



Electric pedestrian stacker with support arm lift

ERD 220i

Lift height: 3760 mm / Load capacity: 2000 kg

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| ERD 220i | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) |
|----------------|-----------|----------------------------|----------------|---------------------------|
| Duplex mast ZT | 1660 mm | 1330 mm | 100 mm | 2125 mm |
| | 2010 mm | 1505 mm | 100 mm | 2475 mm |
| | 2100 mm | 1550 mm | 100 mm | 2565 mm |
| | 2560 mm | 1780 mm | 100 mm | 3025 mm |
| | 2900 mm | 1950 mm | 100 mm | 3365 mm |

VDI table

Stand-on: 10/2021

| | | | | | |
|--------------------------|----------------|---|-----------------|--------|---------------------|
| Characteristic | 1.1 | Manufacturer (abbreviated description) | | | Jungheinrich |
| | 1.2 | Manufacturer's type designation | | | ERD 220i |
| | 1.3 | Drive | | | Electric |
| | 1.5 | Load capacity/load | Q | kg | 2000 |
| | 1.5.1 | Rated capacity/load with mast lift | Q | kg | 1000 |
| | 1.5.2 | Rated capacity/load with support arm lift | Q | kg | 2000 |
| | 1.6 | Load centre distance | c | mm | 600 |
| | 1.8 | Load distance, centre of drive axle to fork | x | mm | 959 |
| | 1.9 | Wheelbase | y | mm | 1495 |
| Weights | 2.1.1 | Service weight (incl. battery) | | kg | 1055 |
| | 2.2 | Axle load laden front/rear | | kg | 1245 / 1810 |
| | 2.3 | Axle load unladen front/rear | | kg | 835 / 220 |
| Wheels/suspension system | 3.1 | Tyres | | | PU/PU |
| | 3.2 | Tyre size, front | | | ø 230x77 |
| | 3.3 | Tyre size, rear | | | ø 85x95 |
| | 3.4 | Additional wheels | | | ø 140x57 |
| | 3.5 | Wheels, number front/back (x=driven) | | | 1x + 2 |
| | 3.6 | Tread width, front | b ₁₀ | mm | 512 |
| | 3.7 | Tread width, rear | b ₁₁ | mm | 385 |
| Basic dimensions | 4.2 | Retracted mast height (h1) | h ₁ | mm | 1505 |
| | 4.3 | Free lift (h2) | h ₂ | mm | 100 |
| | 4.4 | Lift (h3) | h ₃ | mm | 2010 |
| | 4.5 | Extended mast height (h4) | h ₄ | mm | 2475 |
| | 4.6 | Initial lift | h ₅ | mm | 120 |
| | 4.7 | Height of overhead guard (cab) | h ₆ | mm | 2300 |
| | 4.9 | Height of tiller handle in drive position min./max. | | mm | 1215 / 1275 |
| | 4.15 | Height, lowered | h ₁₃ | mm | 94 |
| | 4.19 | Overall length | l ₁ | mm | 2358 |
| | 4.20 | Length including fork shank | l ₂ | mm | 1168 |
| | 4.21.1 | Overall width | b ₁ | mm | 770 |
| | 4.22 | Fork dimensions | s/e/l | mm | 56 x 185 x 1190 |
| | 4.25 | Width across forks | b ₅ | mm | 570 |
| | 4.32 | Ground clearance centre of wheelbase | m ₂ | mm | 18 |
| | 4.34 | Aisle width (pallet 1000x1200 sideways) | Ast | mm | 2564 |
| | 4.34.1 | Aisle width (pallet 800x1200 length) | Ast | mm | 2574 |
| 4.35 | Turning radius | W _a | mm | 2133 | |
| Performance data | 5.1 | Travel speed laden/unladen (Efficiency drivePLUS) | | km/h | 9 / 12.5 9 / 14 |
| | 5.2 | Lift speed laden/unladen | | m/s | 0.21 / 0.37 |
| | 5.3 | Lowering speed laden/unladen | | m/s | 0.49 / 0.44 |
| | 5.7 | Gradeability laden/unladen | | % | 8 / 16 |
| | 5.8 | Max. gradeability laden/unladen | | % | 8 / 16 |
| | 5.10 | Service brake | | | generative |
| E-motor/ Electronics | 6.1 | Drive motor, performance S2 60 min (Efficiency drivePLUS) | | kW | 2.8 3.2 |
| | 6.3 | Battery according to DIN 43531/35/36 | | | Jungheinrich Li-ion |
| | 6.4 | Battery voltage/nominal capacity | | V / Ah | 24 / 260 |
| | 6.5 | Battery weight | | kg | 100 |

| | | | | |
|---|-------|---|--------|------------|
| | 6.7 | Throughput (Efficiency PLUS) | t/h | 100 106 |
| | 6.8.1 | Energy consumption with max. throughput (Efficiency PLUS) | kWh/h | 0.6 0.65 |
| Other | 10.7 | Sound level as per EN12053, operator's ear | dB (A) | 67.1 |
| - This data sheet according to VDI guideline 2198 only states the technical values of the standard truck. Different tyres, other masts, additional equipment etc. may result in different values. | | | | |

The values in the table apply to fixed standing platform, integrated battery compartment M, mast ZT2010, support arm lift raised.

- VDI-No. 1.5: In double-deck mode: mast lift max. 1 t / total load max. 2 t.
- VDI-No. 1.8: Support arm lift lowered: x + 46 mm. With fork length 1150 mm: x - 40 mm.
- VDI-No. 1.9: Support arm lift lowered: y + 46 mm. With fork length 1150 mm: y - 40 mm.
- VDI-No. 4.19: With fork length 1150 mm: l1 - 40 mm. With compact stand-on platform: l1 - 103 mm.
- VDI-No. 4.20: With compact stand-on platform: l2 - 103 mm.
- VDI-No. 4.34: With fork length 1150 mm: Ast - 40 mm. With compact stand-on platform: Ast - 103 mm.
- VDI-No. 4.34.1: With fork length 1150 mm: Ast - 40 mm. With compact stand-on platform: Ast - 103 mm.
- VDI-No. 4.35: Support arm lift lowered: Wa + 46 mm. With fork length 1150 mm: Wa - 40 mm. With compact standing platform: Wa - 103 mm.

The German production facilities in
Norderstedt, Moosburg and Landsberg
are certified.

ISO 9001
ISO 14001

Jungheinrich fork lift trucks meet
European safety requirements.



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