

- 1 EP range
- 2 Exploded view
- Machine features

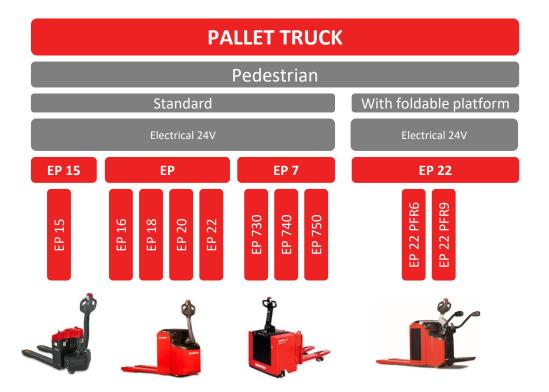


Exploded view Machine features

EP range



#### Machines - Pallet truck 2019 1.1



# EP - Applications



Used indoor or outdoor, the **EP** is dedicated to pallet movements over short distances, as well as loads and unloading trucks.

There is **10** models which can lift **1.5** to **5** tons pallets.



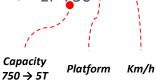




# **EP - Range introduction**



- EP 15
- EP 16
- EP 18
- EP 20
- EP 22
- EP 22 PFR 6
- EP 22 PFR 9
- EP 730
- EP 740
- EP 750





### **Electric pallet trucks**

- Pedestrian or ride-on
- Curtis or Zapi controller
- Battery: 24V



- Compact
- Easy to use in tight spaces
- Ergonomic tiller head
- Low maintenance required
- Precise handling



### EP - Product range

#### **EP 15**

- Pedestrian
- 6 km/h
- 70Ah
- Small daily handlings



- Pedestrian
- 6 km/h
- 172Ah
- Folded forks
- Parcel services, confined spaces, light handling

**EP 16** 





- Pedestrian
- 6 km/h
- 180-250Ah
- Welded steel forks
- Horizontal transport, loading / unloading



- Pedestrian
- 6 km/h

**GLOSSARY** 

- 270-375Ah
- Heavy industry, loading / unloading



- Ride on
- 6 km/h
- 230-375Ah
- Long distance load displacement



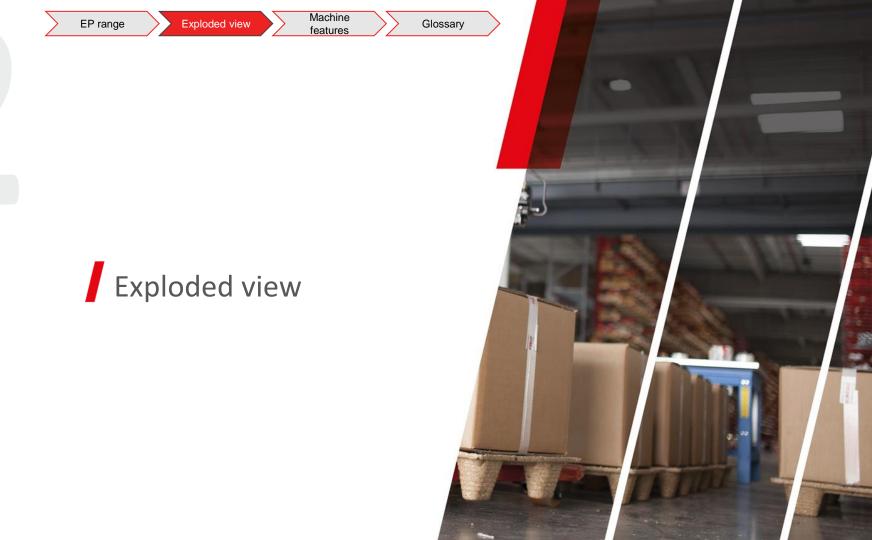
#### EP 7 30-40-50

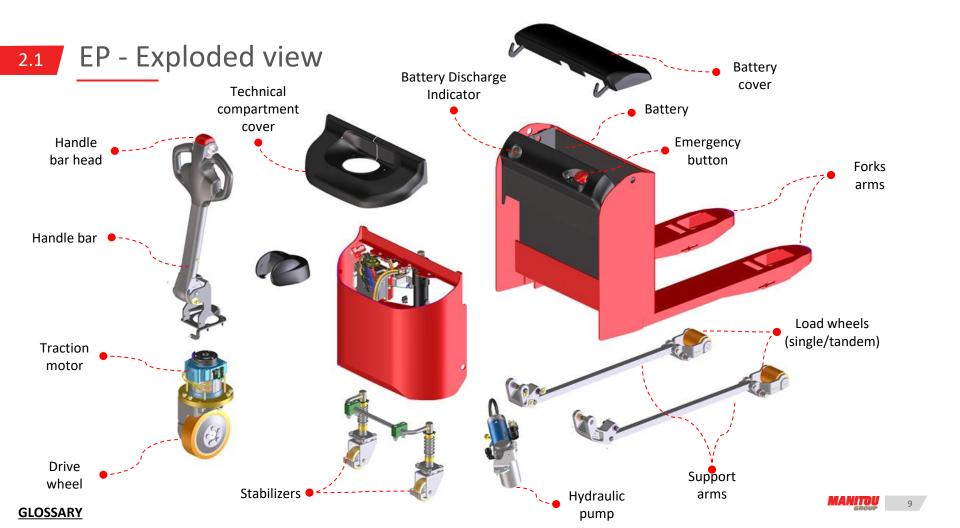
- Pedestrian
- 6 km/h
- 240-315Ah
- Heavy duty load transfer











Machine Exploded view EP range Glossary features

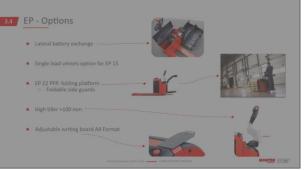
#### Tiller arm

### **Indicators**









Wheels

3.1

# Tiller arm





### Tiller arm

#### **Turtle Button**

- Reduces temporally the speed of the machine to 3km/h
- Allows driving the pallet truck with the tiller arm in vertical position
- Creep speed



**GLOSSARY** 

- Useful when the driver moves in a storage with many people
- > Essential function for handling fragile goods
- Convenient in confined spaces (e.g.: in a lorry)

### **Ergonomic tiller arm**

- Centered: better in the axis, better driving position
- On the side: cheaper, directly on the drive head, attached to the engine

#### **Belly Switch**

- This red button guaranties a safer use of the machine
- Avoids being caught between the machine and an obstacle

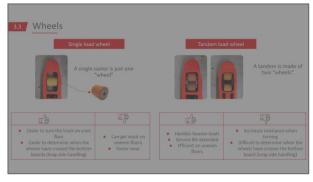
EP range Exploded view Machine features Glossary

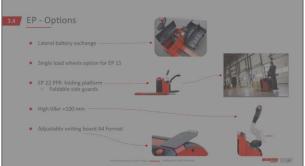
#### Tiller arm











Wheels

## **Indicators**







EP 16 / 18 / 20



EP 22/ 22 PFR/ 20 PFR



EP 725/ 730/ 750



BDI: Battery Discharge Indicator



Using time of the machine (electrical motors)



Standard or low speed

EP range Exploded view Machine features

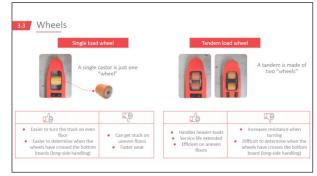
Glossary

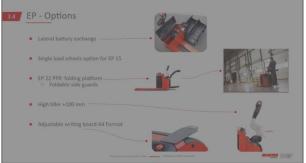
### Tiller arm

### **Indicators**









Wheels

# 3.3 Wheels

### Single load wheel



#### Tandem load wheel





A tandem is made of two "wheels"



- Easier to turn the truck on even floor
- Easier to determine when the wheels have crossed the bottom boards (long-side handling)



- Can get stuck on uneven floors
- Faster wear



- Handles heavier loads
- Service life extended
- Efficient on uneven floors



- Increases resistance when turning
- Difficult to determine when the wheels have crosses the bottom board (long-side handling)

GLOSSARY

### Polyurethane driving wheel - Std

# 3.3 Wheels

- Single and tandem load wheel exist in different material in order to be adapted to the customer's floor
  - o Polyurethane
  - No marking solid tyres (treated, smooth)
  - Cushion tyres (rubber smooth)
  - Anti-static belt
  - \*Shore: wheel hardness measure unit
- **EP 16**: Entry roller wheel include to get a better entrance into pallets



#### Hardness 92 shore\*

- Heavy load
- Intensive use



#### Hardness 75 shore\*

- Soft wheel
- Less noise
- Better grip
- Shorter lifetime







**GLOSSARY** 

# EP - Wheels

		<b>■</b> EP 15	<b>■</b> EP 16	<b>₽</b> EP 18	<b>■</b> EP 20	<b>■</b> EP 22	■ EP /
	Drive wheel	1	1	1	1	1	
	Polyurethane 92 shore						
(i)	Polyurethane 75 shore		Ø				8
	Load wheel						
	Single polyurethane load wheel	<b>②</b>	<b>②</b>	Ø	<b>②</b>	<b>&amp;</b>	8
	Tandem load wheel with anti-thread system		<b>②</b>	<b>②</b>	<b>②</b>	<b>②</b>	<b>②</b>
	Stainless steel bearings and axes for tandem	<b>8</b>	<b>3</b>	<b>②</b>	<b>②</b>	<b>②</b>	8
	Stainless steel bearings and axes for single	8	<b>&amp;</b>	Ø	<b>&amp;</b>	<b>8</b>	8

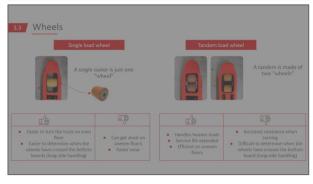
Machine Exploded view EP range Glossary features

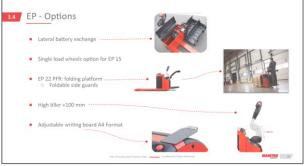
### Tiller arm

### **Indicators**









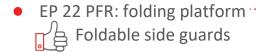
Wheels

# **EP - Options**

Lateral battery exchange



Single load wheels option for EP 15







High tiller +100 mm







**GLOSSARY** 

# EP - Battery

It's important to make sure that you have the right battery depending of different criteria:

	Lead acid	Gel	Lithium
Maintenance	**	**	***
Lifetime	*	***	***
Number of charges	*	***	***
Price	***	**	*



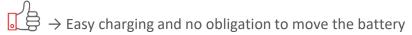




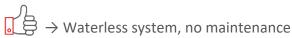
**GLOSSARY** 

# **EP - Battery options**

- Battery:
  - o 2 brands: Exide (GNB) and Enersys (Hawker)
  - Integrated chargor (for EP 16, 18 and 20)



Gel battery



- Lateral or vertical battery exchange
- Central filling system







### EP - Battery : central filling system

#### **Central filling system for battery with tank:**

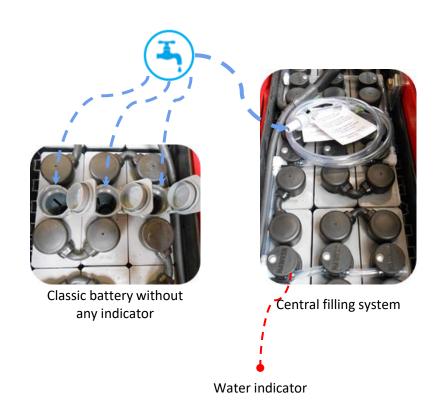
#### Characteristics:

- To recharge battery with only one point of refill (with water)
- Indicator on the top of every battery plug

#### Benefits:

**GLOSSARY** 

- Faster & easier refill
- Very simple to check the water situation in the battery
- Maintenance uncomplicated and without confusion



### General glossary

- AC: Alternating Current
- **BDI: Battery Discharge Indicator**
- CACES: Certificat d'Aptitude à la Conduite En Sécurité
- CoG: Center of Gravity
- DC: Direct Current
- DL: Double Lift
- EL: Ergonomic Lift
- FLD: Free Lift Duplex
- FLQ: Free Lift Quadruplex
- FLT: Free Lift Triplex
- FR: Wrapover Forks (Fourches Recouvrantes)
- FVD: Full Visibility Duplex

- FVT: Full Visibility Triplex
- GPF: Counterbalanced stacker (Gerbeur porte-àfaux)
- HD: Heavy Duty
- HL: High Lift
- HF: High Frequency
- LI: Initial Lift (Levée Initiale)
- LE: Straddle Legs (Longerons Encadrants)
- PPS: Pneus Plein Souple
- PU: Polyurethane
- SL: Lateral Battery Exchange (Sortie Latérale)
- VNA: Very Narrow Aisle

