



# 16~20UPT

## Urban Pallet Truck 1.6-/2.0t

48V enhanced power, Ideal for out-door solutions  
Designed to cope with complex environments



High Obstacle Road Bumps Narrow Space

# N FEATURE

**Light service weight, high rated capacity, not limited by floor type:**

Minimum size vs 2.0ton capacity, with 1465mm turning radius.

**High passability design:**

20UPT can easily drive through 100mm height barrier with patent roll-over load wheel and large drive wheel.

80mm lowered height and 140mm lifting height giving flexibility for pallet and application.

**Easy disassembly handle design:**

Pin through tiller style reduces shipping cost and installation time greatly.

**DC brushless permanent magnet motor:**

Life time maintenance free brushless permanent magnet motor.

**Innovative frame design:**

Distribute majority weight to bottom chassis by patent designed cylinder structure.

**Shock absorb chassis design:**

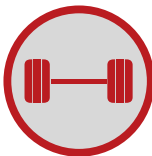
Special linkage design minimise the driving difference between smooth ground and rough ground.

**48V electronic system:**

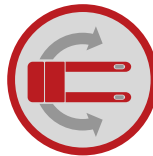
48V electronic system increases efficiency and reliability.

**Easy maintenance:**

Electronic system and batteries can be completely exposed by pressing one-touch locker. Drive wheel can be replaced by loosing one nut. Retractable charging cord.



Rated Capacity up to  
**2000kg**



Turning Radius  
**1465mm**



Driving Wheels diameter x width  
**250x74mm**



Lowered Height **80mm** | Max Lifting Height **220mm**



Max. gradeability laden/unladen **8% | 16%**

## Distinguishing Mark

				16UPT	20UPT
1.2	Model designation			16UPT	20UPT
1.3	Drive unit			Battery	Battery
1.4	Operator type			Pedestrian	Pedestrian
1.5	Rated capacity	Q	kg	1600	2000
1.6	Load center distance	c	mm	600	600
1.8	Load distance	x	mm	875/976	874/962
1.9	Wheelbase	y	mm	1249/1350	1248/1336
<b>Weight</b>					
2.1	Service weight ( include battery )		kg	215	220
2.2	Axle loading, laden driving side/loading side		kg	629/1189	722/1498
2.3	Axle loading, unladen driving side/loading side		kg	180/35	180/40

## Types, Chassis

3.1	Tyre type, driving wheels / loading wheels			Rubber / PU	PU / PU
3.2	Tyre size, driving wheels (diametre x width)		mm	250 x 74	250 x 74
3.3	Tyre size, loading wheels (diametre x width)		mm	4 x 80 x 40	4 x 78 x 60
3.4	Tyre size, caster wheels (diametre x width)		mm	74 x 48	74 x 48
3.5	Wheels, number driving, caster/loading (x=drive wheels)		mm	1 x 2/4	1 x 2/4
3.6	Track width, front, driving side	b <sub>10</sub>	mm	435	435
3.7	Track width, rear, driving side	b <sub>11</sub>	mm	410 (535)	410 (535)
<b>Dimensions</b>					
4.4	Lift height	h <sub>3</sub>	mm	140	140
4.9	Height drawbar in driving position min./max.	h <sub>14</sub>	mm	750/1170	750/1170
4.15	Lowered height	h <sub>13</sub>	mm	80	80
4.19	Overall length	l <sub>1</sub>	mm	1685	1685
4.20	Length to face of forks	l <sub>2</sub>	mm	535	535
4.21	Overall width	b <sub>1</sub> /b <sub>2</sub>	mm	560 (685)	560 (685)
4.22	Fork dimensions	s/e/l	mm	50/150/1150	50/150/1150
4.25	Distance between fork-arms	b <sub>5</sub>	mm	560 (685)	560 (685)
4.32	Ground clearance, center of wheelbase	m <sub>2</sub>	mm	30	30
4.34.1	Aisle width for pallets 1000 x 1200 crossways	Ast	mm	1734	1734
4.34.2	Aisle width for pallets 800 x 1200 lengthways	Ast	mm	1934	1934
4.35	Turning radius	Wa	mm	1510	1496

## Performance data

5.1	Travel speed, laden/ unladen	km/h	km/h	4/5.5	4/4.5
5.2	Lifting speed, laden/ unladen		m/ s	0.018/0.037	0.018/0.037
5.3	Lowering speed, laden/ unladen		m/ s	0.032/0.038	0.032/0.038
5.8	Max. gradeability, laden/unladen		%	10/20	8/16
5.10	Service brake type			Electromagnetic	Electromagnetic

## Electric-engine

6.1	Drive motor rating S2 60min		kW	0.75	0.75
6.2	Lift motor rating at S3 15%		kW	0.84	0.84
6.3	The maximum allowed size battery		mm	255*170*200	255*170*200
6.4	Battery 1.0ltage/nominal capacity K20		V/Ah	12*4/30	12*4/30
6.5	Battery weight		kg	9.5*4	9.5*4

## Additional data

8.1	Type of drive control			DC	DC
10.5	Steering type			Mechanical	Mechanical
10.7	Sound pressure level at the driver's ear		dB(A)	74	74

1. The parameters in the table are of the standard model. For more information, please contact us.

2. The parameters are subject to change without notice.



