

NOBLELIFT

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Avant

Lithium Powered Pallet Truck



NOBLELIFT INTELLIGENT EQUIPMENT CO., LTD.

Brief Introduction of Avant

The inspiration for Avant comes from the PT16/20L series, which has a decade of successful market experience in heavy-duty models. It inherits the classic enclosed box-type design, featuring a more robust structure, higher waterproof and dustproof ratings, along with strong power. At the same time, it possesses the lightness and flexibility of a small material-handling vehicle, capable of efficiently working in various narrow spaces such as supermarkets, warehouses, logistics centers, sorting centers, truck compartments, containers, and freight elevators.



On-Board Working

Optimized vehicle dimensions and self-weight make it more convenient to use inside trucks and elevators, occupying less cargo weight and space.

(optional) 24V 8A truck charger available for on-board charging.



(Optional) On-board charger

Small turning radius



The vehicle is capable of safely making turns in confined spaces.

The compact vehicle body design, coupled with the upright walking function, is capable of handling work in narrow spaces such as truck compartments, containers, freight elevators, small warehouses, and supermarket aisles.

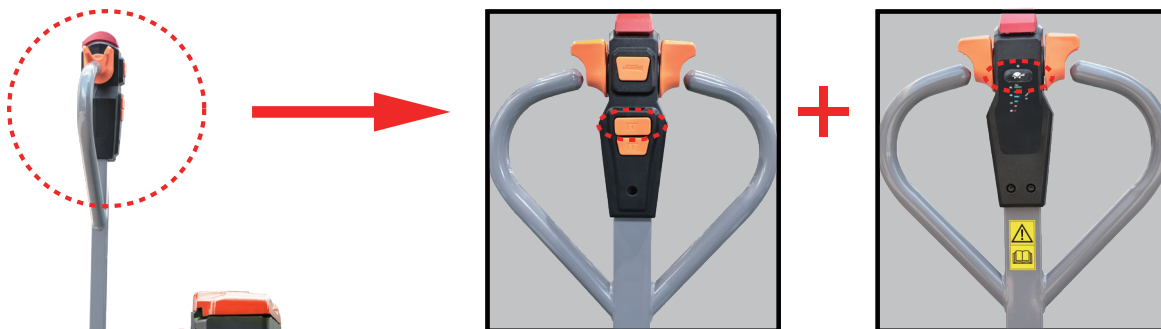
The handle is integrated with multiple functions, making operation convenient. It comes standard with a battery level display and fault indicator, allowing the vehicle's condition to be easily assessed at a glance, enhancing vehicle management safety. All switches and buttons are ergonomically designed for easy operation.



Emergency Mode

Press and hold the descent button and the turtle-speed switch on the handle for 7 seconds, and the brake will be released. This allows you to move the vehicle by manually pulling it, without assistance from another vehicle.

 The brake release is for emergency vehicle relocation only and must not be used for regular operation.



Performance & Strength

The enclosed body structure provides excellent protection for the main components while ensuring the safety of the operator.



Forks feature a unique structural design that allows for quick entry and exit from pallets. The leg plates are designed with an integrated stamping process, maximizing the strength of the forks.



Avant is equipped with a 24V DC permanent magnet motor and large-diameter drive wheels, offering strong obstacle-overcoming capabilities.



The classic enclosed box-type design ensures a more robust structure with higher waterproof and dustproof ratings.

High-strength frame design

High-strength and compact frame design ensures the strength of the frame without increasing self-weight.

With a larger climbing angle, capable of reaching up to 6% even when fully loaded, the vehicle can be easily operated on palletizing platforms and in various other delivery environments.

Green energy & Easy maintenance

Optional different Battery Capacities for applications

Avant comes standard with maintenance-free lithium iron phosphate batteries, equipped with an integrated BMS (Battery Management System) that ensures intelligent battery control and maximizes performance.



24V/20Ah



24V/40Ah



24V/60Ah



An external programming port makes parameter adjustments and overall vehicle maintenance more convenient and efficient.



The hydraulic system is highly integrated with the electrical system, facilitating easy installation and maintenance.



One-piece steel battery cover that is waterproof and dustproof.



The steel battery cover can be easily opened with a light click, allowing for quick battery replacement.



Type sheet for industrial truck acc. to VDI 2198

No.20240722

Identification

1.2	Manufacturer's type designation		PWB-150	PWB-200
1.3	Drive		Battery	Battery
1.4	Operator type		Pedestrian	Pedestrian
1.5	Load Capacity / rated load	Q (t)	1.5	2.0
1.6	Load centre distance	c (mm)	600	600
1.8	Load distance ,centre of drive axle to fork	x (mm)	947	947
1.9	Wheelbase	y (mm)	1189	1189

Weights

2.1	Service weight	kg	130	140	139	148
2.2	Axle loading, laden front/rear	kg	520/1110	525/1115	525/1114	528/1120
2.3	Axle loading, unladen front/rear	kg	99/31	108/32	107/32	114/34

Wheels, Chassis

3.1	Tires		PU		PU	
3.2	Tire size,front	Øx w (mm)	Ø210×75		Ø210×75	
3.3	Tire size,rear	Øx w (mm)	Ø 80×60 (80×83)		Ø 80×60 (80×83)	
3.4	Wheels,number front/rear(x=driven wheels)		1x/ 2(1x/ 4)		1x/ 2(1x/ 4)	
3.7	Tread, rear	b11 (mm)	380	525	380	525

Basic Dimensions

4.4	Lift	h3 (mm)	115		115	
4.9	Height of tiller in drive position min./ max.	h14 (mm)	630 / 1230		630 / 1230	
4.15	Height, lowered	h13 (mm)	80		80	
4.19	Overall length	l1 (mm)	1530		1530	
4.20	Length to face of forks	l2 (mm)	380		380	
4.21	Overall width	b1 (mm)	540	685	540	685
4.22	Fork dimensions	s/e/l (mm)	50 / 160 / 1150		50 / 160 / 1150	
4.25	Width across forks	b5 (mm)	540	685	540	685
4.32	Ground clearance, centre of wheelbase	m2 (mm)	30		30	
4.34	Aisle width for pallets800X1200 lengthways(200mm safe distance)	Ast (mm)	2005		2005	
4.35	Turning radius	Wa (mm)	1332		1332	

Performance Data

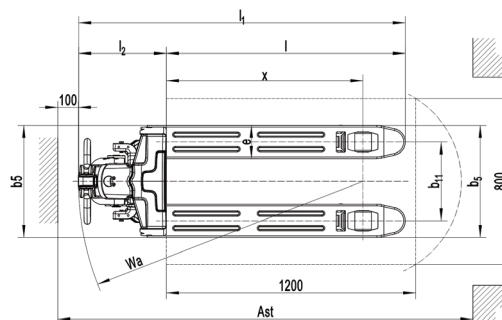
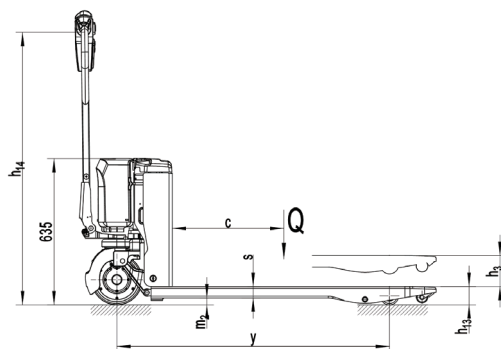
5.1	Travel speed, laden/ unladen	km/h	4.2/4.3	4.2/4.6
5.2	Lift speed, laden/ unladen	m/s	0.017/0.024	0.015/0.020
5.3	Lowering speed, laden/ unladen	m/s	0.027 / 0.047	0.024/0.033
5.8	Max. gradeability, laden/ unladen	%	6/20	7/20
5.10	Service brake		Electromagnetic	Electromagnetic

E-Motor

6.1	Drive motor rating S2 60min	kW	0.75	1.0
6.2	Lift motor rating at S3 10%	kW	0.5	0.8
6.3	Battery acc. to DIN 43531/ 35/ 36 A, B, C, no		No	No
6.4	Battery voltage, nominal capacity K5	V / Ah	24/20(24/40; 24/60)	48 /10(48 / 20)
6.5	Battery weight	kg	5.9	6
6.6	Energy consumption acc. to VDI cycle	kWh/h	0.188	0.264

Other Details

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





Official website



Our Wechat



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