

# PTE15N ♦ PTE20N

## "EDGE"



**Lithium electric pallet truck**  
**1500 and 2000 kg maximum load capacity**



### INTRODUCTION

The new electric pallet truck "EDGE" PTE15N and PTE20N series are at the forefront of innovation.

Powered with lithium-ion battery, they combine the advantages of a compact pallet truck and the efficiency of an electric pallet truck.

### THE NEW HANDLING STANDARD

- Ergonomic and intelligent handle
- Sturdy chassis and innovative design
- Lithium-ion battery
- Easy maintenance

### FEATURES

- Innovative and lightweight product with robust and compact design
- Fast battery charging, only 2,5 hours
- Easy battery exchange
- Operates with an integrated PIN-code panel
- RFID equipped on PTE20N version and available in option on PTE15N
- Equipped with several shock-absorbing casters

#### Available in option

- Single rollers
- Different fork dimensions
- Custom colors



#### • Charging backrest



**PTE15N**



## Ergonomic and smart handle



The EDGE handle specially shaped ergonomic design is slightly rounded and has soft grips for increased comfort. To operate, the handle has an integrated PIN-code panel with LCD display. The handle has an air spring on the tiller bar for greater flexibility. Slow speed mode (turtle mode) provides traveling speed control when turning for additional safety.



LCD display - battery indicator, operating hour counter, error codes



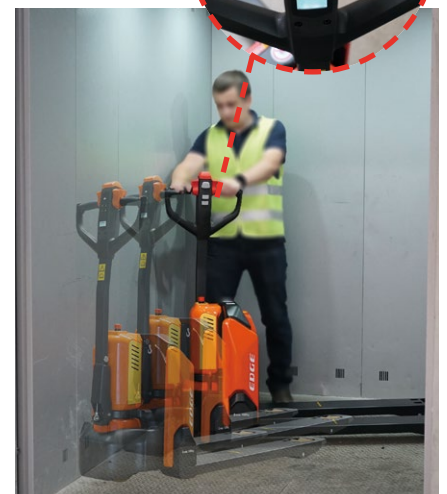
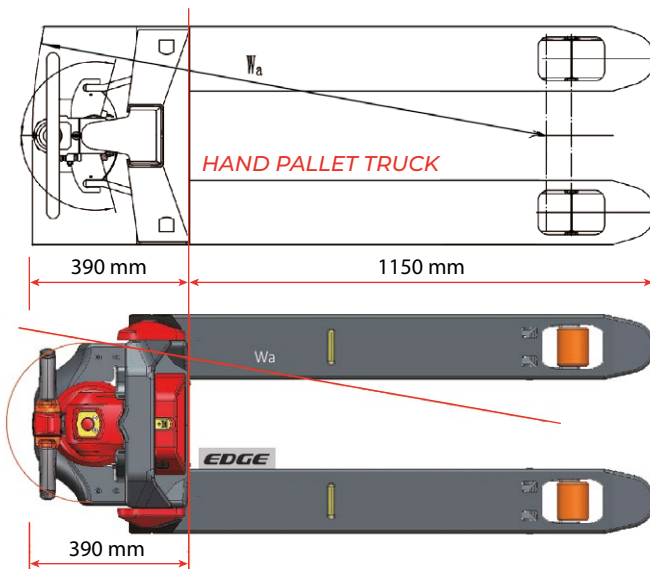
**RFID card access on PTE20N (available in option on PTE15N)**

RFID card provides quick access to the equipment. Ideal when the pallet truck needs to be used by different operators.

## Functional pallet truck

PTE15N total length is smaller than a standard manual pallet truck while keeping the same fork length. It is one of the most versatile electric pallet trucks on the market. Its turning radius is only 1274 mm with forks on raise position.

Series	Total Length	Turning Radius	Service Weight
PTE15N	1530 mm	1330 mm	123 kg
PTE20N	1536 mm	1336 mm	149 kg



The new EDGE has a standard driving system to travel with the handle in vertical position (90°). Perfect for tight spaces (elevators, narrow-aisles...).

## Lithium-ion battery

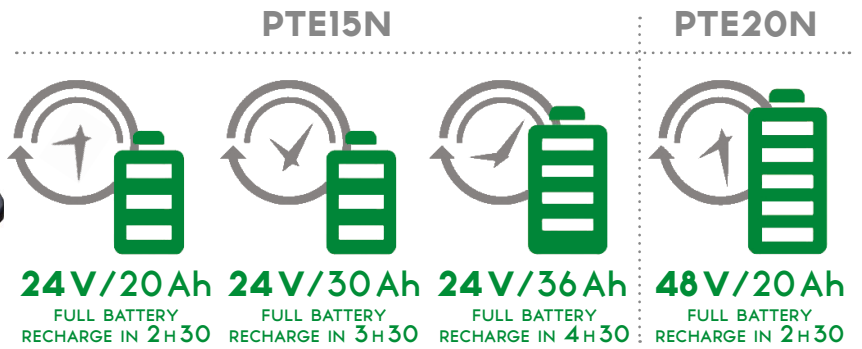


The PTE15N and PTE20N pallet trucks are equipped with maintenance-free Li-ion batteries. Different Ah battery capacities are available in option. Operational time can be extended thanks to its fast and easy charging (recharge whenever you want for as long as you want). All pallet truck batteries are securely located in battery compartments to avoid any accidental movement for enhanced power supply reliability.



### Lithium-ion battery

PTE15N is equipped with a lithium-ion 24V/20Ah battery in standard series. Other battery capacities (30 or 36 Ah) are available in option.



### Higher productivity

Thanks to the battery's lightweight (max. 3,6 kg) and its easy replacement system, it is possible to do twice the work in half the time. Batteries owe their lightweight to Li-ion technology. These batteries have a high energy density / low weight ratio.



### Socket charger on the battery case

The battery is fully charged in only 2,5 hours for 3 hours of working autonomy.

The Integrated **BMS** (Battery Management System) controls all critical parameters to ensure the best performance and a long-lasting lifetime.



### Easy access

Positioning the battery inside the compartment is simple and easy, thanks to a specially designed guiding system.

### Quality materials

This pallet truck's battery case is made of 70% PC / ABS and 30% fiberglass.

### R.367 CNAM recommendation (french higher education establishment)

CNAM advocates using an electric pallet truck for all pallet handling operations: above 360 kg for female operators and 600 kg for male operators.

All Li-ion batteries are equipped with an on-board Battery Management System (BMS), which provides mandatory control of all key battery parameters while charging and operating.

The Li-ion battery safety is therefore guaranteed during its whole life-cycle. The Li-ion batteries are certified according to international safety transportation (by sea and by air) and operation standards. The BMS communicates with the pallet truck electronic control system via CAN-BUS. CAN-BUS protocols can monitor the battery's condition and makes diagnostics using a special software available to our partners.



## Robust frame innovative design

Robust and compact best describe the new EDGE mainframe. Everything has been thought to increase the unit robustness while keeping an extremely lightweight: 123 kg



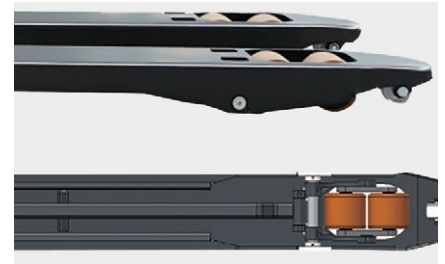
Lifting capacity up to 1500 kg - Great ramp performance

Series	Max. slope w / load	Max. slope w / o load
PTE15N	4%	16%
PTE20N	7%	16%



### Steel mainframe

The different steel elements of the mainframe are removable for greater robustness and customization.



### Forks design

Forks have been specially designed to ease the entry and exit of pallets.

Full length double sided C-shape forks reinforcements increase the strength and rigidity of the frame significantly.



### Shock-absorber stabilizers

The EDGE is fitted with a steel guard to protect the operator and the motor.

## Easy maintenance

Pallet trucks are equipped with Curtis controllers. In addition, CAN-bus technology makes diagnosis and troubleshooting easier.



The use of proved and certified components ensures conformity to international safety standards with all supporting documents available as required by law.

CAN-BUS



There are no hoses or pipes used on the hydraulic lifting circuit of the pallet trucks, which significantly reduces the number of potential problems related to leakages through connectors or their seals. Each battery can be diagnosed via CAN-BUS connection through a unique software tool. The software can provide information about the battery's condition such as cell balance, the number of charging/discharging cycles, current, energy consumption, temperature, charging/discharging parameters, each cell voltage, faults and alarms, timing settings, and automatic turn off.

# Electric lithium pallet truck

1.5 tonne


**by** *stockman*

## PTE15N

Model		PTE15N	PTE15N/36AH	PTE15NC
Trade name		EDGE	EDGE	EDGE
Drive		electric	electric	electric
Operator type		pedestrian	pedestrian	pedestrian
Rated capacity	Q(t)	1,5	1,5	1,5
Weight with battery	kg	123	123	124
Wheel material		PU/PU	PU/PU	PU/PU (Belt wheels)
Drive wheel dimensions	mm	Ø210x70	Ø210x70	Ø210x70
Front roller dimensions	mm		Ø80 x 70 (single roller =80x93)	
Stabilizing rollers dimensions	mm	Ø80 x 30	Ø80 x 30	Ø80 x 30
Standard lift	h3 (mm)	115	115	115
Height of the tiller arm in running position min / max	h14 (mm)	700 / 1160	700 / 1160	700 / 1160
Minimum fork height	h13 (mm)	80	80	80
Overall length	l1 (mm)	1530	1530	1530
Length to the front of the forks	l2 (mm)	380	380	380
Overall width	b1 (mm)	540	540	540
Fork dimensions	s/e/l (mm)	47 / 160 / 1150	47 / 160 / 1150	47 / 160 / 1150
Width across forks	b5 (mm)	540	540	685
Ground clearance	m2 (mm)	33	33	33
Aisle width with pallet 800 x 1200 mm long	Ast (mm)	2000	2000	2000
Turning radius	Wa (mm)	1330	1330	1330
Travel speed without / with load	km/h	4,8 / 4,6	4,8 / 4,6	4,8 / 4,6
Lift speed without / with load	mm/s	25 / 20	25 / 20	25 / 20
Lowering speed without / with load	mm/s	50 / 40	50 / 40	50 / 40
Permissible slope without / with load	%	16 / 4	16 / 4	16 / 4
Service brake		electromagnetic	electromagnetic	electromagnetic
Traction motor, power S2 60 min	kW	0,65	0,65	0,65
Lift motor rating at S3 10%	kW	0,5	0,5	0,5
Battery voltage / nominal capacity K5	V/Ah	24 / 20	24 / 36	24 / 20 (24 / 30 ou 24 / 36 in option)
Battery weight	kg	3,6	3,6	3,6
Noise level according to EN 12053, driver's ear	dB(A)	< 69	< 69	< 69

# Electric lithium pallet truck

1.5tonne


**by**stockman

## PTE15N

Model		PTE15NL	PTE15N800
Trade name		EDGE	EDGE
Drive		electric	electric
Operator type		pedestrian	pedestrian
Rated capacity	Q (t)	1,5	1,5
Weight with battery	kg	126	120
Wheel material		PU/PU	PU/PU
Drive wheel dimensions	mm	Ø 210x70	Ø 210x70
Front roller dimensions	mm	Ø 80 x 70 (single roller = 80x93)	
Stabilizing rollers dimensions	mm	Ø 80 x 30	Ø 80 x 30
Standard lift	h3 (mm)	115	115
Height of the tiller arm in running position min / max	h14 (mm)	700 / 1160	700 / 1160
Minimum fork height	h13 (mm)	80	80
Overall length	l1 (mm)	1530	1180
Length to the front of the forks	l2 (mm)	380	380
Overall width	b1 (mm)	685	540
Fork dimensions	s/e/l (mm)	47 / 160 / 1150	47 / 160 / 800
Width across forks	b5 (mm)	685	540
Ground clearance	m2 (mm)	33	33
Aisle width with pallet 800 x 1200 mm long	Ast (mm)	2000	2000
Turning radius	Wa (mm)	1330	1330
Travel speed without / with load	km/h	4,8 / 4,6	4,8 / 4,6
Lift speed without / with load	mm/s	25 / 20	25 / 20
Lowering speed without / with load	mm/s	50 / 40	50 / 40
Permissible slope without / with load	%	16 / 4	16 / 4
Service brake		electromagnetic	electromagnetic
Traction motor, power S2 60 min	kW	0,65	0,65
Lift motor rating at S3 10%	kW	0,5	0,5
Battery voltage / nominal capacity K5	V/Ah	24 / 20 (24 / 30 ou 24 / 36 in option)	
Battery weight	kg	3,6	3,6
Noise level according to EN 12053, driver's ear	dB (A)	< 69	< 69

# Electric lithium pallet truck

1.5tonne

by **stockman**

## PTE15N



Photos and dimensions are not contractual. The manufacturer reserves the right to make any modification without notice.

Model		PTE15NLOW61S	PTE15N-1500
Trade name		EDGE	EDGE
Drive		electric	electric
Operator type		pedestrian	pedestrian
Rated capacity	Q (t)	1,5	1,5
Weight with battery	kg	123	126
Wheel material		PU/PU	PU/PU
Drive wheel dimensions	mm	Ø 210 x 70	Ø 210 x 70
Front roller dimensions	mm	Ø 80 x 70 (single roller = 80 x 93)	Ø 80 x 70
Stabilizing rollers dimensions	mm	Ø 80 x 30	Ø 80 x 30
Standard lift	h3 (mm)	115	115
Height of the tiller arm in running position min / max	h14 (mm)	700 / 1160	700 / 1160
Minimum fork height	h13 (mm)	61	80
Overall length	l1 (mm)	1530	1530
Length to the front of the forks	l2 (mm)	380	380
Overall width	b1 (mm)	540	685
Fork dimensions	s/e/l (mm)	47 / 160 / 1150	47 / 160 / 1500
Width across forks	b5 (mm)	540	685
Ground clearance	m2 (mm)	33	33
Aisle width with pallet 800 x 1200 mm long	Ast (mm)	2000	2000
Turning radius	Wa (mm)	1330	1330
Travel speed without / with load	km/h	4,8 / 4,6	4,8 / 4,6
Lift speed without / with load	mm/s	25 / 20	25 / 20
Lowering speed without / with load	mm/s	50 / 40	50 / 40
Permissible slope without / with load	%	16 / 4	16 / 4
Service brake		electromagnetic	electromagnetic
Traction motor, power S2 60 min	kW	0,65	0,65
Lift motor rating at S3 10%	kW	0,5	0,5
Battery voltage / nominal capacity K5	V/Ah	24 / 20 (24 / 30 ou 24 / 36 in option)	
Battery weight	kg	3,6	3,6
Noise level according to EN 12053, driver's ear	dB (A)	< 69	< 69

# Electric lithium pallet truck

1.5tonne


**by**stockman

## PTE20N

Model		PTE20N	PTE20NL
Trade name		EDGE	EDGE
Drive		electric	electric
Operator type		pedestrian	pedestrian
Rated capacity	Q(t)	2	2
Weight with battery	kg	149	153
Wheel material		PU / PU	PU / PU
Drive wheel dimensions	mm	Ø 210 x 70	Ø 210 x 70
Front roller dimensions	mm	Ø 80 x 70 (single roller = 80 x 93)	Ø 80 x 70 (single roller = 80 x 93)
Stabilizing rollers dimensions	mm	Ø 80 x 30	Ø 80 x 30
Standard lift	h3 (mm)	115	115
Height of the tiller arm in running position min / max	h14 (mm)	700 / 1160	700 / 1160
Minimum fork height	h13 (mm)	80	80
Overall length	l1 (mm)	1536	1536
Length to the front of the forks	l2 (mm)	386	386
Overall width	b1 (mm)	540	685
Fork dimensions	s/e/l (mm)	47 / 160 / 1150	47 / 160 / 1150
Width across forks	b5 (mm)	540	685
Ground clearance	m2 (mm)	33	33
Aisle width with pallet 800 x 1200 mm long	Ast (mm)	2006	2006
Turning radius	Wa (mm)	1336	1336
Travel speed without / with load	km/h	5,2 / 4,8	5,2 / 4,8
Lift speed without / with load	mm/s	22 / 17	22 / 17
Lowering speed without / with load	mm/s	50 / 30	50 / 30
Permissible slope without / with load	%	16 / 7	16 / 7
Service brake		electromagnetic	electromagnetic
Traction motor, power S2 60 min	kW	0,75	0,75
Lift motor rating at S3 10%	kW	0,8	0,8
Battery voltage / nominal capacity K5	V/Ah	48 / 20	48 / 20
Battery weight	kg	7,5	7,5
Noise level according to EN 12053, driver's ear	dB(A)	< 69	< 69



# Transpalette électrique lithium

1.5 tonne



## PTE20N

by **stockman**



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Model		PTE20N-1800	PTE20N-2000
Trade name		EDGE	EDGE
Drive		electric	electric
Operator type		pedestrian	pedestrian
Rated capacity	Q (t)	1,5	1,2
Weight with battery	kg	177	200
Wheel material		PU / PU	PU / PU
Drive wheel dimensions	mm	Ø 210 x 70	Ø 210 x 70
Front roller dimensions	mm	Ø 80 x 93 (single roller = 80 x 70)	Ø 80 x 93 (single roller = 80 x 70)
Stabilizing rollers dimensions	mm	Ø 80 x 30	Ø 80 x 30
Standard lift	h3 (mm)	115	115
Height of the tiller arm in running position min / max	h14 (mm)	700 / 1160	700 / 1160
Minimum fork height	h13 (mm)	80	80
Overall length	l1 (mm)	2186	2386
Length to the front of the forks	l2 (mm)	386	386
Overall width	b1 (mm)	540	540
Fork dimensions	s/e/l (mm)	47 / 160 / 1800	47 / 160 / 2000
Width across forks	b5 (mm)	540	540
Ground clearance	m2 (mm)	33	33
Aisle width with pallet 800 x 1200 mm long	Ast (mm)	2516	2835
Turning radius	Wa (mm)	1986	2186
Travel speed without / with load	km/h	5,2 / 4,8	5,2 / 4,8
Lift speed without / with load	mm/s	22 / 17	22 / 17
Lowering speed without / with load	mm/s	50 / 30	50 / 30
Permissible slope without / with load	%	16 / 7	16 / 7
Service brake		electromagnetic	electromagnetic
Traction motor, power S2 60 min	kW	0,75	0,75
Lift motor rating at S3 10%	kW	0,8	0,8
Battery voltage / nominal capacity K5	V/Ah	48 / 20	48 / 20
Battery weight	kg	7,5	7,5
Noise level according to EN 12053, driver's ear	dB (A)	< 70	< 70