

Litium-ion battery pallet stacker

ES15H-Litio

Characteristics:

- AC drive; carbon-brush free and maintenance free.
- ZF transmission box has superior performance, high working and energy efficiency.
- The truck adopts side operation mode and has small turning radius and wide view.
- Imported waterproof inching switch is suitable for harsh application such as cold, humid and dust environment.
- LED electricity meter with four color is easy for reading.
- External placed charger has better cooling performance.
- Over length operation handle integrating lifting buttons, key switch and electricity meter satisfy ergonomic requirements and make operation easier; low speed switch makes speed control more accurate; good air pressure type can reset automatically and slowly and it is durable.
- High-density protection guard is solid and durable.



| Manufacturer' s Data and Design Characteristics | | | | |
|---|--|-------------|------|-----------------------|
| Characteristics | | | | |
| 1.01 | Manufacturer | | | TYMBIA |
| 1.02 | Model | | | ES15H-LI |
| 1.03 | Operator type | | | Pedestrian propelled |
| 1.04 | Rated capacity | Q (kg) | | 1500 |
| 1.05 | Mast type | | | 3-Stage STD |
| 1.06 | Lift height | h3 (mm) | 4000 | 4600 |
| 1.07 | Capacity at highest height | kg | 900 | 700 |
| 1.08 | Service weight with battery | kg | 1014 | 1050 |
| 1.09 | Load centre | c (mm) | 600 | 600 |
| 1.10 | Axle centre to fork face | x (mm) | | 672 |
| 1.11 | Wheel base | y (mm) | | 1384 |
| 1.12 | Controller | | | CURTIS |
| Wheels | | | | |
| 2.01 | Tyre type | | | Polyurethane |
| 2.02 | Tyre size, Driving wheel | Φ×w(mm) | | Φ230×75 |
| 2.03 | Bearing wheel size | Φ×w(mm) | | Φ80×70 |
| 2.04 | Additional wheels (dimensions) | Φ×w(mm) | | Φ150×58 |
| 2.05 | Wheels, number front/rear (x=-driven) | | | 1x+1/4 |
| Dimensions | | | | |
| 3.01 | Height of mast, lowered | h1 (mm) | 1900 | 2100 |
| 3.02 | Free lifting height | h2 (mm) | 1466 | 1666 |
| 3.03 | Height of mast, extended | h4 (mm) | 4424 | 5024 |
| 3.04 | Lowered height | h13 (mm) | | 86 |
| 3.05 | Overall length | l1 (mm) | | 2022 |
| 3.06 | Length to fork face | l2 (mm) | | 872 |
| 3.07 | Overall width | b1/ b2 (mm) | | 795 |
| 3.08 | Fork dimensions | s/e/l (mm) | | 60/180/1150 |
| 3.09 | Width of forks | b5 (mm) | | 570/650/695 |
| 3.10 | Min.Ground clearance | m2 (mm) | | 26 |
| 3.11 | Aisle width with pallet 1000 x 1200 across forks | Ast (mm) | | 2435 |
| 3.12 | Aisle width with pallet 800 x 1200 along forks | Ast (mm) | | 2412 |
| 3.13 | Min.Turning radius | Wa (mm) | | 1550 |
| Performance | | | | |
| 4.01 | Travel spees,with/without load | (km/h) | | 4.0/4.2 |
| 4.02 | Lifting speed, with/without load | (mm/s) | | 80/210 |
| 4.03 | Lowering speed, with/without load | (mm/s) | | 152/160 |
| 4.04 | Max. gradeability laden/unladen | (%) | | 4/10 |
| 4.05 | Service brake type | | | Electromagnetic brake |
| Drive and Battery | | | | |
| 5.01 | Drive motor,output S2 60 min. | (kW) | | 1.5 (AC) |
| 5.02 | Lift motor rating at S3 15% | (kW) | | 3.0 |
| 5.03 | Battery according to DIN 43531/35/36 A,B,C,no | | | no |
| 5.04 | Battery voltage/rated capacity | (V/ah) | | 24/150 (LFP) |
| 5.05 | Battery weight (± 5%) | (kg) | | 58 |
| Others | | | | |
| 6.01 | Sound pressure level at driver' s ear | (dB(A)) | | ≤70 |
| 6.02 | Steering type | | | Mechanical steering |

