

EP's Smart Intralogistics Solution



XP15 B/B+

Pallet mover 
across factory and warehouse 1.5T

- Your best co-worker
- Stand alone installation
- Flexible to change application
- Plug-in battery design
- Keypad option for greater operation convenience
- 2D visual navigation
- Maximum personal safety protection

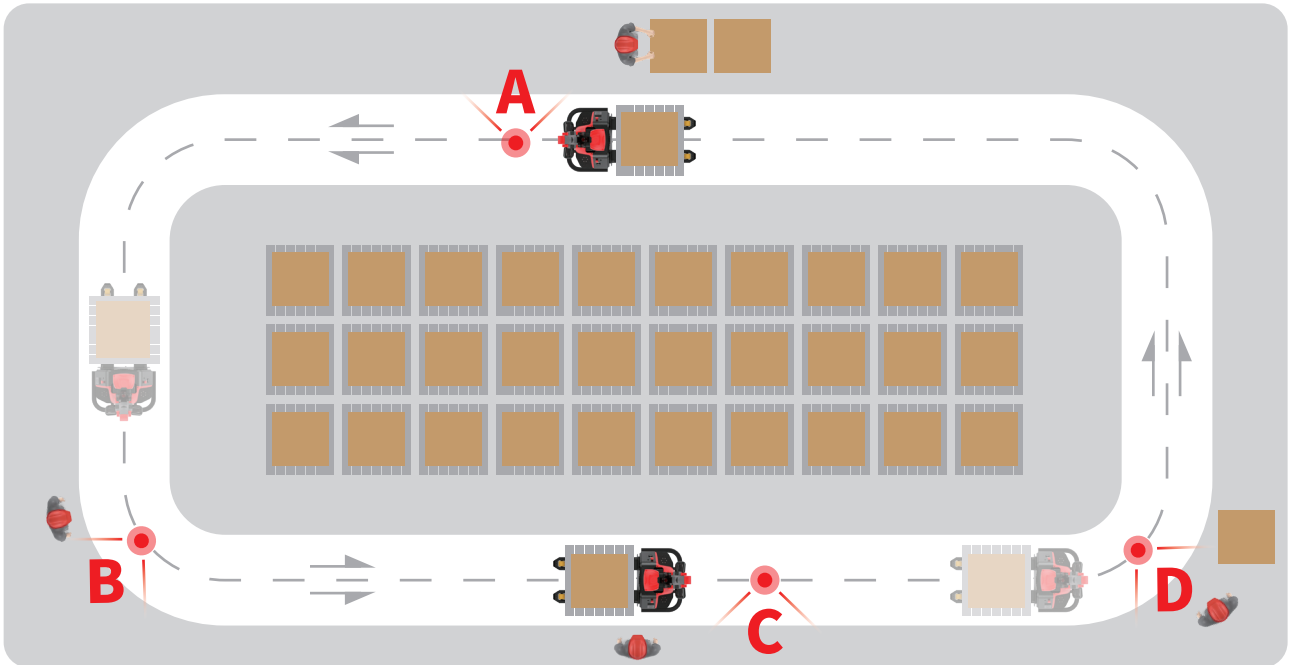
EP EQUIPMENT CO.,LTD
www.ep-equipment.com



FEATURE

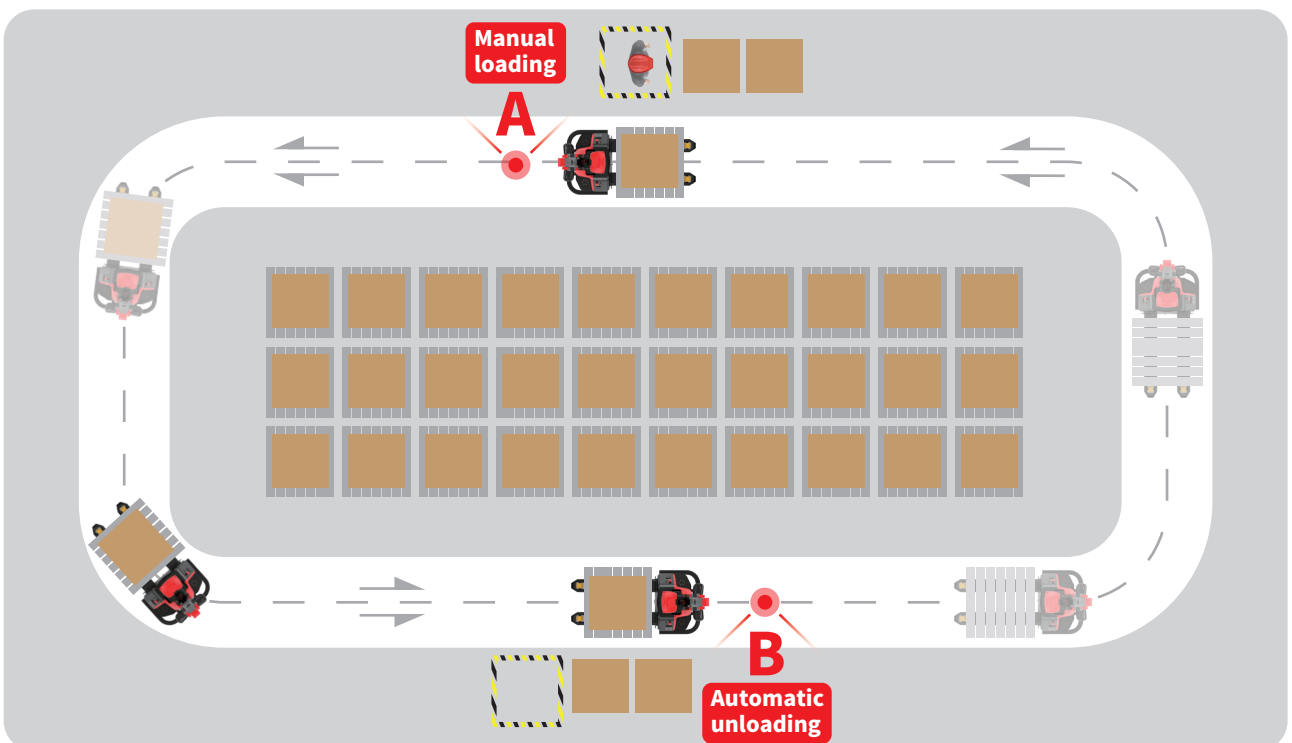
■ XP15 B: A-B-C-...-A Loop with manual loading and unloading

XP15 B transports pallets along the loop continuously and workers are allowed to load or unload goods manually on the way. Pause on pre-programmed work stations.



■ XP15 B+: A-B-A with automatic unloading

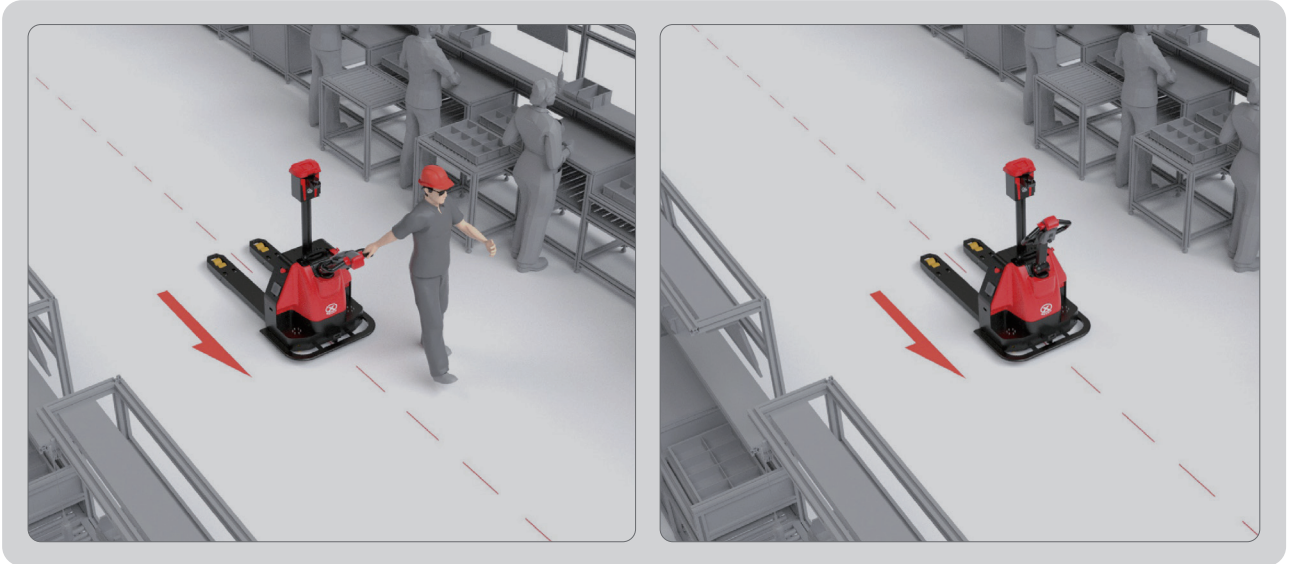
XP15 B+ starts with manual loading and unloads pallets automatically in the storage area or production. It requires minimum involvement of worker and delivers high process efficiency where transportation tasks need to be repeated permanently.



FEATURE

Your best co-worker

You can operate the XP15 as an autonomous mobile robot and an electric pallet truck. Switch between manual and automatic operation by the push of a button.

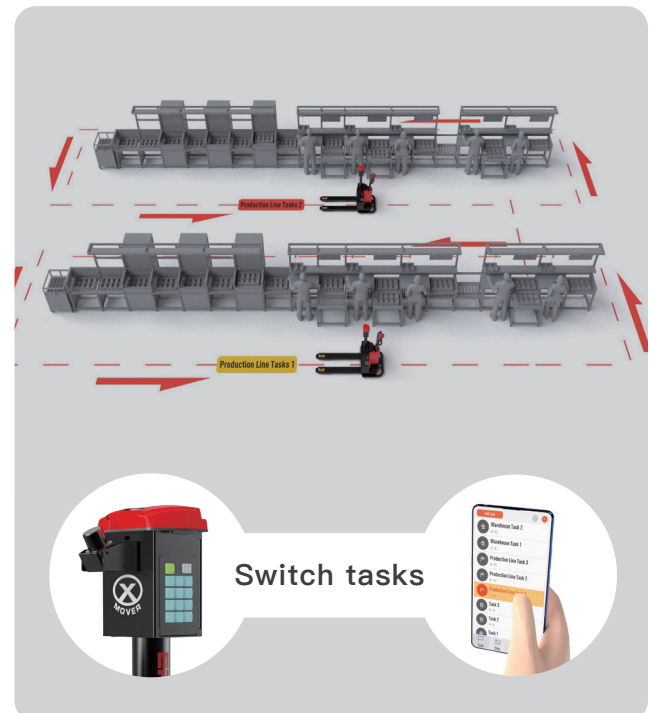
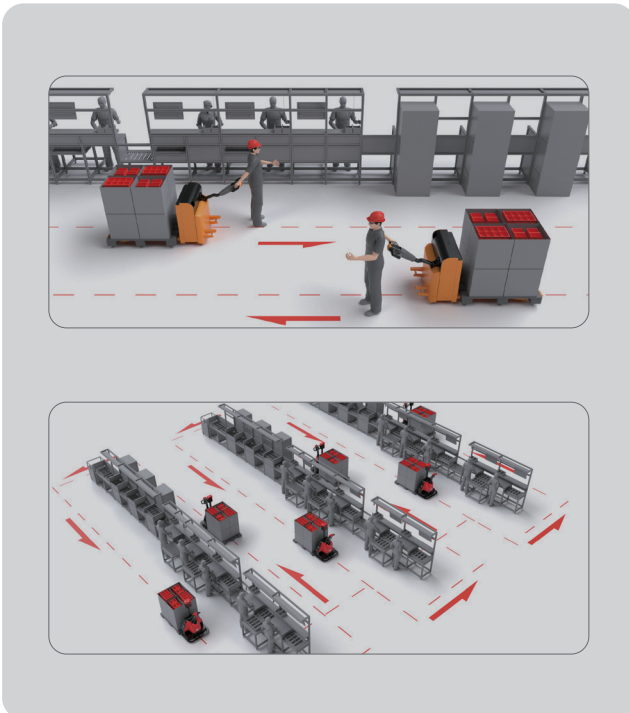


Stand alone installation

The XP15 is easy to set up for various applications without IT knowledge or specialized hardware and software.

Flexible to change tasks

The XP15 offers route settings and transportation task monitoring via bluetooth and you can add new routes and stations quickly on your phone or on the keypad.



FEATURE

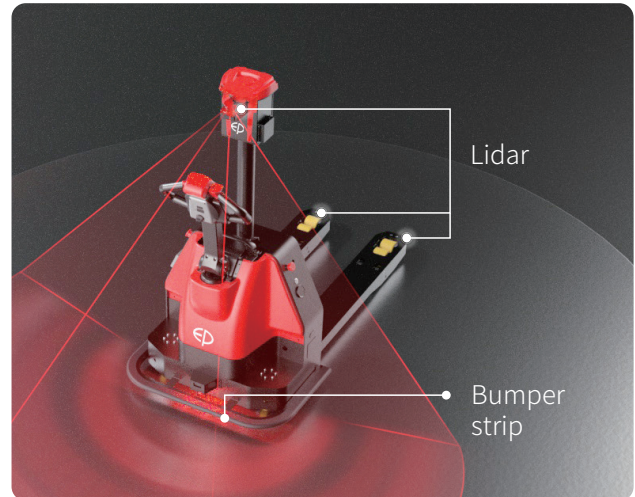
■ Plug-in battery design

The XP15 features plug-in battery design and adopts EP's standard battery box with 24V/60Ah Li-ion battery. This maximizes uptime and provides high availability and flexibility.



■ Maximum personal safety protection

The XP-15 is equipped with Bumper strips and Lidar detectors that prevent the truck from collision.



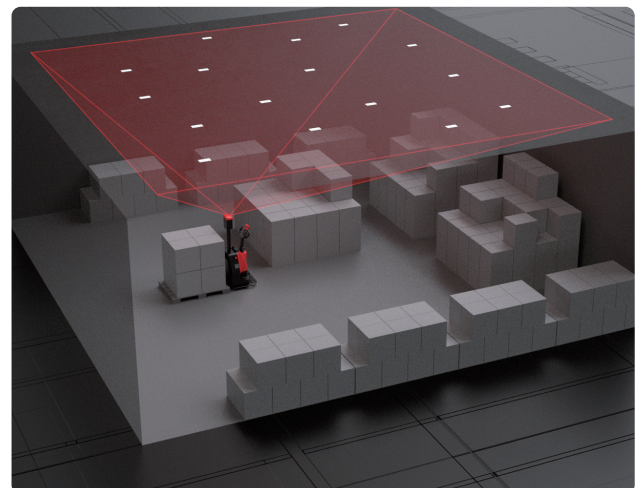
■ Keypad option for greater operation convenience

The XP15 offers an optional keypad and it can be directly connected to the truck. After binding all tasks to the keypad, the operator can quickly start the truck, deliver transportation tasks and easily switch between different tasks on the go. This user-friendly keypad can replace the phone, increasing convenience on a daily basis.



■ 2D visual navigation

EP's in-house developed visual navigation technology provides XP15 with highly stable and adaptable navigation. Absolute positioning, with random labeling and visual navigation, the vehicle knows its position at all times to proceed its path.



Pallet mover across factory and warehouse 1.5T XP15 B/B+

| | | | | | |
|---------------------|---------------------|---|----------------|----------------|-----------------------|
| Distinguishing mark | 1.1 | Manufacturer | | | EP |
| | 1.2 | Model designation | | | XP15 |
| | 1.3 | Drive | | | Electric |
| | 1.4 | Operator type | | | Pedestrian |
| | 1.5 | Load capacity | Q | kg | 1500 |
| | 1.6 | Load center distance | c | mm | 600 |
| | 1.8 | Load distance, centre of drive axle to fork | x | mm | 980 |
| | 1.9 | Wheelbase | y | mm | 1210 |
| | Service weight | 2.1 | Service weight | | kg |
| 2.2 | | Axle loading, laden front/rear | | kg | 1150/510 |
| 2.3 | | Axle loading, unladen front/rear | | kg | 120/40 |
| Tyres/chassis | 3.1 | Tyre type | | | PU |
| | 3.2.1 | Tyre size, front | | mm | φ210*94 |
| | 3.3.1 | Tyre size, rear | | mm | 85*70 |
| | 3.4 | Additional wheels (castor wheels) | | mm | 74*30 |
| | 3.5 | Wheels, number front/rear (x=drive wheels) | | mm | 1,2/4 |
| | 3.6.1 | Tread width, front | b10 | mm | 504 |
| | 3.7.1 | Tread width, rear | b11 | mm | 430 |
| Dimensions | 4.4 | Lift height | h3 | mm | 95 |
| | 4.9 | Height of tiller handle in drive position min./max. | h14 | mm | — |
| | 4.15 | Lowered height | h13 | mm | 90 |
| | 4.19 | Overall length | l1 | mm | 1695 |
| | 4.20 | Length to face of forks | l2 | mm | 545 |
| | 4.21 | Overall width | b1/b2 | mm | 842 |
| | 4.22 | Fork dimensions | s/e/l | mm | 55X170X1220 |
| | 4.25 | Distance between fork-arms | b5 | mm | 540 |
| | 4.32 | Ground clearance, center of wheelbase | m2 | mm | 30 |
| | 4.34.1 | Aisle width for pallets 1000×1200 crossways | Ast | mm | 2300 |
| | 4.34.2 | Aisle width for pallets 800×1200 lengthways | Ast | mm | 2160 |
| 4.35 | Turning radius | Wa | mm | 1500 | |
| Performance data | 5.1 | Travel speed, laden/unladen | | km/h | 4.5/5 |
| | 5.2 | Lifting speed, laden/unladen | | m/s | 0.017/0.02 |
| | 5.3 | Lowering speed, laden/unladen | | m/s | 0.09/0.06 |
| | 5.8 | Max. gradeability, laden/unladen | | % | 6/16 |
| | 5.10 | Service brake | | | Electromagnetic |
| Electric-engine | 6.1 | Drive motor rating S2 60 min | | kW | 0.9 |
| | 6.2 | Lift motor rating at S3 15% | | kW | 0.8 |
| | 6.4 | Battery voltage/nominal capacity | | V/Ah | 24/60 |
| | 6.5 | Battery weight | | kg | 14 |
| Addition data | 8.1 | Type of drive control | | | AC |
| | 10.5 | Steering design | | | Electric |
| | 10.7 | Sound pressure level at the driver's ear | | dB(A) | <70 |
| | 10.11 | Indoor/Outdoor | | | Indoor |
| | 10.12 | Safety notification | | | Horn |
| | 10.13 | Safety protection | | | Physical bumper strip |
| | | | | | Lidar |
| | 10.13 | Safety protection | | | Emergency stop button |
| | | | | | 2D visual navigation |
| | 10.14 | Positioning | | | 2D visual navigation |
| 10.15 | Parking accuracy | | mm | ±20 | |
| 10.16 | Navigation accuracy | | mm | ±20 | |
| 10.17 | Battery type | | | Li-ion battery | |

If there are improvements of technical parameters or configurations, no further notice will be given.
The diagram shown may contain non-standard configurations.

