



Main Forest Envi. Equip. & Eng. Co., Ltd. Trading As: - Main Power Hydraulics Machinery Co.



Electric Pallet Truck, Hand Pallet Truck and Electric Pallet Stacker 電動唧車、手動唧車及電動堆高車

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Full Product Range Catalogues For Major Utility Corporations And Major Construction

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Main Power Hydraulics Machinery Co.

Lifting Equipment

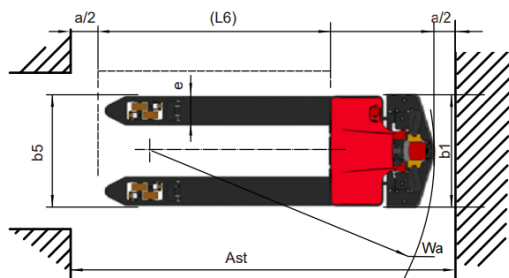


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Electric Pallet Truck, Hand Pallet Truck and Electric Pallet Stacker 電動唧車、手動唧車及電動堆高車

Electric Pallet Truck 1.5T 電動唧車 1.5 噸



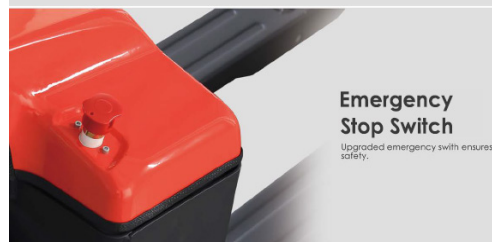
Electric Pallet Truck 1.5t

Distinguishing mark			
1.1	Manufacturer		MP
1.2	Model designation		EPT-MP15ET
1.3	Drive unit		Battery
1.4	Operator type		pedestrian
1.5	rated capacity	Q	kg 1500
1.6	Load center distance	c	mm 600
1.8	Load distance	x	mm 889/946
1.9	Wheelbase	y	mm 1261/1205
Weight			
2.1	Service weight (include battery)		kg 195
2.2	Axle loading, laden driving side/loading side		kg 565/1130
2.3	Axle loading, unladen driving side/loading side		kg 155/40
Types,Chassis			
3.1	Tyre type driving wheels/loading wheels		Rubber/PU
3.2	Tyre size, driving wheels (diameter×width)		mm Φ 210×70
3.3	Tyre size, loading wheels (diameter×width)		mm 2x Φ 78×60
3.4	Tyre size, caster wheels (diameter×width)		mm /
3.5	Wheels, number driving , caster/loading (x=drive wheels)		mm 1x 2/4
3.6	Track width, front,driving side	b ₁₀	mm /
3.7	Track width,rear,loading side	b ₁₁	mm 410 (535)
Dimensions			
4.4	Lift height	h ₃	mm 115
4.9	Height drawbar in driving position min./max.	h ₁₄	mm 790/1225
4.15	Lowered height	h ₁₃	mm 80
4.19	Overall length	l ₁	mm 1638
4.20	Length to face of forks	l ₂	mm 488
4.21	Overall width	b ₁ / b ₂	mm 560 (685)
4.22	Fork dimensions	s/ e/ l	mm 50/150/1150
4.25	Distance between fork-arms	b ₅	mm 560 (685)
4.32	Ground clearance, center of wheelbase	m ₂	mm 30
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm 1739
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm 1939
4.35	Turning radius	Wa	mm 1485
Performance data			
5.1	Travel speed, laden/ unladen	km/ h	km/h 4/5.5
5.2	Lifting speed, laden/ unladen	m/ s	0.029/0.038
5.3	Lowering speed, laden/ unladen	m/ s	0.046/0.033
5.8	Max. gradeability, laden/unladen		2/6
5.10	Service brake type		Electromagnetic
Electric-engine			
6.1	Drive motor rating S2 60 min	kW	0.65
6.2	Lift motor rating at S3 15%	kW	0.84
6.3	The maximum allowed size battery	mm	/
6.4	Battery voltage/nominal capacity K20		24/65
6.5	Battery weight	kg	22.5x2
Addition data			
8.1	Type of drive control		DC
10.5	Steering type		Mechanical
10.7	Sound pressure level at the driver' s ear		74



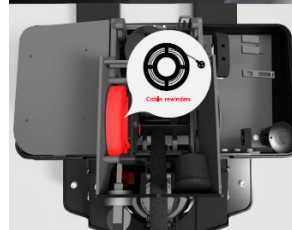
Driving Wheel Cover

Strong cover for driving wheel ensures the safety of the operator.



Emergency Stop Switch

Upgraded emergency switch ensures safety.



Cable Rewinders

Automatic winding function to facilitate the power cable storage and save time.



Easy Maintenance

Inner components can be accessed through one single step of opening the upper cover, greatly reducing the maintenance time.



Easily Removable Drive Tyre

Tyre comes off easily by unscrewing a single nut



Multifunctional Handle

The patented design of the external control system not only protects the controller, but also facilitates maintenance.

Lifting Equipment

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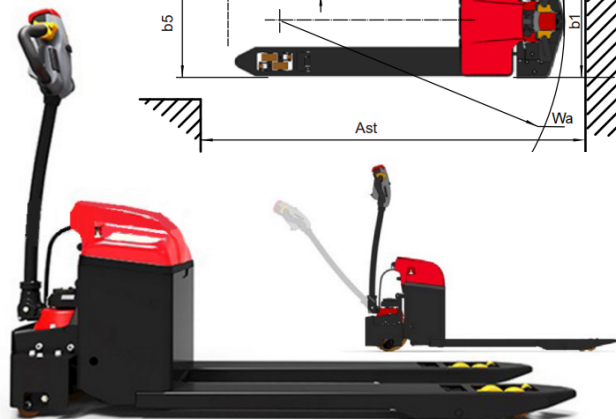
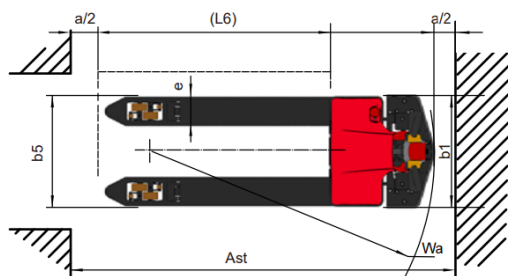
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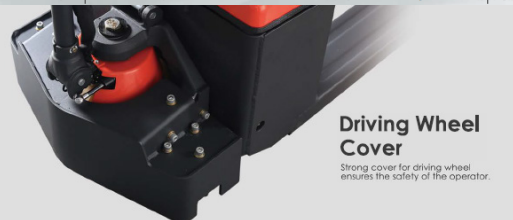
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Electric Pallet Truck 2T 電動唧車 2 噸



Electric Pallet Truck 2.0t

Distinguishing mark			
1.1	Manufacturer		MP
1.2	Model designation		EPT-MP20ET
1.3	Drive unit		Battery
1.4	Operator type		pedestrian
1.5	rated capacity	Q	kg 2000
1.6	Load center distance	c	mm 600
1.8	Load distance	x	mm 873/976
1.9	Wheelbase	y	mm 1247/1350
Weight			
2.1	Service weight (include battery)		kg 220
2.2	Axle loading, laden driving side/loading side		kg 740/1480
2.3	Axle loading, unladen driving side/loading side		kg 180/40
Types,Chassis			
3.1	Tyre type driving wheels/loading wheels		PU/PU
3.2	Tyre size, driving wheels (diameter×width)		mm $\Phi 250 \times 74$
3.3	Tyre size, loading wheels (diameter×width)		mm 4x $\Phi 78 \times 60$ (2x $\Phi 74 \times 88$)
3.4	Tyre size, caster wheels (diameter×width)		mm $\Phi 74 \times 48$
3.5	Wheels, number driving , caster/loading (x=drive wheels)		mm 1x 2/4 (1x 2/2)
3.6	Track width, front,driving side	b ₀	mm 435
3.7	Track width, rear,loading side	b ₁	mm 410 (535)
Dimensions			
4.4	Lift height	h ₃	mm 140
4.9	Height drawbar in driving position min./max.	h ₃₄	mm 750/1170
4.15	Lowered height	h ₃	mm 80
4.19	Overall length	l ₁	mm 1685
4.20	Length to face of forks	l ₂	mm 535
4.21	Overall width	b / b ₂	mm 560 (685)
4.22	Fork dimensions	s/ e/ l	mm 50/150/1150
4.25	Distance between fork-arms	b ₂	mm 560 (685)
4.32	Ground clearance, center of wheelbase	m ₂	mm 30
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm 1792
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm 1992
4.35	Turning radius	Wa	mm 1465(Lifted)
Performance data			
5.1	Travel speed, laden/ unladen	km/ h	km/h 4/5.5
5.2	Lifting speed, laden/ unladen		m/ s 0.024/0.038
5.3	Lowering speed, laden/ unladen		m/ s 0.034/0.025
5.8	Max. gradeability, laden/unladen		8/16
5.10	Service brake type		Electromagnetic
Electric-engine			
6.1	Drive motor rating S2 60 min		kW 0.75
6.2	Lift motor rating at S3 15%		kW 0.84
6.3	The maximum allowed size battery		mm 255*170*200
6.4	Battery voltage/nominal capacity K20		12*4/30
6.5	Battery weight		kg 9.5*4
Addition data			
8.1	Type of drive control		DC
10.5	Steering type		Mechanical
10.7	Sound pressure level at the driver' s ear		74



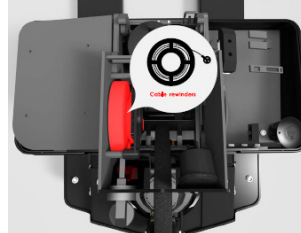
Driving Wheel Cover

Strong cover for driving wheel ensures the safety of the operator.



Emergency Stop Switch

Upgraded emergency switch ensures safety.



Cable Rewinders

Automatic winding function to facilitate the power cable storage and save time.



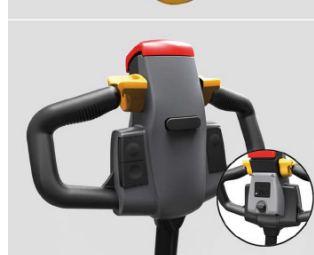
Easy Maintenance

Inner components can be accessed through one single step of opening the upper cover, greatly reducing the maintenance time.



Easily Removable Drive Tyre

Tyre comes off easily by unscrewing a single nut



Multifunctional Handle

The patented design of the extend control system not only protects the controller, but also facilitates maintenance.

Lifting Equipment

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Electric Pallet Truck 5.5 - 5T 電動唧車 3.5 - 5 噸

Advantages

Configuration and Performance

- Electronic power steering system, light and low noise.
- Drive unit floating bodies with patent design.
- AC Driving system, No carbon brush, maintenance free.
- USA CURTIS driving controller.
- Electromagnetic, regenerative braking system.
- Automatic lifting limit, Motor and battery life extension.

Load backrest is standard.

- Side way battery is standard.
- Options: Long or short forks.

Safety

- Curve automatic deceleration devices, more safe.
- Stepless speed control system, safe and quiet.
- Controller with multiple automatic protection.
- Emergency reversing device/Emergency brake switch.

Options

- Battery: FAAM 330/490Ah.

優點

配置和性能

- 電子動力轉向系統、輕便、低噪音。
- 驅動單元浮體採用專利設計。
- 交流驅動系統、無碳刷、免維護。
- 美國 CURTIS 驅動控制器。
- 電磁再生製動系統。
- 自動點亮極限，延長電機和電池壽命。

靠背是標準配置。

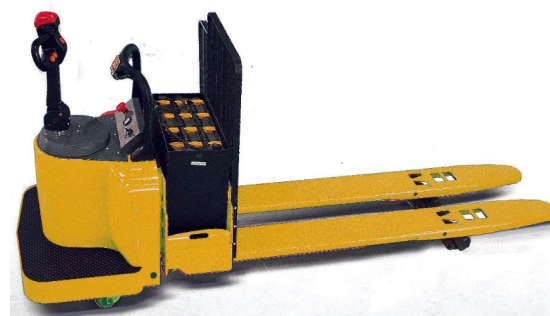
- 側面電池是標準配置。
- 選項：長叉或短叉。

安全

- 曲線自動減速裝置，更安全。
- 無級調速系統，安全安靜。
- 控制器具有多重自動保護功能。
- 緊急倒車裝置 / 緊急制動開關。

選件

- 電池：FAAM 330 / 490Ah。

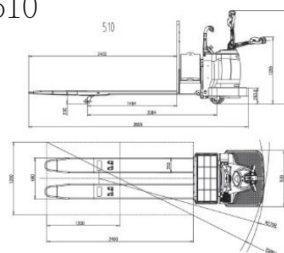


ELEP-35H

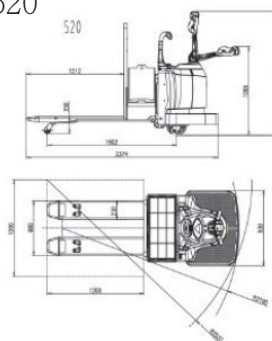
Feature		ELEP-35H 510	ELEP-35H 520	ELEP-35H 530
Model		510	520	530
Configuration No.		510	520	530
Loading capacity	kg	3500	3500 5000	3500
Apply to pallet		Double pallet	Single pallet	Single pallet
Wheel base	mm	2084	1602	1602
Operating type		Rider	Rider	Walkie
Wheels				
Wheels type		PU	PU	PU
Wheel quantity Driving wheel/Balance wheel/Bearing wheel		1/4/2	1/4/2	1/4/2
Driving wheel size	mm	Ø 300×120	Ø 300×120	Ø 300×120
Bearing wheel size	mm	Ø 84×152	Ø 84×152	Ø 84×152
Balance wheel size	mm	Ø 115×55	Ø 115×55	Ø 115×55
Dimension				
Min.fork lowered height	mm	85	85	85
Max.fork lifting height	mm	230	230	230
Max.lifting height	mm	145	145	145
Overall fork width (Outside/Inside)	mm	680/180	680/220	680/220
Fork length	mm	2432	1212/1365/1517	1212/1365/1517
Fork width	mm	250	230	230
Fork thickness	mm	60	60	60
Overall length	mm	3605	2374	2222
Overall width	mm	930	930	832
Overall height(With handle)	mm	1536	1536	1536
Overall height(Without handle)	mm	1280	1280	1280
Min.Turning radius	mm	2708	2190	2051
Min.Aisle width for pallets 1200×1200	mm	3650	2536	2365
Performance				
Travel speed,laden/unladen	km/h	11/14	11/14	4/4.5
Lift speed,laden/unladen	mm/s	35/40	35/40	35/40
Lowering speed,laden/unladen	mm/s	35/30	35/30	35/30
Gradeability,laden/unladen	%	5/12	5/12	5/10
Electrical configuration				
Drive motor	kW	AC 4.2	AC 4.2	AC 1.5
Lift motor	kW	DC 2.2	DC 2.2	DC 2.2
Steering motor	kW	DC 0.15	DC 0.15	DC 0.15
Battery voltage / capacity	V/Ah	24/360	24/360	24/360
Brake		Electromagnetic/Regenerative	Electromagnetic/Regenerative	Electromagnetic/Regenerative
Controller		CURTIS	CURTIS	CURTIS
Weight				
Battery weight	kg	400	400	400
Service weight with battery	kg	1120	1045	910

* Details of specifications and equipment are based on information available at time of printing and may change without notice.

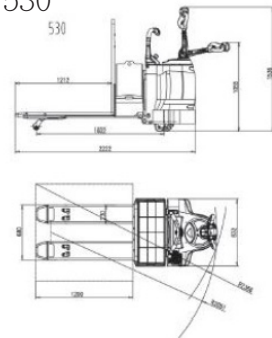
510



520



530



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Electric Pallet Truck, Hand Pallet Truck and Electric Pallet Stacker 電動唧車、手動唧車及電動堆高車

ELEP - 20/ ELEP - 25/ ELEP - 30

Advantages

Configuration and Performance

- Electronic power steering system, light and low noise.
- Drive unit floating bodies with patent design.
- AC Driving system, No carbon brush, maintenance free.
- USA CURTIS driving controller.
- Electromagnetic, regenerative braking system.
- Automatic liting limit extend the life of the battery and motor.
- Side-way battery, easy to replace.

Safety

- Curve automatic deceleration devices, more safe.
- Stepless speed control system, safe and quiet.
- Controller with Multiple automatic protection.
- Emergency reversing device/Emergency brake switch.

優點

配置和性能

- 電子動力轉向系統，輕便，低噪音。
- 驅動單元浮體採用專利設計。
- 交流驅動系統，無碳刷，免維護。
- 美國 CURTIS 驅動控制器。
- 電磁再生製動系統。
- 自動點亮限制會延長電池和電機的使用壽命。
- 側面電池，易於更換。

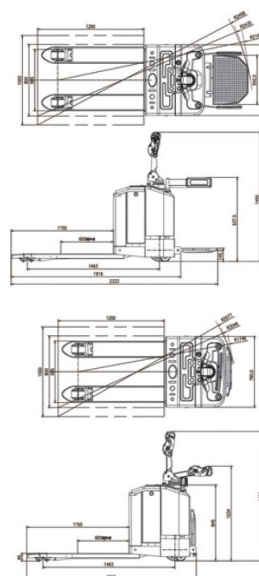
安全

- 曲線自動減速裝置，更安全。
- 無級調速系統，安全安靜。
- 控制器具有多重自動保護功能。
- 緊急倒車裝置 / 緊急制動開關。



Feature		
Model		ELEP-20/ELEP-25/ELEP-30
Configuration No.		
Loading capacity	kg	2000/2500/2800/3000
Load center	mm	600
Wheel base	mm	1493
Operating type		Ride On
Wheels		
Wheels type		PU
Wheel quantity Driving wheel/Balance wheel/Bearing wheel		1/2/4
Driving wheel size	mm	Ø 248×75
Bearing wheel size	mm	Ø 84×80(Double wheels)
Balance wheel size	mm	Ø 115×55
Dimension		
Min.fork lowered height	mm	85
Max.fork lifting height	mm	205
Max.lifting height	mm	120
Overall fork width	mm	550/600/650/685
Inside width between forks	mm	210/260/310/345
Fork length	mm	1150/1200
Fork width	mm	170
Fork thickness	mm	75
Overall length	mm	1916/2333
Overall width	mm	790
Overall height(With handle)	mm	1455
Overall height(Without handle)	mm	845
Min.Turning radius	mm	1746/2158
Min.Aisle width for pallets 800×1200	mm	2046/2435
Min.Aisle width for pallets 1000×1200	mm	2077/2458
Performance		
Travel speed,laden/unladen	km/h	5/5
Lift speed,laden/unladen	mm/s	30/35
Lowering speed,laden/unladen	mm/s	40/35
Gradeability,laden/unladen	%	5/7
Electrical configuration		
Drive motor	kW	AC 1.5
Lift motor	kW	DC 1.2
Steering motor	kW	DC 0.15
Battery voltage / capacity	V/Ah	24/270
Brake		Electromagnetic/Regenerative
Controller		CURTIS
Weight		
Battery weight	kg	245
Service weight with battery	kg	840

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Lifting Equipment



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Electric Pallet Truck, Hand Pallet Truck and Electric Pallet Stacker 電動唧車、手動唧車及電動堆高車

Series of Electric Pallet Stacker 電動堆高車系列

ELES12J

產品性能特點:

1. 大功率、高性能起升泵站，操作效率高；
2. 側駕驅動設計，轉彎半徑小、視野廣；
3. 永磁電動驅動系統，體積小、質量輕、損耗小；
4. 德國原裝進口防水微動開關，適應寒冷、潮濕、粉塵等惡劣環境；
5. 四色顯示 LED 電量表，簡單直觀；
6. 外置式充電器，散熱性能更佳；
7. 超長操作手柄，集成起升按鈕、鎖匙開關、電量表，符合人體工程學原理，操作簡單舒適；加裝緊急開關，速度控制更精準；採用優質氣壓式彈簧，自動緩慢復位，經久耐用；
8. 高密度鐵線防護網，編焊而成，堅固耐用，防護效果優良。

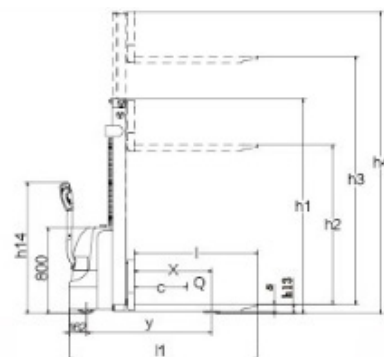
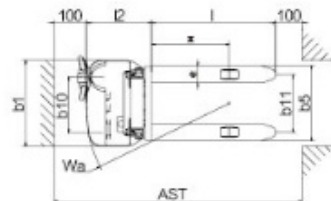
Characteristics:

1. High-power and high-performance lifting pump has high efficiency.
2. Side driving design gives the truck a small steering radius and broadened view.
3. The driving system with permanent magnetic motor has small volume, light mass, small loss.
4. Water-proof inching switch imported from German meets the requirements of harsh working condition such as cold, humidity and dust circumstances.
5. Four colors LED electricity meter makes it simple and direct to read.
6. External positioned charger has better cooling performance.
7. It's more comfortable and easy for operation using a super long handle that integrates lifting button, key switch, electricity meter, which is suitable for ergonomics more accurate speed control with the turtle speed switch, more durable with the high quality air-pressure springs which allows slowly and automatically reset.
8. Iron steel guard with high density is durable, firm and has high protection effect.



制造商和技术参数 Manufacturer's Data and Design Characteristics

特征 Characteristics		Main Power					
1.01 品牌 Manufacturer		ELES12J					
1.02 车型 Model		步行式 Pedestrian propelled					
1.03 操作方式 Operation		1200					
1.04 额定载重能力 Rated load weight	Q (kg)	1200					
1.05 门架类型 Mast type		单门架 Single mast					
1.06 提升高度 Lifting height	h3 (mm)	1600	2000	2500	3000	3500	1600
1.07 最高起升速度 Capacity at highest height	kg	1200	1050	900	750	600	1200
1.08 自重 (含电瓶) Service weight with battery	kg	425	441	453	465	477	395
1.09 载荷中心距 Load centre	c (mm)	600					
1.10 前悬距 Axis centre to fork face	x (mm)	710					
1.11 轴距 Wheel base	y (mm)	1154					1031
轮子/底垫 Wheels/Tyres		聚氨酯 Polyurethane					
2.01 轮胎类型 Wheel type		聚氨酯 Polyurethane					
2.02 驱动轮尺寸 Driving wheel size	φ × w (mm)	φ210 × 70					
2.03 承载轮尺寸 Bearing wheel size	φ × w (mm)	φ80 × 70					
2.04 平衡轮尺寸 Additional wheels (dimensions)	φ × w (mm)	φ150 × 58					
2.05 驱动轮、平衡轮承载轮数量 (x=驱动轮) Wheels, number front/rear (x= driven)		1x+1/4					
尺寸 Dimensions							
3.01 最低门架高度 Height of mast, lowered	h1 (mm)	2014	1494	1744	1994	2244	1990
3.02 门架最大高度 Height of mast, extended	h4 (mm)	2014	2424	2924	3424	3924	2060
3.03 货叉最低高度 Fork mast, Lowered	h13 (mm)	86					
3.04 整车长度 Overall length	l1 (mm)	1755					1632
3.05 车体长度 Length to fork face	l2 (mm)	605					482
3.06 整车宽度 Overall width	b1/ b2 (mm)	795					
3.07 货叉尺寸 Fork dimensions	s/ef (mm)	60/160/1150					
3.08 货叉外宽 Width of forks	b5 (mm)	570/695					
3.09 货叉中心间距 Min.Ground clearance	m2 (mm)	24					
3.10 通道宽度: 1000x1200托盘 (1200沿货叉放置) Aisle width with pallet 1000 x 1200 across forks	Ast (mm)	2068					2048
3.11 通道宽度: 800x1200托盘 (1200沿货叉放置) Aisle width with pallet 800 x 1200 along forks	Ast (mm)	2034					2014
3.12 转弯半径 Min. turning radius	Wa (mm)	1366					1316
性能 Performance							
4.01 行走速度, 满载/空载 Travel speed, w/ w/out load	(km/h)	4.0/4.2					
4.02 提升速度, 满载/空载 Lifting speed, w/ w/out load	(mm/s)	92/136					
4.03 下降速度, 满载/空载 Lowering speed, w/ w/out load	(mm/s)	112/98					
4.04 最大爬坡坡度 Max. gradability laden/unladen	(%)	6/8					
4.05 制动类型 Service brake		电磁制动 Electromagnetic brake					
电机 Drive							
5.01 驱动电机功率 Drive motor output S2 60 min.	(kW)	0.75					
5.02 提升电机功率 Lifting motor output at S3 15%	(kW)	2.2					
5.03 蓄电池, 根据 DIN 43531/35/36 A,B,C,no Battery according to DIN 43531/35/36 A,B,C,no		no					
5.04 蓄电池电压/容量 Battery voltage/nominal capacity	(V/Ah)	2 × 12/100					
5.05 蓄电池重量 (±5%) Battery weight (± 5%)	(kg)	2 × 27					
其他 Others							
6.01 噪音水平 Noise level at operator's ear	(dB(A))	69					
6.02 转向类型 Steering type		机械转向 Mechanical steering					



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Main Power Hydraulics Machinery Co.



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Electric Pallet Truck, Hand Pallet Truck and Electric Pallet Stacker 電動唧車、手動唧車及電動堆高車

Series of Electric Pallet Stacker 電動堆高車系列

ELES15J

產品性能特點:

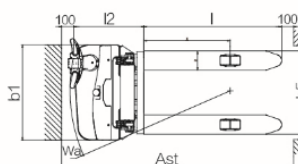
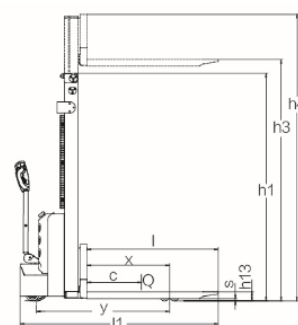
1. 大功率、高性能起升泵站，操作效率高；
2. 側駕驅動設計，轉彎半徑小，視野廣；
3. 永磁電動驅動系統，體積小、質量輕、損耗小；
4. 德國原裝進口防水微動開關，適應寒冷、潮濕、粉塵等惡劣環境；
5. 四色顯示 LED 電量表，簡單直觀；
6. 外置式充電器，散熱性能更佳；
7. 超長操作手柄，集成起升按鈕、鎖匙開關、電量表，符合人機工程學原理，操作簡單舒適；加裝變速開關，速度控制更精準；採用優質氣壓式彈簧，自動緩慢復位，經久耐用；
8. 高密度鐵絲防護網，編焊而成，堅固耐用，防護效果優良；
9. 免維護的蓄電池。

Characteristics:

1. High-power and high-performance lifting pump has high efficiency.
2. Side driving design gives the truck a small steering radius and broadened view.
3. The driving system with permanent magnetic motor has small volume, light mass, small loss.
4. Water-proof inching switch imported from German meets the requirements of harsh working condition such as cold, humidity and dust circumstances.
5. Four colors LED electricity meter makes it simple and direct to read.
6. External positioned charger has better cooling performance.
7. It's more comfortable and easy for operation using a super long handle that integrates lifting button, key switch, electricity meter, which is suitable for ergonomics more accurate speed control with the turtle speed switch, more durable with the high quality air-pressure springs which allow slowly and automatically reset.
8. Iron steel guard with high density is durable, firm and has high protection effect.
9. Maintenance-free battery.

制造商和技术参数 Manufacturer's Data and Design Characteristics

特征 Characteristics									
1.1	品牌	Manufacturer			EVERLIFT				
1.2	车型	Model			ELES-15J				
1.3	操作方式	Operation			步行式 Pedestrian propelled				
1.4	额定载荷能力	Rated traction weight	Q (kg)			1500			
1.5	门架类型	Mast type	单门架Single mast		两级标准2-Stage STD				
1.6	提升高度	Lift	h3 (mm)	1600	2000	2500	3000	3500	
1.7	最高点载重量	Capacity at highest height	kg	1500	1300	1100	900	750	
1.8	自重 (含电瓶)	Service weight with battery	kg	430	471	483	495	507	
1.9	载荷中心距	Load centre	c (mm)	600					
1.10	前悬距	Axle centre to fork face	x (mm)	720					
1.11	轴距	Wheel base	y (mm)	1167					
轮胎 Wheels									
2.1	轮胎类型	Wheels type	聚氨酯 (Polyurethane)						
2.2	驱动轮尺寸	Driving wheel size	Φ × w (mm)	Φ210 × 70					
2.3	承载轮尺寸	Bearing wheel size	Φ × w (mm)	Φ80 × 70					
2.4	平衡轮尺寸	Additional wheels (dimensions)	Φ × w (mm)	Φ115 × 55					
2.5	驱动轮, 平衡轮/承载轮数量 (x=驱动轮) Wheels, number front/rear (x = driven)		1x+1/4						
尺寸 Dimensions									
3.1	最低门架高度	Height of mast, lowered	h1 (mm)	2014	1495	1745	1995	2245	
3.2	门架最大高度	Height of mast, extended	h4 (mm)	2014	2424	2924	3424	3924	
3.3	货叉最低高度	Fork Height, Lowered	h13 (mm)	86					
3.4	整车长度	Overall length	l1 (mm)	1740					
3.5	车体长度	Length to fork face	l2 (mm)	590					
3.6	整车宽度	Overall width	b1/ b2 (mm)	795					
3.7	货叉尺寸	Fork dimensions	s/e/ (mm)	60/160/1150					
3.8	货叉外宽	Width of forks	b5 (mm)	570/695					
3.9	轴距中心处离地间隙	Min. Ground clearance	m2 (mm)	26					
3.10	通道宽度: 1000x1200托盘 (1200跨货叉放置)	Aisle width with pallet 1000 x 1200 across forks	Ast (mm)	2074					
3.11	通道宽度: 800x1200托盘 (1200沿货叉放置)	Aisle width with pallet 800 x 1200 along forks	Ast (mm)	2040					
3.12	转弯半径	Min. Turning radius	Wa (mm)	1342					
性能 Performance									
4.1	行走速度: 满载/空载	Travel speed, with/without load	(km/h)	4.0/4.2					
4.2	提升速度: 满载/空载	Lifting speed, with/without load	(mm/s)	92/136					
4.3	下降速度: 满载/空载	Lowering speed, with/without load	(mm/s)	112/98					
4.4	最大爬坡度: 满载/空载	Max. gradeability laden/unladen	(%)	6/8					
4.5	制动类型	Service brake	电磁制动(Electromagnetic brake)						
电机和蓄电池 Drive and Battery									
5.1	驱动电机功率	Drive motor, output S2 60 min.	(kW)	0.75					
5.2	起升电机功率	Lift motor rating at S3 15%	(kW)	2.2					
5.3	蓄电池: 根据DIN 43531/35/36 A,B,C,	Battery according to DIN 43531/35/36 A,B,C, no.	no						
5.4	蓄电池电压/容量	Battery voltage/rated capacity	(V/Ah)	2 × 12/100					
5.5	蓄电池重量 (± 5%)	Battery weight (± 5%)	(kg)	2 × 27					
其他 Others									
6.1	噪音水平	Noise level at operator's ear	(dB(A))	69					
6.2	转向类型	Steering type	机械转向(Mechanical steering)						



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Main Power Hydraulics Machinery Co.





Electric Pallet Truck, Hand Pallet Truck and Electric Pallet Stacker 電動唧車、手動唧車及電動堆高車

Series of Counter Balance Electric Stacker with Stand 平衡架帶支架電動堆高車系列

優點Advantages

配置和性能Configuration and performance

- 容量 1.0 / 1.2 / 1.5 / 1.6t, 升降高度 1.6m-5.0m · Capacity 1.0/1.2/1.5/1.6t, lift height 1.6m-5.0m
- 無腿堆疊器, 適用於單面和雙面托盤 · Legless stacker, fit for single and double-faced pallet
- 手動提升 / 傾斜, 更安全, 更準確 · Lifting/Tilting by hand lever, more safely and exactly
- 重型設計, 適合長期工作, 操作員感到舒適 · Heavy-duty designed, for long-term work, comfortable for the operator
- 24 / 240Ah 鉛酸電池, 使用壽命長, 壽命長 · 24/240Ah lead-acid battery, long use time and long life
- 堅固的結構體和加強的前叉, 帶合金鋼插入腿 · Strong structure body and strengthen fork, with alloy steel insert legs
- 結構簡單, 易於維護和維修 · Simple structure, easy to maintain and repair
- 進口柯蒂斯控制器, 德國馬勒液壓馬達 / Lenze 制動器 · Import Curtis controller, German Mahle hydraulic motor/ Lenze brake
- 緊急停止 / 小時表 / 電池電量指示器 / 自動充電器 · Emergency stop/hour meter/battery level indicator/automatic charger
- 電動助力轉向是可選的智能充電器 · Electric Power Steering is optional, intelligent charger
- 帶有 AC Curtis 控制器的可選 AC 電動機 · Optional AC motor with AC Curtis controller

可選的: Optional:

- 貨叉傾斜或桅杆傾斜 · Fork tilting or mast tilting
- EPS · EPS
- 槓桿提升 / 傾斜 · Lifting/tilting by lever

貨叉傾斜或桅杆傾斜是可選的

Fork tilting or Mast tilting are optional

EPS 是可選的

EPS is optional

手動水平控制升降, 更輕鬆, 更精確

Lifting and Tilting controlled by hand level, more easy and precise

可以選擇側移和其他附件

Side shift and other attachment can be chosen

LEGLESS STACKER



NEW MODEL



Lifting Equipment



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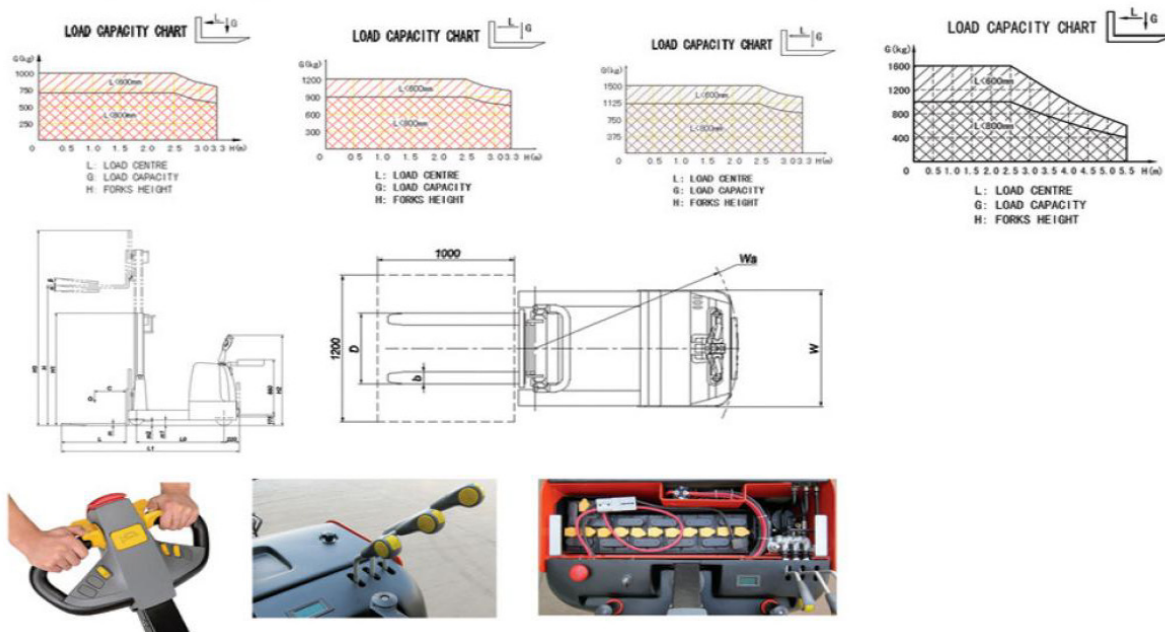
Electric Pallet Truck, Hand Pallet Truck and Electric Pallet Stacker 電動唧車、手動唧車及電動堆高車

Series of Counter Balance Electric Stacker with Stand
平衡架帶支架電動堆高車系列

Model: CES-10CE/ CES-12CE/ CES-15CE/ CES-16CE

Feature			
Driving style			Walkie/Rider
Load capacity	Q	kg	1000/1200/1500/1600
Load center	C	mm	500
Overall length	L1	mm	2700/2700/2535
Overall width	W	mm	950
Min. overall height	H1	mm	1800 2050 2300 2050 2220
Fork dimension	L x b x m	mm	920 x 100 x 35
Outside width of forks	D	mm	240 ~ 580
Ground clearance	m1	mm	90
Base distance	L0	mm	1250
Wheel material			PU
Front wheel size		mm	φ200 x 80
Driving wheel size		mm	φ230 x 80
Min. steering radius	Wa	mm	1480
Min. width of aisle		mm	2970
Max. height of forks	H	mm	1600 2000 2500 3000 3500 4500 5000
Max. overall height	H3	mm	2180 1680 3360 3860 4360 5360 5860
Fork angle tilt	forward α	(°)	2
	backward β	(°)	5
Max. travel speed		Km/h	5.5
Lift speed (laden/unladen)		mm/s	100/135 135/175
Lower speed (laden/unladen)		mm/s	325/220
Gradeability		%	8
Brake type			Electromagnetic
Power of driving motor		kw	2
Power of lift motor		kw	2.2 3.0
Power of steering motor		kw	0.2
Battery capacity/voltage		Ah/V	240/24
Weight of battery		kg	240
Net weight (without battery)		kg	1300 1450 1540 1580 1620 1740 1790

* Details of specifications and equipment are based on information available at time of printing and may change without notice.



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Electric Pallet Truck, Hand Pallet Truck and Electric Pallet Stacker 電動唧車、手動唧車及電動堆高車

FAQ for Electric Pallet Truck, Hand Pallet Truck and Electric Pallet Stacker
電動唧車、手動唧車及電動堆高車常見問題

Common Parts List for the repairment	常見零件維修表
Hand Pallet Truck	手動唧車
Pumps	泵拍
Wheel stands	輪架
Chain	鍊條
Wheels	車輪
Handles	手柄
Oil cylinders	油缸
Bearings	軸承
Electric Pallet Truck	電動唧車
Replacement of battery	更換電池
Oil leakage, replacement of the oil cylinders	漏油、換油缸
Wheel wear, replacement of the wheel	車輪耗損、換車輪
Semi-automatic stacker	半自動堆高車
Pumps	泵拍
Wheel stands	輪架
Chain	鍊條
Wheels	車輪
Handles	手柄
Oil cylinders	油缸
Bearings	軸承
Electric Pallet Stacker	電動堆高車
Replacement of battery	更換電池
Oil leakage, replacement of the oil cylinders	漏油、換油缸
Wheel wear, replacement of the wheel	車輪耗損、換車輪



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Main Forest Environmental Equipment & Engineering Co., Ltd. Trading As: Main Power Hydraulics Machinery Co., being a distributor located in Hong Kong, was established in 1997 to supply Cleaning Chemical & Equipment, Hydraulics Cylinders, Lifting Products & Systems, Industrial Hosesm Fittings & Couplings, Pumps, Other Industrial Products and Engineering Services (e.g. Provision of technical consultants, advice, technical servicing and maintenance) to major utility corporations and major construction corporations.

Our major products are come from France, Germany, Italy, Sweden, United Kingdom, Mainland China, Taiwan, Singapore and the U.S.A.

In these twenty years, we have cooperated with the Government of the HKSAR (e.g. Drainage Service Department, EMSD and Architectural Services Department etc) , major utility corporations (e.g. MTR, KMB and HK Tramways etc) and major construction corporations. We have also taken part in the large projects for infrastructure (e.g. Hong Kong-Zhuhai-Macao Bridge).

Today, Main Power Hydraulics Machinery Co. becomes a global distributor of supplying Cleaning Chemical & Equipment, Hydraulics Cylinders, Lifting Products & Systems, Industrial Hosesm Fittings & Couplings, Pumps, Other Industrial Products and Engineering Services (e.g. Provision of technical consultants, advice, technical servicing and maintenance).

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