
Operation Type	Manual Hydraulic	Manual Hydraulic
Fork Overall Width	550 MM	685 MM
Weight	83 to 85 KGs	83 to 85 KGs

FEATURES

- High lift capability up to 800 MM — ideal for elevated surfaces & mezzanines
- Cost-effective alternative to a full electric stacker for mid-height lifting
- Dual-action manual hydraulic pump for precise, controlled high lift
- Available in 550 MM and 685 MM widths for pallet compatibility

Product Description

The **BS-PT-109** is a **short-fork 3-Ton Pallet Truck** with a **700 MM** fork length, designed specifically for **handling non-standard, shorter pallets** and **compact loads**. Its reduced **fork size makes it extremely manoeuvrable** in **confined spaces, narrow aisles,** and **crowded warehouses** where a standard **1150 MM** fork pallet truck cannot operate efficiently. **Powder-coated** for durability in demanding industrial environments.



BS-PT-109

TECHNICAL SPECIFICATION

Load Capacity	3 Ton
Fork Length	700 MM
Fork Width	550 MM
Min Fork Height	75 MM
Max Fork Height	185 MM
Max Lifting Height	110 MM
Steering Wheel Size	180×50 MM
Front Wheel (4 roller)	80×72 MM
Body Steel Thickness	4 MM
Surface Finish	Powder Coated
Wheel Type	Nylon

FEATURES

- Short 700 MM fork — handles compact pallets & tight space operations
- 3-Ton capacity with 4 MM thick reinforced steel main body
- 4-roller front wheel system for smooth movement on industrial floors
- High-durability powder-coated finish for corrosion and wear resistance

Product Description

The **BS-PT-110** is a **3-Ton Pallet Truck** with a **900 MM fork length** — the ideal medium-fork option for industries using **intermediate-sized pallets** that are shorter than the **standard 1150 MM** but longer than **compact 700 MM** pallets. Built with a **4 MM** steel body and **powder-coated finish**, it **offers exceptional durability** for **heavy-duty daily use** in **manufacturing plants, cold storage, and distribution centres**.



BS-PT-110

TECHNICAL SPECIFICATION

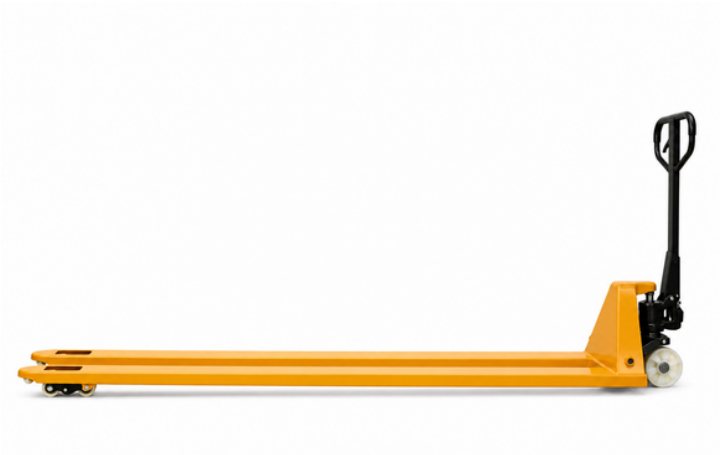
Load Capacity	3 Ton
Fork Length	900 MM
Load Wheels	550 MM
Min Fork Height	75 MM
Max Fork Height	185 MM
Max Lifting Height	110 MM
Steering Wheel Size	180×50 MM
Front Wheel (4 roller)	80×72 MM
Body Steel Thickness	4 MM
Surface Finish	Powder Coated
Wheel Type	Nylon

FEATURES

- 900 MM medium fork — handles intermediate pallet sizes across industries
- 3-Ton heavy-duty capacity with reinforced 4 MM thick steel construction
- Powder-coated body for exceptional corrosion and abrasion resistance
- Balanced between compact manoeuvrability and standard pallet handling

Product Description

The **BS-PT-111** is a **2-Ton Long Fork Pallet Truck** with an **extended 2000 MM fork length**, designed for **handling extra-long pallets, timber, pipes, structural steel**, and other **oversized loads** that **require extended fork support to prevent tipping**. Its **70 MM/sec lifting speed** and **Nylon wheel** construction **ensure efficient, stable, and safe handling** of **long-dimension materials** in **industrial and construction applications**.



BS-PT-111 Type A



BS-PT-111 Type B

TECHNICAL SPECIFICATION

BS-PT-110	Type A	Type B
Load Capacity	2 Ton	2 Ton
Fork Length	2000 MM	2000 MM
Fork Overall Width	550 MM	685 MM
Lifting Speed	70 MM/sec	70 MM/sec
Min Fork Height	80 MM	80 MM
Max Fork Height	195 MM	195 MM
Max Lifting Height	200 MM	200 MM
Steering Wheel	200×50 MM	200×50 MM
Wheel Material	Nylon	Nylon
Front Wheel	4 Roller	4 Roller

FEATURES

- Extended 2000 MM fork — handles timber, pipes, steel & oversized long loads
- Fast 70 MM/sec lifting speed for efficient high-volume operations
- 4-roller front wheel system for stable support across the full fork length
- Available in 550 MM and 685 MM widths for load size flexibility

Product Description

The **BS-PT-115** is a **specialised Reel Pallet Truck** designed for safe and efficient handling of **cylindrical reels, rolls, and drums** with a diameter range of **500×800 MM**. With a **3-Ton capacity** and a **purpose-built cradle-style fork**, it **securely cradles and transports paper reels, cable drums, fabric rolls, and similar cylindrical loads** without the risk of **rolling or slipping** during movement.



BS-PT-115

TECHNICAL SPECIFICATION

Load Capacity	3 Ton
Reel Diameter Range	500×800 MM
Width Overall Forks	760 MM
Fork Length	1150 MM
Steering Wheel	200×500 MM
Land Roller Tandem	80×70 MM
Fork Design	Cradle / Reel Type
Operation	Manual Hydraulic

FEATURES

- Purpose-built cradle fork — safely holds reels of 500 to 800 MM diameter
- Prevents cylindrical load rolling or slipping during transport
- 2-Ton capacity for handling heavy paper, cable & fabric reels
- Land roller tandem wheels for smooth movement under full load

Product Description

The **BS-PT-116** is a **heavy-duty Reel Pallet Truck** designed for **handling large-diameter cylindrical reels** with a **700×1200 MM diameter range**. Built for **industries that handle jumbo paper rolls, heavy cable drums, or large fabric reels**, this truck provides **secure cradle-style support** with a **3-Ton capacity**. The **large steering wheel** and **tandem rollers** ensure **precise control** and **smooth transport** even with **maximum-sized reels loaded**.



BS-PT-116

TECHNICAL SPECIFICATION

Load Capacity	3 Ton
Reel Diameter Range	700×1200 MM
Width Overall Forks	760 MM
Fork Length	1150 MM
Steering Wheel	200×500 MM
Land Roller Tandem	80×70 MM
Fork Design	Cradle / Reel Type
Operation	Manual Hydraulic

FEATURES

- Large cradle fork handles jumbo reels from 700 to 1200 MM diameter
- Secure cradle support — zero risk of large reel rolling or slipping
- 2-Ton capacity for the heaviest jumbo rolls and cable drums
- Large 200×500 MM steering wheel for precise control with wide loads

Product Description

The **BS-PT-120** is a **3-Ton Fully Automatic Battery Operated Pallet Truck** powered by a **24V Lead Acid battery**, offering effortless, motorised pallet transport across **warehouse floors**. With a **550 MM fork width** and **self-propelled drive system**, it **eliminates operator fatigue caused by manual pushing** in **high-throughput logistics environments**. The **reliable Lead Acid battery** provides up to **8 hours of continuous operation** on a single charge.



BS-PT-120

TECHNICAL SPECIFICATION

BS-PT-120	Type A	Type B
Load Capacity	3 Ton	3 Ton
Fork Width	550 MM	685 MM
Fork Length	1200 MM	1200 MM
Overall Width	750 MM	750 MM
Overall Length	~1800 MM	~1800 MM
Lifting Height Range	85 – 200 MM	85 – 200 MM
Battery Type	Lead Acid	Lead Acid
Battery Voltage	24V	24V
Charging Time	6 – 8 Hours	6 – 8 Hours
Drive System	Automatic	Automatic

FEATURES

- Fully automatic self-propelled drive — zero manual pushing effort required
- 24V Lead Acid battery with up to 8 hours continuous operation per charge
- 3-Ton load capacity with precise electric lift and lower control
- Ergonomic tiller arm with thumb-controlled speed and direction

Product Description

The **BS-PT-121** is the **wider 685 MM fork variant** of the **Lead Acid battery** pallet truck, designed for industries that **handle oversized pallets** — **automotive, FMCG, and heavy logistics**. With the same **24V Lithium-ION battery** system delivering up to **8 hours of operation**, this model combines the reliability of Lead Acid technology with the versatility of a wider fork to handle a broader range of industrial pallet sizes securely.



BS-PT-121

TECHNICAL SPECIFICATION

Load Capacity	3 Ton
Fork Width	550 MM
Fork Length	1200 MM
Overall Width	750 MM
Overall Length	~1800 MM
Lifting Height Range	85 – 200 MM
Battery Type	Lithium - ION
Battery Voltage	24V
Charging Time	6 – 8 Hours
Drive System	Automatic

FEATURES

- Fully automatic self-propelled drive — zero manual pushing effort required
- 24V Lead Acid battery with up to 8 hours continuous operation per charge
- 3-Ton load capacity with precise electric lift and lower control
- Ergonomic tiller arm with thumb-controlled speed and direction

Product Description

The **BS-PT-214** is a **3-Ton Fully Automatic Battery** Operated **Pallet Truck** fitted with **heavy-duty Off-Road Wheels**, purpose-built for **uneven, rough, or outdoor floor** surfaces where **standard PU** or Nylon wheels cannot perform reliably. Ideal for **construction sites, open-yard operations, loading bays with rough concrete, and outdoor warehouses**, this truck brings full electric automation to demanding terrain environments.



BS-PT-214

TECHNICAL SPECIFICATION

Load Capacity	3 Ton
Fork Width	550 MM
Fork Length	900 MM
Min Fork Height	75 MM
Max Fork Height	185 MM
Max Lifting Height	110 MM
Steering Wheel Size	180×50 MM
Front Wheel (4 Roller)	80×72 MM
Body Steel Thickness	4 MM
Wheel Type	Off-Road

FEATURES

- Heavy-duty Off-Road wheels — operates on rough, uneven & outdoor surfaces
- Fully automatic battery drive — no manual effort on tough terrain
- 3-Ton capacity with 4 MM reinforced steel body for rugged environments
- Powder-coated chassis for superior outdoor corrosion resistance

Product Description

The **BS-PT-215** is the **wide-fork 685 MM** variant of the **Off-Road Battery Operated** Pallet Truck, designed for **handling large, oversized loads** on rough or outdoor surfaces. Combining the stability of a **685 MM fork with rugged Off-Road tyres** and **full battery automation**, it is the most **versatile outdoor pallet truck** in the **BAIR SHIFT** range — handling both **wide pallets** and **difficult terrain simultaneously**, without compromising on load **capacity** or **safety**



BS-PT-215

TECHNICAL SPECIFICATION

Load Capacity	3 Ton
Fork Width	685 MM
Fork Length	900 MM
Min Fork Height	75 MM
Max Fork Height	185 MM
Max Lifting Height	110 MM
Steering Wheel Size	180×50 MM
Front Wheel (4 Roller)	80×72 MM
Body Steel Thickness	4 MM
Wheel Type	Off-Road

FEATURES

- 685 MM wide fork + Off-Road wheels — widest outdoor pallet truck in range
- Handles oversized pallets on rough concrete, yards & outdoor loading areas
- Fully automatic battery drive eliminates manual effort on difficult terrain
- Reinforced 4 MM steel body with powder-coat for outdoor weather resistance

Product Description

The BS-PT-216 is a 3-Ton Fully Automatic Battery Pallet Truck with premium Polyurethane (PU) Wheels — designed exclusively for smooth, polished, and sensitive indoor floor surfaces. The PU wheels deliver quiet, non-marking, vibration-free movement ideal for food processing plants, pharmaceutical warehouses, clean-room facilities, and retail distribution centres where floor protection and hygiene are critical operational requirements.



BS-PT-216

TECHNICAL SPECIFICATION

Load Capacity	3 Ton
Fork Width	550 MM
Fork Length	900 MM
Min Fork Height	75 MM
Max Fork Height	185 MM
Max Lifting Height	110 MM
Steering Wheel Size	180×50 MM
Front Wheel (4 Roller)	80×72 MM
Body Steel Thickness	4 MM
Wheel Type	PU — Plain Surface Only
Surface Finish	Powder Coated

FEATURES

- PU wheels — non-marking, quiet & floor-friendly for polished indoor surfaces
- Fully automatic battery drive for effortless smooth-surface operation
- Low vibration — protects sensitive cargo & operator comfort on long shifts
- 3-Ton capacity with precision electric lift for controlled load placement

Product Description

The **BS-PT-217** is the **wide-fork 685 MM** variant of the **PU Wheel Battery Operated Pallet Truck** — combining the **floor-protection** benefits of **PU wheels** with a **wider fork** for handling **oversized pallets** on **smooth indoor surfaces**. The premium choice for large-format **retail distribution**, **pharmaceutical bulk stores**, and **modern automated warehouse** facilities that require both **wide-pallet capability** and **impeccable floor** care standards.



BS-PT-217

TECHNICAL SPECIFICATION

Load Capacity	3 Ton
Fork Width	685 MM
Fork Length	900 MM
Min Fork Height	75 MM
Max Fork Height	185 MM
Max Lifting Height	110 MM
Steering Wheel Size	180×50 MM
Front Wheel (4 Roller)	80×72 MM
Body Steel Thickness	4 MM
Wheel Type	PU — Plain Surface Only
Surface Finish	Powder Coated

FEATURES

- 685 MM PU wheels — widest smooth-surface electric pallet truck in range
- Non-marking PU wheels protect premium warehouse & retail store flooring
- Wide fork handles oversized pallets with full stability & electric ease
- Ultra-quiet operation — minimal noise for customer-facing environments



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