

NEW *Noblelift Products*
ARRIVAL

ION
SMART BATTERY



PT 16/20L-Li

LITHIUM POWERED PALLET TRUCK

RATED CAPACITY 1600/2000KG

www.noblelift.com

NOBLELIFT

PT 16/20L-Li LITHIUM POWERED PALLET TRUCK

High performance, comfort, safety, and reliability, combined with low maintenance costs, PT16/20L-Li is an ideal tool for handling palletized goods in warehouses, supermarkets, workshops.

High Performance

- Powerful, with a load capacity of 1.6-2.0 tons, meeting the needs of the vast majority of customers.
- Extremely small turning radius (PT16L-Li less than PT16L, PT20L-Li less than PT20L), good performance and flexible operation in narrow aisles.
- Optional CURTIS controller for efficient and excellent control performance.
- Great gradeability performance.
- High-power drive system with great capability of passing obstacles.

Comfort and Safety

- Reliable and ergonomically designed multi-function long tiller, ensuring all operations can be achieved by one hand easily.
- Optional speed reduction at turning, achieving safe operation effectively.
- With PIN CODE panel and keyless start button, faster and more convenient to start.
- The long tiller with buffering air spring can better protect the handle and ensure the safety of the operator.

Stability and Reliability

- More robust and durable steel chassis frame, stable and reliable, achieving a long service life.
- Rigid connection of drive end with battery compartment.
- Equipped with entry rollers and balance wheels, making it more stable.

Repair and Maintenance

- External programming port, diagnosing faults without removing the cover.
- Maintenance friendly, parts are easily accessible by simply removing the cover.
- Battery discharge indicator, displaying power level and failure codes.



Standard Lithium Battery

Energy saving and high efficiency



All Li-ion batteries are equipped with built-in Battery Management System(BMS), which provides mandatory control of all important parameters of the battery during charging and operation. With this control, the safety of Li-ion battery during the whole life-cycle is guaranteed and make its diagnosis and repair with special software. The BMS communicates with control system of the truck via CAN-BUS, uploading key status data.

Li-ion
2-3 小时
100%



Type sheet for industrial truck acc. to VDI 2198

NO.20241206

Distinguishing mark

1.2	Manufacturer's type designation		PT16L-Li	PT20L-Li			
1.3	Drive		Battery	Battery			
1.4	Operator type		Pedestrian	Pedestrian			
1.5	Load Capacity / rated load	Q (kg)	1600	2000			
1.6	Load centre distance	c (mm)	600	600			
1.8	Load distance ,centre of drive axle to fork	x (mm)	966	966			
1.9	Wheelbase	y (mm)	1258	1258	1336		

Weight

2.1	Service weight	kg	357	357	411		
2.2	Axle loading, laden front/rear	kg	991/966	991/966	674/1237		
2.3	Axle loading, unladen front/rear	kg	295/62	295/62	333/78		

Tyres, chassis

3.1	Tires		PU	PU				
3.2	Tire size,front	Øxw (mm)	Ø230×70	Ø230×70				
3.3	Tire size,rear	Øxw (mm)	Ø84×84/Ø82×110 ¹⁾	Ø84×84/82×110	Ø74×84/74×110			
3.4	Additional wheels(dimensions)	Øxw (mm)	Ø100×40	Ø100×40				
3.5	Wheels,number front/rear(x=driven wheels)		1×+2/4	1×+2/4				
3.6	Tread, front	b10 (mm)	510	510				
3.7	Tread, rear	b11 (mm)	367	512	367	512	367	512

Dimensions

4.4	Lift	h3 (mm)	120	120				
4.9	Height of tiller in drive position min./ max.	h14 (mm)	740 / 1190	740/1190				
4.15	Height, lowered	h13 (mm)	85/83 ²⁾	85/83/80				
4.19	Overall length	l1 (mm)	1590	1590	1668			
4.20	Length to face of forks	l2 (mm)	440	440	518			
4.21	Overall width	b1 (mm)	729	729				
4.22	Fork dimensions	s/e/l (mm)	60/173/1150	60/173/1150				
4.25	Distance between fork- arms	b5 (mm)	540	685	540	685	540	685
4.32	Ground clearance, centre of wheelbase	m2 (mm)	25/28 ³⁾	25/28				
4.34	Aisle width for pallets800X1200 lengthways (200mm safe distance)	Ast (mm)	2086	2086	2156			
4.35	Turning radius	Wa (mm)	1422	1422	1482			

Performance data

5.1	Travel speed, laden/ unladen	km/h	5.7/6.0	5/6			
5.2	Lift speed, laden/ unladen	m/s	0.025/0.035	0.025/0.035			
5.3	Lowering speed, laden/ unladen	m/s	0.035/0.030	0.053/0.036			
5.8	Max. gradeability, laden/ unladen	%	10/20	12/20			
5.10	Service brake		Electromagnetic	Electromagnetic			

Electric- engine

6.1	Drive motor rating S2 60min	kW	1.3	1.7			
6.2	Lift motor rating at S3 10%	kW	0.8	0.8			
6.4	Battery voltage, nominal capacity K2	V/Ah	24/100	24/100	24/150		
6.5	Battery weight	kg	29.5±0.5	29.5±0.5	57±5		
6.6	Energy consumption acc. to VDI cycle	KWh/h	0.187	0.319			

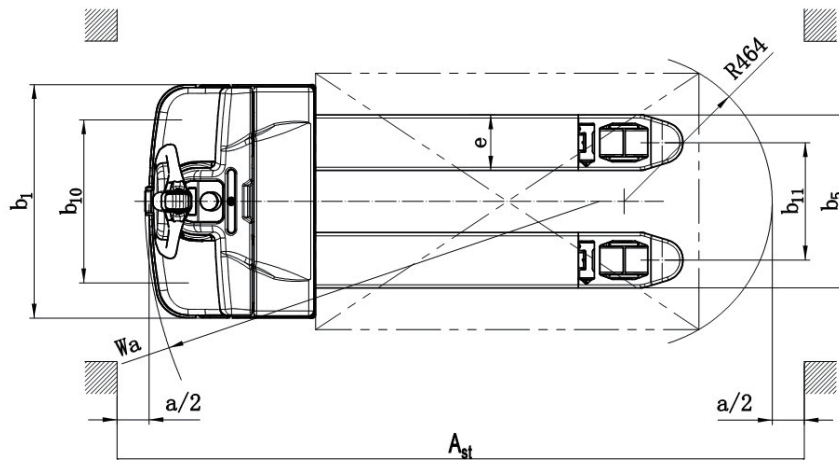
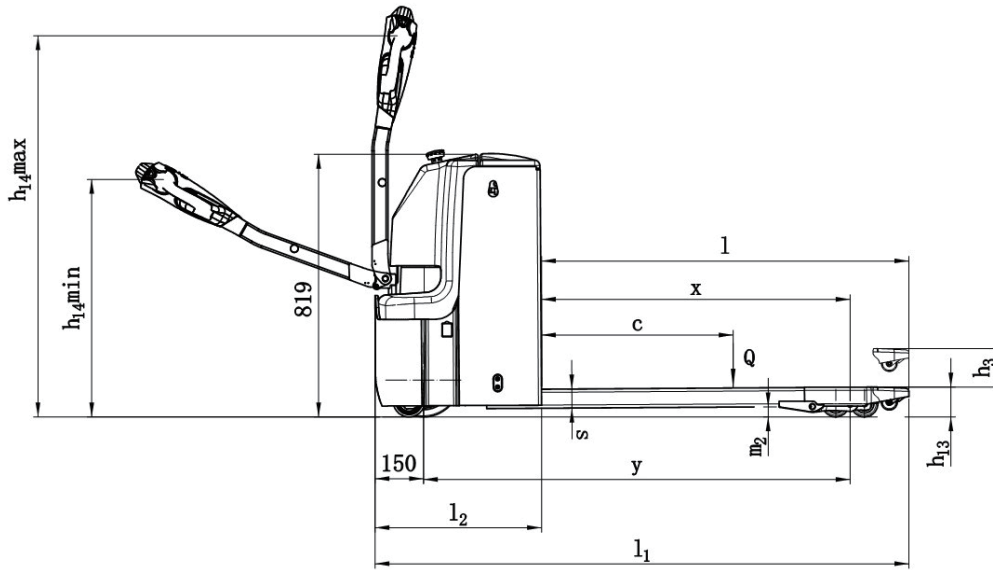
Addition data

8.1	Type of drive control		AC	AC			
8.4	Sound level at driver's ear acc. to EN 12053	dB (A)	<70	<70			

Notes:

- 1) When h13 is 85mm, m2 is 25mm , With 84×84 double wheel;
- 2) When h13 is 83mm, m2 is 28mm , With 82×110 single wheel;
- 3) When h13 is 80mm, m2 is 25mm , With 74×84 double wheel or 74×110 single wheel;
- 4) When y is 1258mm, Optional lithium battery with heating 24V100Ah and built-in charger 24V20Ah (100Ah), Service weight is 347kg, Axle loading, laden front/rear is (986kg/961kg), Axle loading, unladen front/rear is (290kg/57kg);
- 5) When y is 1336mm, Optional lithium battery with heating 24V150Ah and built-in charger 24V20Ah (150Ah), Service weight is 401kg, Axle loading, laden front/rear is (669kg/1232kg), Axle loading, unladen front/rear is (328kg/73kg).

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