



F4

ELECTRIC PALLET TRUCK 1.5T

1500 kg 105 mm 24 V Li-Ion



The F4 is ideal for a wide range of environments, from light retail usage to intensive logistics operations. Its compact size (400 mm fork face length) and reduced service weight make it highly maneuverable in tight spaces, while its dual-battery slot design ensures continuous operation for long shifts. The optional stabilizing wheels enhance safety when handling large or heavy loads, making the F4 a dependable solution for warehouses, retail stores, and transport hubs.

| SPECIFICATION | REF | UNIT | VALUE |
|---|----------------|------|-------------|
| Battery type | | | Li-Ion |
| Battery nominal capacity | | Ah | 20 |
| Battery voltage | | V | 24 |
| Load capacity | Q | kg | 1500 |
| Load centre distance | c | mm | 600 |
| Service weight | | kg | 120 |
| Lift height | h_3 | mm | 105 |
| Overall length | | mm | 1550 |
| Overall width | b_1/b_2 | mm | 590 (695) |
| Length to face of forks | l ₂ | mm | 400 |
| Fork dimensions | s/e/l | mm | 55/150/1150 |
| Turning radius | | Wa | 1360 |
| Operator type | | | Pedestrian |
| Load distance, centre of drive axle to fork | | mm | 950 |
| Wheelbase | | mm | 1180 |
| Axle loading, laden front/rear | | kg | 480/1140 |

Features

Flexible battery system

The F4 supports up to two removable 24V/20Ah Li-ion batteries, providing extended runtime for intensive applications or opportunity charging flexibility.



Battery option

Compact & lightweight

With a short 400 mm fork face length and a low service weight of only 120 kg, the F4 is highly maneuverable in narrow aisles and confined spaces.

Optional stabilizing wheels

To safely handle heavier or uneven loads, the F4 can be equipped with stabilizing wheels, available from the factory or as retrofit.



Stablizing wheel option

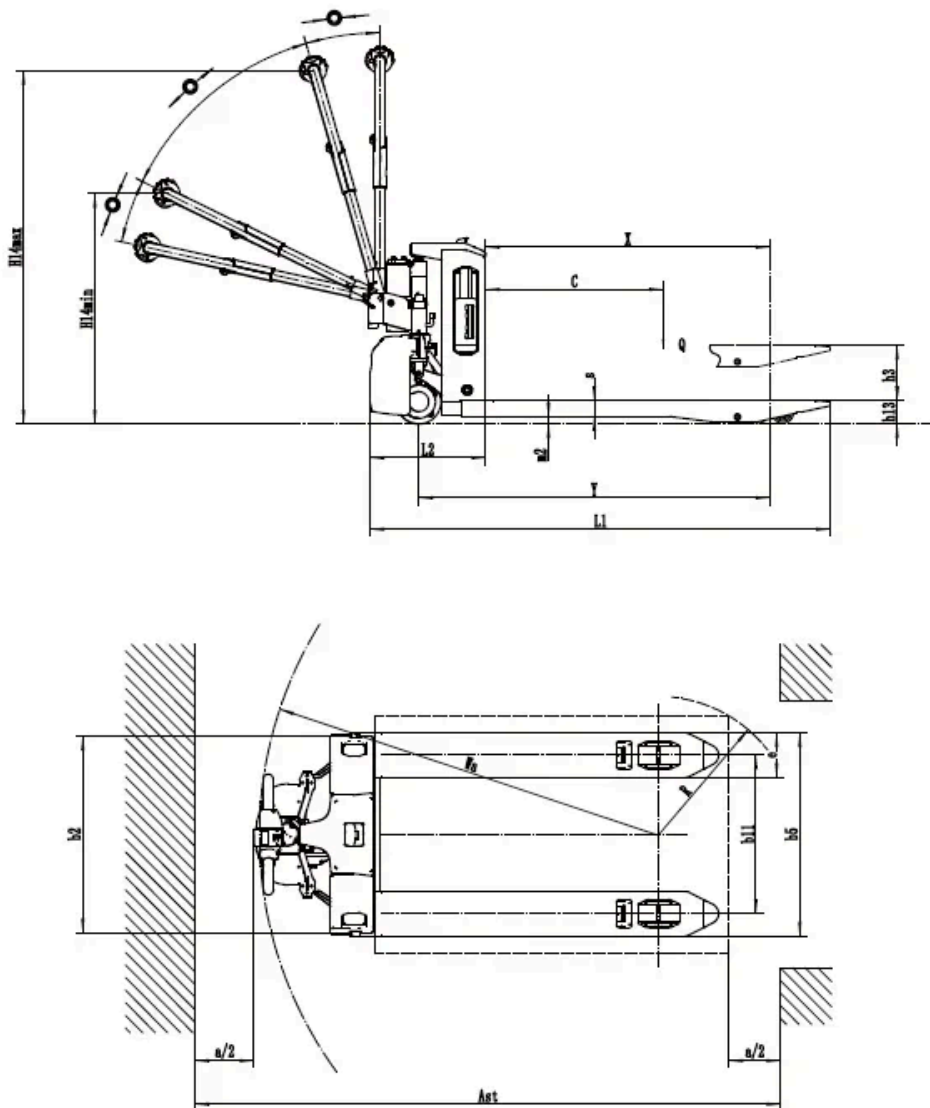
Customisable forks

Available in various lengths and widths, the F4 adapts to different pallet standards and customer-specific applications.

VDI Chart

| | SPECIFICATION | REF | UNIT | VALUE |
|-----|---------------|-----|------|------------|
| 1.4 | Operator type | | | Pedestrian |

| SPECIFICATION | | REF | UNIT | VALUE |
|---------------|---|----------------|-------|-----------------|
| 1.5 | Load capacity | Q | kg | 1500 |
| 1.6 | Load centre distance | c | mm | 600 |
| 1.8 | Load distance, centre of drive axle to fork | | mm | 950 |
| 1.9 | Wheelbase | | mm | 1180 |
| 2.1 | Service weight | | kg | 120 |
| 2.2 | Axle loading, laden front/rear | | kg | 480/1140 |
| 2.3 | Axle loading, unladen front/rear | | kg | 90/30 |
| 3.1 | Tyre type | | | Polyurethane |
| 3.2 | Tyre size, front | | mm | 210x70 mm |
| 3.3 | Tyre size, rear | | mm | 80x60 mm |
| 3.5 | Wheels, number front/rear (x=drive wheels) | | | 1x—/4 |
| 3.7.1 | Tread width, rear | b_{11} | mm | 410 (535) |
| 4.0 | Max lift height | H | mm | 105 |
| 4.19 | Overall length | | mm | 1550 |
| 4.20 | Length to face of forks | l ₂ | mm | 400 |
| 4.21 | Overall width | b_1/b_2 | mm | 590 (695) |
| 4.22 | Fork dimensions | s/e/l | mm | 55/150/1150 |
| 4.32 | Ground clearance, centre of wheelbase | | mm | 25 |
| 4.34.1 | Aisle width for pallets 1000×1200 crossways | | Ast | 2160 |
| 4.34.2 | Aisle width for pallets 800×1200 lengthways | | Ast | 2025 |
| 4.35 | Turning radius | | Wa | 1360 |
| 4.4 | Lift height | h_3 | mm | 105 |
| 5.1 | Travel speed, laden/unladen | | km/h | 4/4.5 |
| 5.10 | Service brake | | | Electromagnetic |
| 5.2 | Lifting speed, laden/unladen | | m/s | 0.017/0.020 |
| 5.3 | Lowering speed, laden/unladen | | m/s | 0.058/0.046 |
| 5.8 | Max. gradeability, laden/unladen | | % | 6/16 |
| 6.1 | Drive motor rating S2 60 min | | kW | 0.75 |
| 6.2 | Lift motor rating at S3 15% | | kW | 0.5 |
| 6.4 | Battery nominal capacity | | Ah | 20 |
| 6.4 | Battery voltage | | V | 24 |
| 6.4.1 | Battery type | | | Li-Ion |
| 6.5 | Battery weight | | kg | 5 |
| 10.5 | Steering design | | | Mechanical |
| 10.7 | Sound pressure level at the drivers ear | | dB(A) | 74 |



Options

| ITEM | OPTIONS (optional items marked in yellow) |
|----------------------|---|
| Fork dimension | 1150×560 800×560 900×560 1000×560 1220×560 1350×560 1500×560 800×685 900×685 1000×685 1150×685 1220×685 1350×685 1500×685 |
| Fork lowered height | 80 |
| Load wheel type | PU |
| Handle head type | Hands small handle head ET Hands big handle head |
| Load wheel material | PU |
| Drive wheel material | PU |

| ITEM | OPTIONS (optional items marked in yellow) |
|---------------------------------|--|
| Battery capacity | 20AHx1 20AHx2 20AHx3 20AHx4 |
| Charger | 24V-5A external 24V-10A external 24V-4A external DC-DC |
| Battery display indicator (BDI) | without time |
| Buzzer | Yes and not customised |
| Turtle speed | Yes and not customized |
| Castor wheels | No Yes and not customize |
| Drive assembly | Yes and not customized |