



## **Elektrisk ledstaplare** **ERC 212-220**

Lyfthöjd: 2400-6000 mm / Lastkapacitet: 1200-2000 kg

Technical drawing of the ERC 2 crane, showing side and front views with dimensions.

**Side View Dimensions:**

- Overall height:  $h_4$
- Height to top of mast:  $h_1$
- Height to top of boom (maximum):  $h_{14 \text{ max.}}$
- Height to top of boom (minimum):  $h_{14 \text{ min.}}$
- Height to top of boom (intermediate): 1092
- Height to top of boom (base): 900
- Height to base of boom: 180
- Height to top of mast (intermediate):  $h_2$
- Height to top of mast (base):  $h_3$
- Height to top of mast (minimum):  $h_{13}$
- Horizontal distance from base to mast:  $c$
- Horizontal distance from mast to boom tip:  $l$
- Horizontal distance from base to boom tip:  $x$
- Horizontal distance from base to mast:  $l_1$
- Horizontal distance from mast to boom tip:  $l_2$
- Horizontal distance from base to boom tip:  $y$
- Horizontal distance from base to mast:  $m_2$
- Horizontal distance from base to boom tip:  $s$

**Front View Dimensions:**

- Overall width:  $b_1$
- Width to top of boom:  $b_{10}$
- Width to top of boom (intermediate): 512
- Width to top of boom (base):  $b_{12}$
- Width to top of boom (intermediate):  $b_5$
- Width to top of boom (base):  $b_{11}$
- Width to top of boom (intermediate):  $b_6$
- Width to top of boom (base):  $b_2$
- Width to top of boom (intermediate):  $b_3$
- Width to top of boom (base):  $b_4$
- Width to top of boom (intermediate):  $b_7$
- Width to top of boom (base):  $b_8$
- Width to top of boom (intermediate):  $b_9$
- Width to top of boom (base):  $b_{10}$
- Width to top of boom (intermediate):  $b_{11}$
- Width to top of boom (base):  $b_{12}$
- Width to top of boom (intermediate):  $b_{13}$
- Width to top of boom (base):  $b_{14}$
- Width to top of boom (intermediate):  $b_{15}$
- Width to top of boom (base):  $b_{16}$
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- Width to top of boom (base):  $b_{18}$
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- Width to top of boom (base):  $b_{70}$
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- Width to top of boom (intermediate):  $b_{93}$
- Width to top of boom (base):  $b_{94}$
- Width to top of boom (intermediate):  $b_{95}$
- Width to top of boom (base):  $b_{96}$
- Width to top of boom (intermediate):  $b_{97}$
- Width to top of boom (base):  $b_{98}$
- Width to top of boom (intermediate):  $b_{99}$
- Width to top of boom (base):  $b_{100}$

### Måttitning ERC 2

# ERC 212-220

| ERC 212          | Stroke (h3) | Höjdmast retracted (h1) | Fri hiss (h2) | Höjdmast förlängd (h4) |
|------------------|-------------|-------------------------|---------------|------------------------|
| Dubbel mast ZT   | 2500 mm     | 1750 mm                 | 100 mm        | 2975 mm                |
|                  | 2700 mm     | 1850 mm                 | 100 mm        | 3175 mm                |
|                  | 2900 mm     | 1950 mm                 | 100 mm        | 3375 mm                |
|                  | 3200 mm     | 2100 mm                 | 100 mm        | 3675 mm                |
|                  | 3600 mm     | 2300 mm                 | 100 mm        | 4075 mm                |
|                  | 4100 mm     | 2550 mm                 | 100 mm        | 4575 mm                |
|                  | 4300 mm     | 2650 mm                 | 100 mm        | 4775 mm                |
| Dubbel mast ZZ   | 2500 mm     | 1700 mm                 | 1225 mm       | 2975 mm                |
|                  | 2900 mm     | 1900 mm                 | 1425 mm       | 3375 mm                |
|                  | 3200 mm     | 2050 mm                 | 1575 mm       | 3675 mm                |
|                  | 3600 mm     | 2250 mm                 | 1775 mm       | 4075 mm                |
|                  | 4100 mm     | 2500 mm                 | 2025 mm       | 4575 mm                |
|                  | 4300 mm     | 2600 mm                 | 2125 mm       | 4775 mm                |
| Triple mast DZ   | 4090 mm     | 1845 mm                 | 1338 mm       | 4597 mm                |
|                  | 4300 mm     | 1915 mm                 | 1408 mm       | 4807 mm                |
|                  | 4700 mm     | 2050 mm                 | 1543 mm       | 5207 mm                |
| ERC 214          | Stroke (h3) | Höjdmast retracted (h1) | Fri hiss (h2) | Höjdmast förlängd (h4) |
| Dubbel mast ZT   | 2500 mm     | 1750 mm                 | 100 mm        | 2975 mm                |
|                  | 2700 mm     | 1850 mm                 | 100 mm        | 3175 mm                |
|                  | 2900 mm     | 1950 mm                 | 100 mm        | 3375 mm                |
|                  | 3200 mm     | 2100 mm                 | 100 mm        | 3675 mm                |
|                  | 3600 mm     | 2300 mm                 | 100 mm        | 4075 mm                |
|                  | 4100 mm     | 2550 mm                 | 100 mm        | 4575 mm                |
|                  | 4300 mm     | 2650 mm                 | 100 mm        | 4775 mm                |
|                  | 4500 mm     | 2750 mm                 | 100 mm        | 4975 mm                |
|                  |             |                         |               |                        |
| Dubbel mast ZZ   | 2500 mm     | 1700 mm                 | 1225 mm       | 2975 mm                |
|                  | 2900 mm     | 1900 mm                 | 1425 mm       | 3375 mm                |
|                  | 3200 mm     | 2050 mm                 | 1575 mm       | 3675 mm                |
|                  | 3600 mm     | 2250 mm                 | 1775 mm       | 4075 mm                |
|                  | 4100 mm     | 2500 mm                 | 2025 mm       | 4575 mm                |
|                  | 4300 mm     | 2600 mm                 | 2125 mm       | 4775 mm                |
| Triple mast DZ   | 4090 mm     | 1830 mm                 | 1341 mm       | 4579 mm                |
|                  | 4300 mm     | 1900 mm                 | 1411 mm       | 4789 mm                |
|                  | 4690 mm     | 2030 mm                 | 1541 mm       | 5179 mm                |
|                  | 5350 mm     | 2250 mm                 | 1761 mm       | 5839 mm                |
| ERC 214, ERC 216 | Stroke (h3) | Höjdmast retracted (h1) | Fri hiss (h2) | Höjdmast förlängd (h4) |
| Triple mast DZ   | 6000 mm     | 2500 mm                 | 1968 mm       | 6532 mm                |
| ERC 216          | Stroke (h3) | Höjdmast retracted (h1) | Fri hiss (h2) | Höjdmast förlängd (h4) |
| Dubbel mast ZT   | 2400 mm     | 1750 mm                 | 100 mm        | 2925 mm                |
|                  | 2600 mm     | 1850 mm                 | 100 mm        | 3125 mm                |
|                  | 2800 mm     | 1950 mm                 | 100 mm        | 3325 mm                |

|                |             |                         |               |                        |
|----------------|-------------|-------------------------|---------------|------------------------|
|                | 3100 mm     | 2100 mm                 | 100 mm        | 3625 mm                |
|                | 3500 mm     | 2300 mm                 | 100 mm        | 4025 mm                |
|                | 3800 mm     | 2450 mm                 | 100 mm        | 4325 mm                |
|                | 4000 mm     | 2550 mm                 | 100 mm        | 4525 mm                |
|                | 4200 mm     | 2650 mm                 | 100 mm        | 4725 mm                |
|                | 4400 mm     | 2750 mm                 | 100 mm        | 4925 mm                |
| Dubbel mast ZZ | 2400 mm     | 1700 mm                 | 1175 mm       | 2925 mm                |
|                | 2800 mm     | 1900 mm                 | 1375 mm       | 3325 mm                |
|                | 3100 mm     | 2050 mm                 | 1525 mm       | 3625 mm                |
|                | 3500 mm     | 2250 mm                 | 1725 mm       | 4025 mm                |
|                | 4000 mm     | 2500 mm                 | 1975 mm       | 4525 mm                |
|                | 4200 mm     | 2600 mm                 | 2075 mm       | 4725 mm                |
| Triple mast DZ | 3990 mm     | 1830 mm                 | 1298 mm       | 4522 mm                |
|                | 4200 mm     | 1900 mm                 | 1368 mm       | 4732 mm                |
|                | 4590 mm     | 2030 mm                 | 1498 mm       | 5122 mm                |
|                | 5250 mm     | 2250 mm                 | 1718 mm       | 5782 mm                |
| ERC 220        | Stroke (h3) | Höjdmast retracted (h1) | Fri hiss (h2) | Höjdmast förlängd (h4) |
| Dubbel mast ZT | 2540 mm     | 1950 mm                 | 100 mm        | 3195 mm                |
|                | 2840 mm     | 2100 mm                 | 100 mm        | 3495 mm                |
|                | 3540 mm     | 2450 mm                 | 100 mm        | 4195 mm                |
| Dubbel mast ZZ | 2540 mm     | 1900 mm                 | 1245 mm       | 3195 mm                |
|                | 2840 mm     | 2050 mm                 | 1395 mm       | 3495 mm                |
|                | 3540 mm     | 2400 mm                 | 1745 mm       | 4195 mm                |
| Triple mast DZ | 3750 mm     | 1900 mm                 | 1218 mm       | 4432 mm                |
|                | 4200 mm     | 2050 mm                 | 1368 mm       | 4882 mm                |
|                | 4800 mm     | 2250 mm                 | 1568 mm       | 5482 mm                |

# VDI bord

|               |        |                                                                 |              |                   |                  |                  |                 |
|---------------|--------|-----------------------------------------------------------------|--------------|-------------------|------------------|------------------|-----------------|
| Specifikation | 1.2    | Tillverkarens typbeteckning                                     |              | ERC 212           | ERC 214          | ERC 216          | ERC 220         |
|               | 1.3    | Drivning                                                        |              | Elektrisk         |                  |                  |                 |
|               | 1.4    | Manövrering                                                     |              | Bredvidgående     |                  |                  |                 |
|               | 1.5    | Kapacitet / belastning                                          | Q kg         | 1200              | 1400             | 1600             | 2000            |
|               | 1.6    | Tyngdpunktsavstånd                                              | c mm         | 600               |                  |                  |                 |
|               | 1.8    | Lastavstånd                                                     | x mm         | 688               | 667              |                  |                 |
|               | 1.9    | Hjulbas                                                         | y mm         | 1264              |                  |                  | 1336            |
| Vikter        | 2.1.1  | Egenvikt (inkl. batteri)                                        | kg           | 1130              | 1200             | 1220             | 1316            |
|               | 2.2    | Axelbelastning med last fram/bak                                | kg           | 890 / 1440        | 960 / 1640       | 980 / 1840       | 983 / 2332      |
|               | 2.3    | Axelbelastning utan last fram/bak                               | kg           | 830 / 300         | 880 / 320        | 890 / 330        | 924 / 392       |
| Hjul/chassi   | 3.1    | Däck                                                            |              | Polyuretan (PU)   |                  |                  |                 |
|               | 3.2    | Däckstorlek, fram                                               |              | Ø 230 x 77        |                  |                  |                 |
|               | 3.3    | Däckstorlek, bak                                                |              | Ø 85 x 110 / 85   |                  |                  | Ø 85 x 85       |
|               | 3.4    | Extrahjul                                                       |              | Ø 140 x 54        |                  |                  |                 |
|               | 3.5    | Hjul, nummer fram / bak (x = driven)                            |              | 1x +1/2           |                  |                  | 1x +1/4         |
|               | 3.6    | Spårvidd, fram                                                  | b10 mm       | 515               |                  |                  |                 |
|               | 3.7    | Spårvidd, bak                                                   | b11 mm       | 400               |                  |                  |                 |
| Grundmått     | 4.2    | Höjdmast retracted (h1)                                         | h1 mm        | 1950              |                  |                  | 2100            |
|               | 4.3    | Fri hiss (h2)                                                   | h2 mm        | 100               |                  |                  |                 |
|               | 4.4    | Stroke (h3)                                                     | h3 mm        | 2900              | 2800             | 2840             |                 |
|               | 4.5    | Höjdmast förlängd (h4)                                          | h4 mm        | 3375              | 3325             | 3495             |                 |
|               | 4.9    | Styrarmens höjd i köräge min./max.                              | h14 mm       | 1170 / 1390       |                  |                  |                 |
|               | 4.15   | Höjd i sänkt läge                                               | h13 mm       | 90                |                  |                  |                 |
|               | 4.19   | Total längd                                                     | l1 mm        | 1955              | 1976             | 2048             |                 |
|               | 4.20   | Längd inklusive gaffelrygg                                      | l2 mm        | 805               | 826              | 898              |                 |
|               | 4.21.1 | Total bredd                                                     | b1 mm        | 800               |                  |                  |                 |
|               | 4.22   | Gaffeldimensioner                                               | s/<br>e/l mm | 56 x 185 x 1150   |                  |                  |                 |
|               | 4.25   | Mått över gafflarna                                             | b5 mm        | 570               |                  |                  |                 |
|               | 4.32   | Markfrigång mitten av hjulbasen                                 | m2 mm        | 28                |                  |                  | 18              |
|               | 4.34.1 | Arbetsbredd (pall 1000 × 1200 tvärs)                            | Ast mm       | 2170              | 2191             | 2263             |                 |
|               | 4.34.2 | Arbetsbredd (pall 800x1200 längsgående)                         | Ast mm       | 2220              | 2241             | 2313             |                 |
|               | 4.35   | Vändradie                                                       | Wa mm        | 1508              |                  |                  | 1580            |
| Prestanda     | 5.1    | Körhastighet med/utan last (Efficiency   drivePLUS)             | km/h         | 6 / 6   9 / 11    |                  |                  | 6 / 6   8 / 10  |
|               | 5.2    | Lyfthastighet med/utan last                                     | m/s          | 0,2 / 0,4         | 0,16 / 0,3       | 0,15 / 0,3       | 0,11 / 0,34     |
|               | 5.3    | Sänkhastighet med/utan last                                     | m/s          | 0,45 / 0,35       |                  |                  | 0,5 / 0,35      |
|               | 5.8    | Max. backtagningsförmåga med/utan last (Efficiency   drivePLUS) | %            | 10 / 16   10 / 20 | 9 / 16   10 / 20 | 8 / 16   10 / 20 | 5 / 16   6 / 16 |
|               | 5.10   | Driftbroms                                                      |              | regenerativ       |                  |                  |                 |

|                              |                                                                     |                                                         |             |             |             |             |          |
|------------------------------|---------------------------------------------------------------------|---------------------------------------------------------|-------------|-------------|-------------|-------------|----------|
| Elektrisk motor / Elektronik | 6.1                                                                 | Drivmotor, prestanda S2 60 min (Efficiency   drivePLUS) | kW          | 2,8   3,2   |             |             |          |
|                              | 6.2                                                                 | Lyftmotor, prestanda vid S3                             | kW          | 3           |             |             |          |
|                              | 6.3                                                                 | Batteri enligt DIN 43531/35/36                          |             | DIN 43535 B |             |             |          |
|                              | 6.4                                                                 | Batterispänning/nom. kapacitet                          | V / Ah      | 24 / 300    |             | 24 / 375    |          |
|                              | 6.5                                                                 | Batterivikt                                             | kg          | 238         |             | 273         |          |
|                              | 6.6                                                                 | Energiförbrukning enligt VDI-cykel                      | kWh/h       | -           |             | 1,45        |          |
|                              | 6.6.1                                                               | Energiförbrukning enligt EN-cykel (Efficiency   PLUS)   | kWh/h       | 0,63   0,64 | 0,81   0,76 | 0,86   0,83 | 1,07   - |
|                              | 6.6.2                                                               | Koldioxidekvivalent enligt EN16796 (Efficiency   PLUS)  | kg/h        | 0,3   0,3   | 0,4   0,4   | 0,5   0,4   | 0,6   -  |
|                              | 6.7                                                                 | Omsättningshastighet (Efficiency   PLUS)                | t/h         | 56   57     | 64   65     | 71   73     | 85   -   |
| 6.8.1                        | Energiförbrukning vid max. omsättningshastighet (Efficiency   PLUS) | kWh/h                                                   | 1,63   1,65 | 1,65   1,64 | 1,67   1,65 | 2,13   -    |          |
| Övrigt                       | 8.1                                                                 | Typ av körkontroll                                      |             | AC          |             |             |          |
|                              | 10.7                                                                | Schalldruckpegel nach EN12053                           | dB (A)      | 64          |             |             |          |

- Detta typblad är enligt VDI-riktlinje 2198 och anger endast de tekniska värdena för standardtrucken. Avvikande däcktyper, andra stativ, tillsatsaggregat osv. kan ge andra värden.

Värdena i tabellen gäller för batteriutrymme M-VBE (ERC 212/214/216), L-VBE/SBE (ERC 220); lyftstativ ZT 2 800/2 840/2 900 mm.

- VDI-nr 1.8 vid ERC 212/214/216: Vid DZ-lyftstativ: x - 42 mm.
- VDI-nr 1.8 vid ERC 220: Vid batteriutrymme L-VBE eller L-SBE och DZ-lyftstativ: x - 1 mm, M litiumjon och DZ-lyftstativ: x - 71 mm.
- VDI-nr 1.9 vid ERC 212/214/216: Vid batteriutrymme M litiumjon: y + 0 mm, L-VBE eller L-SBE: y + 72 mm.
- VDI-nr 1.9 vid ERC 220: Vid batteriutrymme L-VBE eller L-SBE och DZ-lyftstativ: y + 70 mm, M litiumjon: y - 72 mm.
- VDI-nr 3.3: Tandem: Ø 85 x 75 mm.
- VDI-nr 4.19 vid ERC 212/214/216: Vid DZ-lyftstativ: l1 + 42 mm; vid batteriutrymme M litiumjon: l1 + 0 mm, L-VBE eller L-SBE: l1 + 72 mm.
- VDI-nr 4.19 vid ERC 220: Vid DZ-lyftstativ: l1 + 71 mm. Vid batteriutrymme M litiumjon: l1 - 72 mm.
- VDI-nr 4.20 vid ERC 212/214/216: Vid DZ-lyftstativ: l2 + 42 mm; vid batteriutrymme M litiumjon: l2 + 0 mm, L-VBE eller L-SBE: l2 + 72 mm.
- VDI-nr 4.20 vid ERC 220: Vid DZ-lyftstativ: l2 + 71 mm. Vid batteriutrymme M litiumjon: l2 - 72 mm.
- VDI-nr 4.34.1 vid ERC 212/214/216: Diagonal enligt VDI: Arbetsgångbredd + 215 mm; vid batteriutrymme M litiumjon: Arbetsgångbredd + 0 mm, L-VBE eller L-SBE: Arbetsgångbredd + 72 mm; vid DZ-lyftstativ: Arbetsgångbredd + 42 mm.
- VDI-nr 4.34.1 vid ERC 220: Diagonal enligt VDI: Arbetsgångbredd + 215 mm; vid DZ-lyftstativ: Arbetsgångbredd + 71 mm. Vid batteriutrymme M litiumjon: Arbetsgångbredd - 72 mm.
- VDI-nr 4.34.2 vid ERC 212/214/216: Diagonal enligt VDI: Arbetsgångbredd + 138 mm; vid batteriutrymme M litiumjon: Arbetsgångbredd + 0 mm, L-VBE eller L-SBE: Arbetsgångbredd + 72 mm; vid DZ-lyftstativ: Arbetsgångbredd + 42 mm.
- VDI-nr 4.34.2 vid ERC 220: Diagonal enligt VDI: Arbetsgångbredd + 138 mm; vid DZ-lyftstativ: Arbetsgångbredd + 71 mm. Vid batteriutrymme M litiumjon: Arbetsgångbredd - 72 mm.
- VDI-nr 4.35 vid ERC 212/214/216: Vid batteriutrymme M litiumjon: Wa + 0 mm, L-VBE eller L-SBE: Wa + 72 mm.
- VDI-nr 4.35 vid ERC 220: Vid DZ-lyftstativ: Wa + 70 mm; vid batteriutrymme M litiumjon: Wa - 72 mm.
- VDI-nr 5.1: Vid utrustningspaket Efficiency utan förarskyddssystem: 6,0/6,0 km/h; med förarskyddssystem: 9,0/9,0 km/h.
- VDI-nr 5.3: Vid ZZ-/DZ-lyftstativ: Sänkhastigheten vid frilyft ligger under de angivna värdena.

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