ET158

ELECTRIC PALLET TRUCK

1500 kg | 110 mm | 48 V Li-Ion

Ideal for high-density warehousing, retail supply chain back rooms, and manufacturing stock-rooms where agility and throughput matter, the ET158 excels in tasks such as pallet loading/unloading, staging goods for dispatch, and maneuvering in tight corridors. Its design supports operators working in compact storage zones or tail-lift delivery environments, making it a versatile tool for diverse industries.

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			EP
Model designation			ET158
Battery voltage		V	48
Rated capacity	Q	kg	1500
Load centre distance	c	mm	600
Service weight		kg	118
Lift	h_3	mm	110
Overall length	l_1	mm	1566
Overall width	b_1/b_2	mm	560（685）
Length to face of forks	l_2	mm	416
Fork dimensions	s/e/l	mm	55/150/1150
Turning radius	Wa	mm	1403
Drive			Electric
Operator type			Pedestrian
Load distance, centre of drive axle to fork	x	mm	947
Wheelbase	y	mm	1198

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Features

Robust 1.5-tonne load capacity

With a rated capacity of 1,500 kg, the ET158 handles standard pallet loads with ease. Its construction is designed to ensure stability and performance under sustained use.

Compact design and tight turning radius

With a turning radius of approximately 1,403 mm and a width of 685 mm, the ET158 manoeuvres easily in narrow aisles and tight spaces where larger trucks struggle.

Efficient battery system

Powered by a 48 V battery (10 Ah standard, optional 20 Ah), the ET158 offers reliable runtime for typical shifts and supports efficient operations without frequent downtime.

Low-weight, versatile design

At just 115 kg (including battery), the ET158 is lightweight for its class while offering pedestrian operation, making it flexible for both warehouse and delivery-zone use.

VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			ET158
1.3	Drive			Electric
1.4	Operator type			Pedestrian
1.5	Rated capacity	Q	kg	1500
1.6	Load centre distance	c	mm	600
1.8	Load distance, centre of drive axle to fork	x	mm	947
1.9	Wheelbase	y	mm	1198
2.1	Service weight		kg	118
2.2	Axle loading, laden front/rear		kg	530/1088
2.3	Axle loading, unladen front/rear		kg	96/22
3.1	Tyres			Polyurethane
3.2	Tyre size, front		mm	Φ190x55

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	SPECIFICATION	REF	UNIT	VALUE
3.3	Tyre size, rear		mm	Φ80x61
3.4	Additional wheels (castor wheels)		mm	Φ74x30
3.5	Wheels, number front/rear (x=drive wheels)			1x-/4
3.6	Tread width, front	b_{10}	mm	410
3.7	Tread width, rear	b_{11}	mm	410 (535)
4.4	Lift	h_3	mm	110
4.9	Height drawbar in driving position min./max.	h_{14}	mm	650/1200
4.15	Height, lowered	h_{13}	mm	80
4.19	Overall length	l_1	mm	1566
4.20	Length to face of forks	l_2	mm	416
4.21	Overall width	b_1/b_2	mm	560 (685)
4.22	Fork dimensions	s/e/l	mm	55/150/1150
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2163
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2076
4.35	Turning radius	Wa	mm	1403
5.1	Travel speed, laden/unladen		km/h	4.5/5.0
5.2	Lift speed, laden/unladen		m/s	0.022/0.025
5.3	Lowering speed, laden/unladen		m/s	0.065/0.060
5.8	Max. gradeability, laden/unladen		%	8/16
5.10	Service brake			Electromagnetic
6.1	Drive motor rating S2 60 min		kW	0.75
6.2	Lift motor rating at S3 15%		kW	0.8
6.4.1	Battery voltage		V	48
6.4.2	Battery nominal capacity K5		Ah	10
6.4.3	Battery type			Li-Ion
6.5	Battery weight		kg	6.5
8.1	Type of drive unit			DC
10.5	Steering design			Mechanical
10.7	Sound pressure level at the driver's seat		dB(A)	<74

Subject to modification of specifications and designs without prior notice as part of continuous product improvement. Images and technical data shown may include optional features and are provided for reference only. All dimensions are subject to standard manufacturing tolerances.

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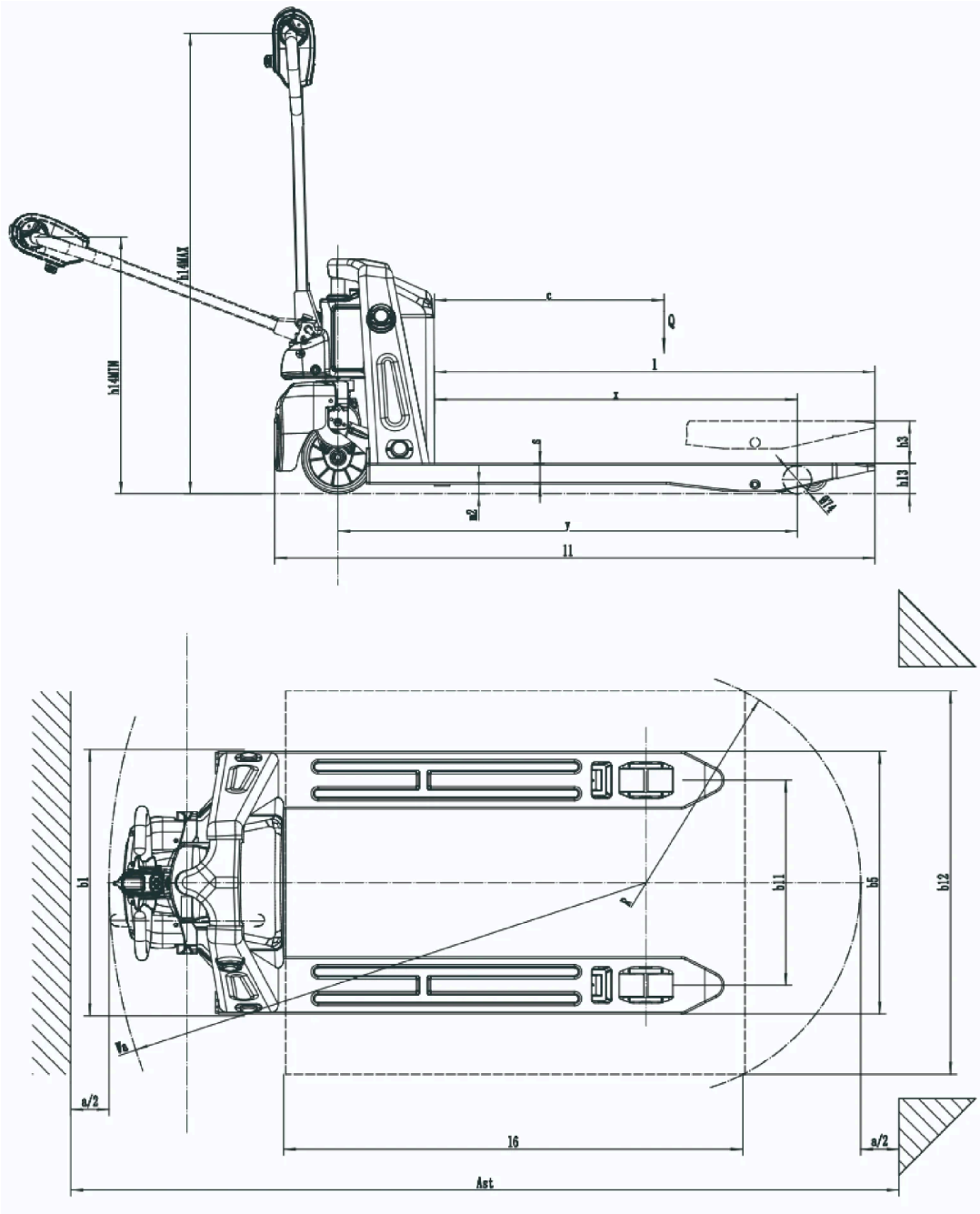
VDI Drawing



Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	1150 | 800 | 900 | 1000 | 1220 | 1350 | 1400 | 1500 | 1600 | 1700 | 1800 | 2000
Fork lowered height	80
Load wheel type	Double | Single
Load wheel material	PU

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ITEM	OPTIONS (optional items marked in yellow)
Drive wheel material	PU
Battery capacity	48V/10Ah Li-ion | 48V/20Ah Li-ion
Charger	48V-5A external charger
Battery indicator	Without hourmeter
Handle head type	ET2 type handle
Castor wheels	No | Yes and not customized
Buzzer	Yes and not customized
Vertical handler working	Yes and not customized
Drive assembly	Yes and not customized
Drive cover off the ground	50mm

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