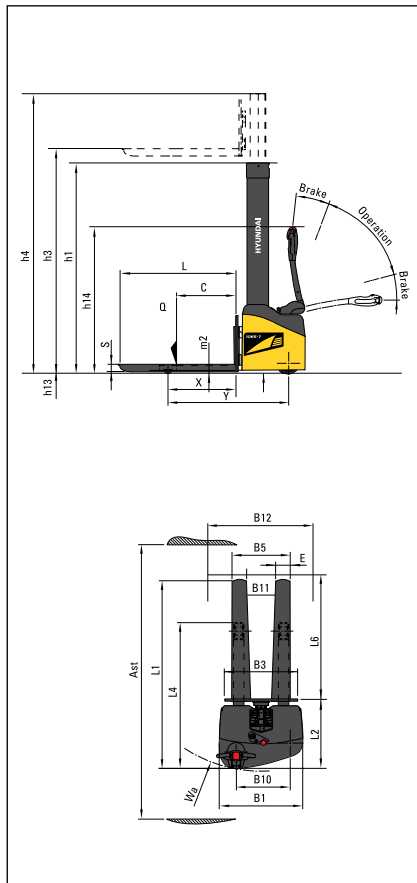


We build a better future

10ES-7 14ES-7

WAREHOUSE EQUIPMENT Electric stacker

TECHNICAL DRAWING



DETAIL



SPECIFICATIONS

| Identification | | 10 ES - 7 | 10 ES - 7 | 14 ES - 7 |
|-------------------------|--|---|--|--------------------|
| 1.1 | Manufacturer | Hyundai | Hyundai | Hyundai |
| 1.2 | Type | 10ES-7 | 10ES-7 | 14ES-7 |
| 1.3 | Drive: electric (battery or mains), diesel, petrol, fuel gas, manual | Battery | Battery | Battery |
| 1.4 | Type of operation: hand, pedestrian, standing, seated, order-picker | Pedestrian | Pedestrian | Pedestrian |
| 1.5 | Load capacity (standard) | kg 1000 | 1000 | 1400 |
| 1.6 | Load center distance | C mm 600 - 500* | 600 - 500* | 600 |
| 1.8 | Load distance, fork face to track wheels (raised position) | X mm 642 - 646* | 653 - 646* | 689 |
| 1.9 | Wheelbase (drive axle to track wheels) raised / lowered | Y mm 1160 - 1190* | 1160 - 1190* | 1200 |
| Weights | | | | |
| 2.1 | Service weight | kg 500 - 626* | 620 - 650* | 442 |
| 2.2 | Axle loading, loaded front / rear | kg - | - | 492 / 1350 |
| 2.3 | Axle loading, unloaded front / rear | kg - | - | 309 / 133 |
| Wheels | | | | |
| 3.1 | Tires | Polyurethane | Polyurethane | Polyurethane |
| 3.2 | Tires size, front | mm 1 x (200 x 80) | 1 x (200 x 80) | 1 x (200 x 80) |
| 3.3 | Tires size, rear | mm 78 x 78 | 78 x 78 | 2 (78 x 78) |
| 3.4 | Outrigger dimensions | mm 125 x 50 - 100 x 40* | 125 x 50 - 100 x 40* | 1 (125 x 50) |
| 3.5 | Wheels, number front / rear (X = driven wheels) | 1 x 1/2 | 1 x 1/2 | 1 x 1/2 |
| 3.6 | Track width, front | B10 mm 517 | 517 | 517 |
| 3.7 | Track width, rear | B11 mm 421 - 1000 / 1380* | 421 - 1000 / 1380* | 388 |
| Basic dimensions | | | | |
| 4.2 | Mast height (lowered) | h1 mm 1990 | 2030 | 1331 |
| 4.3 | Free lift | h2 mm 1570 | - | - |
| 4.4 | Lift height (standard) | h3 mm 1570 | 2740 | 818 |
| 4.5 | Height with mast raised | h4 mm 1995 | 3400 | 1331 |
| 4.6 | Initial lift | h5 mm - | - | - |
| 4.9 | Height of tiller in drive position (max) | h14 mm 1350 / 850 | 1350 / 850 | 1350 / 850 |
| 4.15 | Height of forks (lowered) | h13 mm 90 - 60 | 90 - 60 | 80 |
| 4.19 | Overall length | L1 mm 1828 - 1847* | 1817 - 1846* | 1820 |
| 4.20 | Length to face of forks | L2 mm 678 - 711* | 667 - 700* | 670 |
| 4.21 | Overall width | B1 mm 806 - 1100 / 1480* | 806 - 1100 / 1480* | 806 |
| 4.22 | Fork dimensions L x W x T | S x E x L mm 70 x 180 / 120 x 1150 - 80 x 40 x 950* | 70 x 180 / 120 x 1150 - 80 x 40 x 950* | 60 x 178 x 1150 |
| 4.24 | Fork carriage width | B3 mm 700 - 750* | 700 - 750* | 680 |
| 4.25 | Width over forks | B5 mm 560 - 720* | 560 - 720* | 566 |
| 4.26 | Width between carrying arms (min / max) | B4 mm 290 - 900 / 1280* | 290 - 900 / 1280* | - |
| 4.31 | Ground clearance, under mast | m1 mm 30 | 30 - 35* | 32 |
| 4.32 | Ground clearance, centre of wheelbase | m2 mm 20 - 40* | 20 - 40* | 22 |
| 4.33 | Aisle width for pallets 1000 x 1200 crossways (L x W) | Ast mm - | - | - |
| 4.34 | Aisle width for pallets 800 x 1200 lengthways (W x L) | Ast mm 2234 - 2320* | 2223 - 2310* | 2070 |
| 4.35 | Turning radius (raised / lowered) | Wa mm 1346 - 1375* | 1346 - 1375* | 1385 |
| Performance data | | | | |
| 5.1 | Travel speed, loaded / unloaded | km / h 4,2 / 4,5 | 4,2 / 4,5 | 4,5 / 5 |
| 5.2 | Lift speed, loaded / unloaded | mm / s 140 / 250 | 120 / 200 | 100 / 180 |
| 5.3 | Lowering speed, loaded / unloaded | mm / s 160 / 140 | 120 / 100 | 100 / 70 |
| 5.8 | Max. Gradient performance, loaded / unloaded | % 3,5 / 5 | 3,5 / 5 | 5 / 8 |
| 5.10 | Service brake | Electromagnetic | Electromagnetic | Electromagnetic |
| 5.11 | Parking brake | Handle release | Handle release | Handle release |
| Drive unit | | | | |
| 6.1 | Drive motor rating (S2 60 min) | kW 0,3 | 0,3 | 0,5 |
| 6.2 | Lift motor rating at S3 10% | kW 2 | 2 | 2 |
| 6.3 | Battery acc. To DIN43531 / 35 / 36, A, B, C | Semi-traction | Semi-traction | Semi-traction |
| 6.4 | Battery voltage / nominal capacity | V / Ah 24 / 85 | 24 / 85 | 24 / 85 |
| 6.5 | Battery weight (+/- 5%) | kg 50 | 50 | 50 |
| Other details | | | | |
| 8.1 | Type of drive control | AC Mosfet Variator | AC Mosfet Variator | AC Mosfet Variator |
| 8.4 | Sound level at driver's ear (driving) | dB (A) 65 | 65 | 65 |

* Dimensions for adjustable straddle legs model

PLEASE CONTACT