

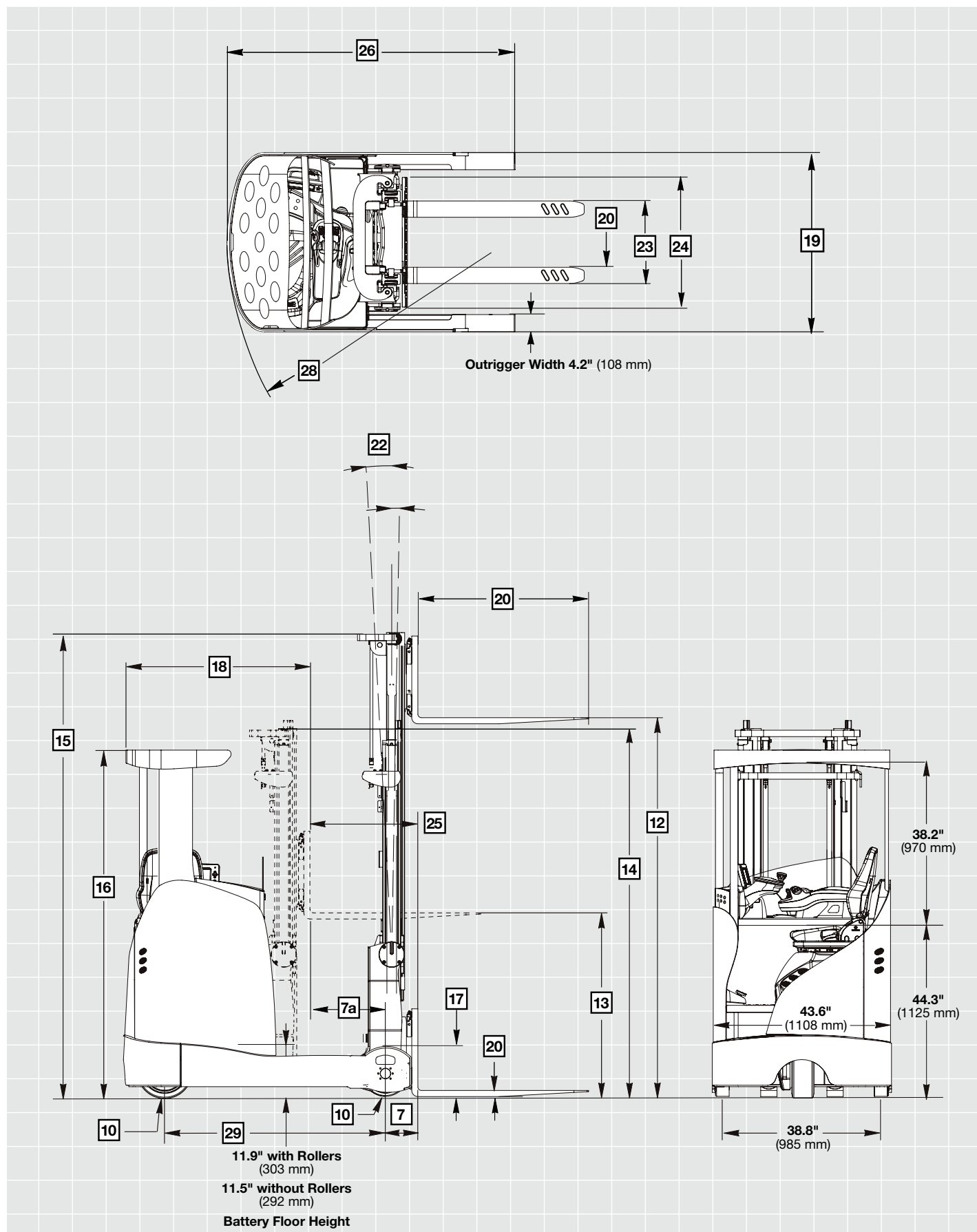
CROWN

# ESR 1200 SERIES

## Specifications

Moving Mast Reach Truck





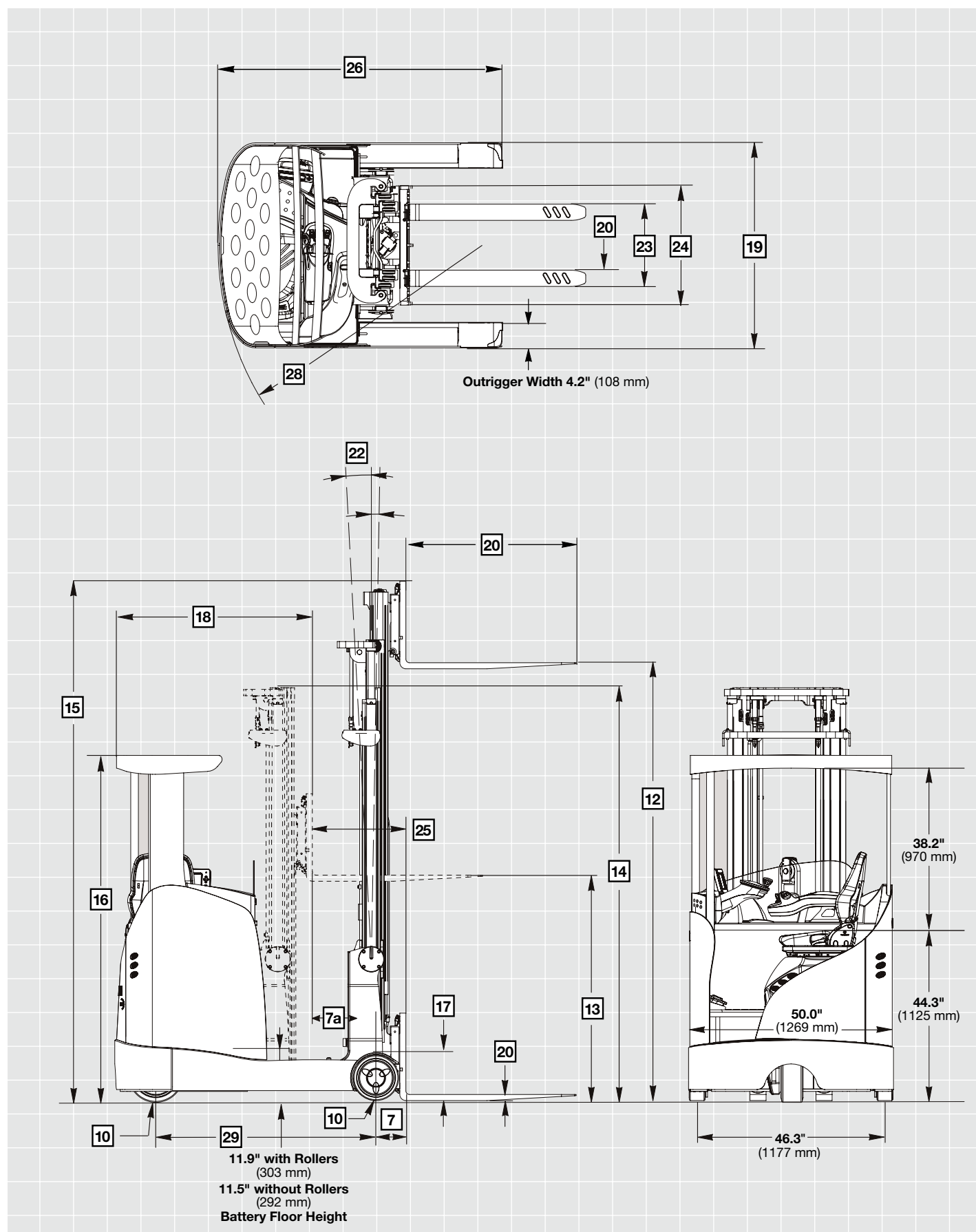
# ESR 1220 Series

# Specifications

|             |                            |                          |                      | Imperial | Metric                      | Imperial                                             | Metric                 |                                                      |                        |
|-------------|----------------------------|--------------------------|----------------------|----------|-----------------------------|------------------------------------------------------|------------------------|------------------------------------------------------|------------------------|
| General     | 1                          | Manufacturer             |                      |          | Crown Equipment Corporation |                                                      |                        |                                                      |                        |
|             | 2                          | Model                    |                      |          | ESR 1220-30                 |                                                      | ESR 1220-35            |                                                      |                        |
|             | 3                          | Load Capacity            | lb                   | kg       | 3,000                       | 1400                                                 | 3,500                  | 1600                                                 |                        |
|             | 4                          | Load Center              | Fork face to load CG | in       | mm                          | 24                                                   | 600                    | 24                                                   | 600                    |
|             | 5                          | Power                    | Electric             |          | 48 Volts                    |                                                      |                        |                                                      |                        |
|             | 6                          | Operator Type            |                      |          | Sit Down                    |                                                      |                        |                                                      |                        |
|             | 7/7a                       | Load Distance            | Extended/Retracted   | in       | mm                          | 7.95/Battery Chart                                   | 202/Battery Chart      | 7.95/Battery Chart                                   | 202/Battery Chart      |
|             | 8                          | Wheels (x = driven)      | Number Front/Rear    |          | 1x/2                        |                                                      |                        |                                                      |                        |
|             | 9                          | Tire Type                |                      |          | Poly                        |                                                      |                        |                                                      |                        |
|             | 10                         | Tires                    | Size - Drive/Caster  | in       | mm                          | 13.5x4.5,<br>11.2x3.2                                | 343x114,<br>285x80     | 13.5x4.5,<br>11.2x3.2                                | 343x114,<br>285x80     |
| 11          | Truck Weight               | Less Battery             | lb                   | kg       | 4,090*                      | 1855*                                                | 4,090*                 | 1855*                                                |                        |
| Dimensions  | 12                         | Lift Height              | Max Fork Height      | in       | mm                          | See Mast Chart                                       |                        |                                                      |                        |
|             | 13                         | Free Lift Height         | w/o Load Backrest    | in       | mm                          |                                                      |                        |                                                      |                        |
|             | 14                         | Overall Collapsed Height |                      | in       | mm                          |                                                      |                        |                                                      |                        |
|             | 15                         | Overall Extended Height  | w/o Load Backrest    | in       | mm                          |                                                      |                        |                                                      |                        |
|             | 16                         | Overhead Guard Height    |                      | in       | mm                          | 85.6                                                 | 2175                   | 85.6                                                 | 2175                   |
|             | 17                         | Outrigger Height         |                      | in       | mm                          | 12.3                                                 | 312                    | 12.3                                                 | 312                    |
|             | 18                         | Head Length              |                      | in       | mm                          | See Battery Chart                                    |                        |                                                      |                        |
|             | 19                         | Overall Width            |                      | in       | mm                          | 44.1                                                 | 1120                   | 44.1                                                 | 1120                   |
|             | 20                         | Fork                     | Standard L x W x T   | in       | mm                          | 39x4x1.5                                             | 990x102x38             | 39x4x1.75                                            | 990x102x38             |
|             |                            |                          | Optional Lengths     | in       | mm                          | 31.5,42,45,48                                        | 800,1065,1145,<br>1220 | 31.5,42,48,48                                        | 800,1065,1145,<br>1220 |
|             | 21                         | Sideshift                | Left/Right           | in       | mm                          | 2                                                    | 50                     | 2                                                    | 50                     |
|             | 22                         | Mast/Carriage Tilt       | Forward/Backward     | degree   | See Mast Chart              |                                                      |                        |                                                      |                        |
|             | 23                         | Width Across Forks       | Max                  | in       | mm                          | 27.4                                                 | 695                    | 27.4                                                 | 695                    |
|             | 24                         | Fork Carriage Width      | with Sideshift       | in       | mm                          | 30.3                                                 | 770                    | 30.3                                                 | 770                    |
|             | 25                         | Reach                    |                      | in       | mm                          | See Battery Chart                                    |                        |                                                      |                        |
|             | 26                         | Length Over Outriggers   |                      | in       | mm                          | 70.9                                                 | 1800                   | 74.6                                                 | 1895                   |
|             | 27                         | Ground Clearance         |                      | in       | mm                          | 3                                                    | 76                     | 3                                                    | 76                     |
| 28          | Turning Radius             |                          | in                   | mm       | 64.5                        | 1638                                                 | 64.5                   | 1638                                                 |                        |
| 29          | Wheelbase (Standard Wheel) |                          | in                   | mm       | 54.3                        | 1380                                                 | 54.3                   | 1380                                                 |                        |
| Performance | 30                         | Speed Travel**           | Empty/Loaded         | mph      | km/h                        | 6.2                                                  | 10.0                   | 6.2                                                  | 10                     |
|             | 31                         | Speed Lift               | Empty                | fpm      | m/s                         | 118                                                  | 0.6                    | 118                                                  | 0.6                    |
|             |                            |                          | Loaded               | fpm      | m/s                         | 79                                                   | 0.4                    | 79                                                   | 0.4                    |
|             | 32                         | Speed Lower              | Empty                | fpm      | m/s                         | 98                                                   | 0.5                    | 98                                                   | 0.5                    |
|             |                            |                          | Loaded               | fpm      | m/s                         | 98                                                   | 0.5                    | 98                                                   | 0.5                    |
|             | 33                         | Max Gradeability         | w/wo Load            | %        |                             | 12/12                                                |                        |                                                      |                        |
| 34          | Brakes                     | Regen/Load Wheel Brake   |                      |          |                             | Tilting Mast: Regen/No<br>Tilting Carriage: Regen/2x |                        | Tilting Mast: Regen/No<br>Tilting Carriage: Regen/2x |                        |
| Battery     | 35                         | Battery Type             |                      |          | Lead Acid                   |                                                      |                        |                                                      |                        |
|             | 36                         | Max Amp                  | Ah                   |          | 930                         |                                                      |                        |                                                      |                        |
|             | 37                         | Max Battery Size LxWxH   | in                   |          | mm                          | See Battery Chart                                    |                        |                                                      |                        |

\* TL Mast 109" (2760 mm) + Option 5 Battery Tray

\*\* 5.6 mph (9.0 km/h) in fork direction



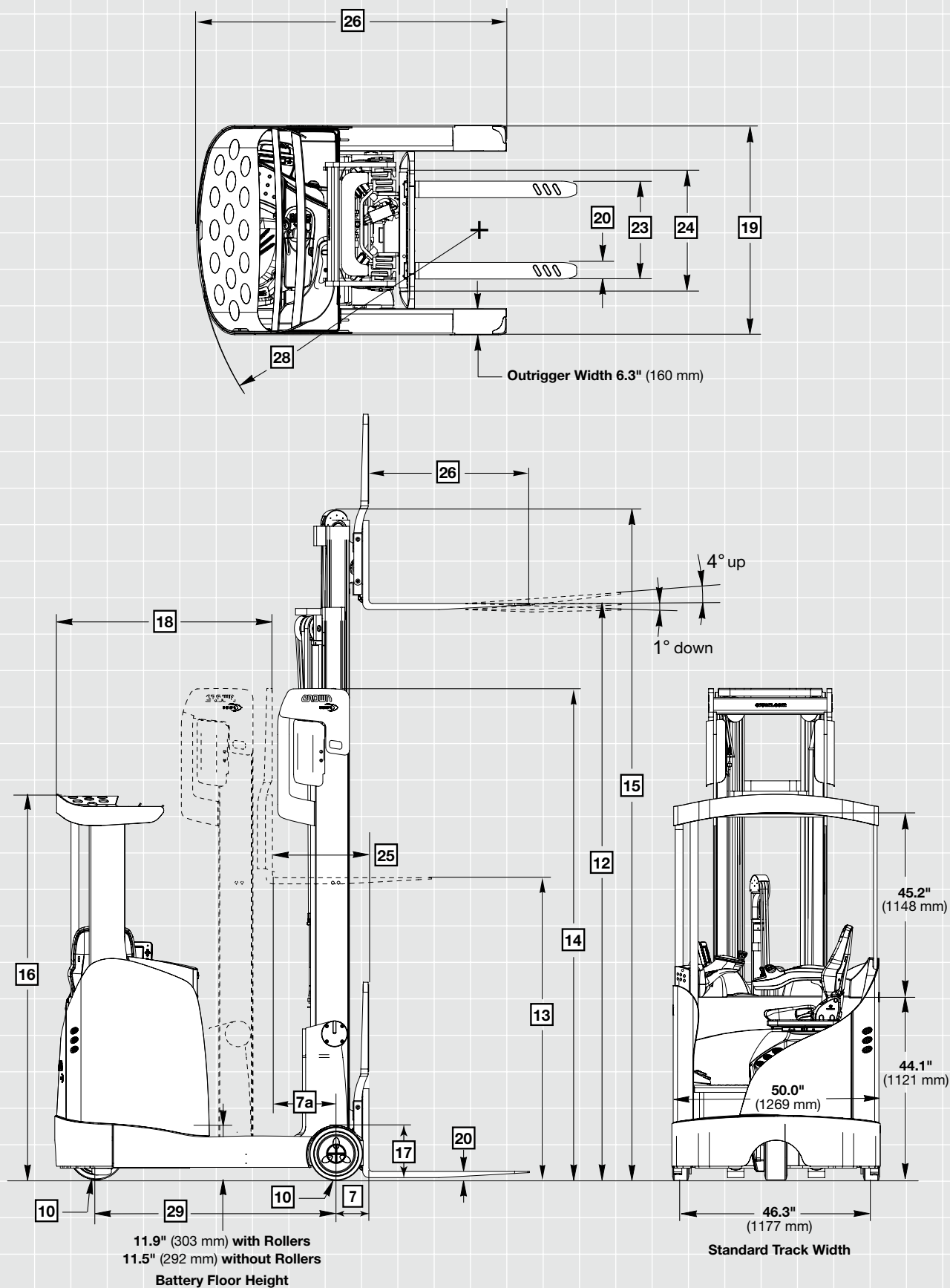
# ESR 1240 Series

# Specifications

|             |                            |                          |                      | Imperial          | Metric                      | Imperial            | Metric             | Imperial            | Metric             |                     |
|-------------|----------------------------|--------------------------|----------------------|-------------------|-----------------------------|---------------------|--------------------|---------------------|--------------------|---------------------|
| General     | 1                          | Manufacturer             |                      |                   | Crown Equipment Corporation |                     |                    |                     |                    |                     |
|             | 2                          | Model                    |                      |                   | ESR 1240-30                 |                     | ESR 1240-35        |                     | ESR 1240-45        |                     |
|             | 3                          | Load Capacity            | lb kg                |                   | 3,000                       | 1400                | 3,500              | 1600                | 4,500              | 2000                |
|             | 4                          | Load Center              | Fork face to load CG | in mm             | 24                          | 600                 | 24                 | 600                 | 24                 | 600                 |
|             | 5                          | Power                    | Electric             |                   | 48 Volts                    |                     |                    |                     |                    |                     |
|             | 6                          | Operator Type            |                      |                   | Sit Down                    |                     |                    |                     |                    |                     |
|             | 7/7a                       | Load Distance            | Extended/Retracted   | in mm             | 7.95/Battery Chart          | 202/Battery Chart   | 7.95/Battery Chart | 202/Battery Chart   | 7.95/Battery Chart | 202/Battery Chart   |
|             | 8                          | Wheels (x = driven)      | Number Front/Rear    |                   | 1x/2                        |                     |                    |                     |                    |                     |
|             | 9                          | Tire Type                |                      |                   | Poly                        |                     |                    |                     |                    |                     |
|             | 10                         | Tires                    | Size - Drive/Caster  | in mm             | 13.5x4.5, 11.2x3.9          | 343x114, 285x80     | 13.5x4.5, 11.2x3.2 | 343x114, 285x80     | 13.5x4.5, 11.2x3.2 | 343x114, 285x80     |
| 11          | Truck Weight               | Less Battery             | lb kg                | 4,530*            | 2055*                       | 4,530*              | 2055*              | 5,867*              | 2661*              |                     |
| Dimensions  | 12                         | Lift Height              | Max Fork Height      | in mm             | See Mast Chart              |                     |                    |                     |                    |                     |
|             | 13                         | Free Lift Height         | w/o Load Backrest    | in mm             |                             |                     |                    |                     |                    |                     |
|             | 14                         | Overall Collapsed Height | in mm                |                   |                             |                     |                    |                     |                    |                     |
|             | 15                         | Overall Extended Height  | w/o Load Backrest    | in mm             |                             |                     |                    |                     |                    |                     |
|             | 16                         | Overhead Guard Height    | in mm                | 85.6              | 2175                        | 85.6                | 2175               | 85.6                | 2175               |                     |
|             | 17                         | Outrigger Height         | in mm                | 11.9              | 301                         | 11.9                | 301                | 13.6                | 346                |                     |
|             | 18                         | Head Length              | in mm                | See Battery Chart |                             |                     |                    |                     |                    |                     |
|             | 19                         | Overall Width            | in mm                | 50.6              | 1285                        | 50.6                | 1285               | 50.6                | 1285               |                     |
|             | 20                         | Fork                     | Standard L x W x T   | in mm             | 39x4x1.5                    | 990x102x38          | 39x4x1.5           | 990x102x38          | 39x4x1.5           | 990x102x38          |
|             |                            |                          | Optional Lengths     | in mm             | 31.5,42, 48,48              | 800,1065, 1145,1220 | 31.5,42, 48,48     | 800,1065, 1145,1220 | 31.5,42, 48,48     | 800,1065, 1145,1220 |
|             | 21                         | Sideshift                | Left/Right           | in mm             | 2                           | 50                  | 2                  | 50                  | 2                  | 50                  |
|             | 22                         | Mast/Carriage Tilt       | Forward/Backward     | degree            | See Mast Chart              |                     |                    |                     |                    |                     |
|             | 23                         | Width Across Forks       | Max                  | in mm             | 27.4                        | 695                 | 27.4               | 695                 | 27.4               | 695                 |
|             | 24                         | Fork Carriage Width      | with Sideshift       | in mm             | 30.3                        | 770                 | 30.3               | 770                 | 30.3               | 770                 |
|             | 25                         | Reach                    | in mm                | See Battery Chart |                             |                     |                    |                     |                    |                     |
|             | 26                         | Length Over Outriggers   | in mm                | 70.3              | 1785                        | 74.1                | 1880               | 74.1                | 1880               |                     |
|             | 27                         | Ground Clearance         | in mm                | 3                 | 76                          | 3                   | 76                 | 3                   | 76                 |                     |
|             | 28                         | Turning Radius           | in mm                | 64.8              | 1645                        | 68.5                | 1740               | 68.5                | 1740               |                     |
| 29          | Wheelbase (Standard Wheel) | in mm                    | 54.3                 | 1380              | 58.1                        | 1475                | 58.1               | 1475                |                    |                     |
| Performance | 30                         | Speed Travel**           | Empty/Loaded         | mph km/h          | 6.2                         | 10                  | 6.2                | 10                  | 8.7                | 14                  |
|             | 31                         | Speed Lift               | Empty                | fpm m/s           | 118                         | 0.6                 | 118                | 0.6                 | 118                | 0.6                 |
|             |                            |                          | Loaded               | fpm m/s           | 79                          | 0.4                 | 79                 | 0.4                 | 79                 | 0.4                 |
|             | 32                         | Speed Lower              | Empty                | fpm m/s           | 98                          | 0.5                 | 98                 | 0.5                 | 98                 | 0.5                 |
|             |                            |                          | Loaded               | fpm m/s           | 98                          | 0.5                 | 98                 | 0.5                 | 98                 | 0.5                 |
|             | 33                         | Max Gradeability         | w/wo Load            | %                 | 12/12                       |                     |                    |                     |                    |                     |
| 34          | Brakes                     | Regen/Load Wheel Brake   |                      | Regen/No          |                             | Regen/1x            |                    |                     |                    |                     |
| Battery     | 35                         | Battery Type             |                      |                   | Lead Acid                   |                     |                    |                     |                    |                     |
|             | 36                         | Max Amp                  | Ah                   |                   | 775                         |                     |                    |                     |                    |                     |
|             | 37                         | Max Battery Size LxWxH   | in mm                |                   | See Battery Chart           |                     |                    |                     |                    |                     |

\* TL Mast 109" (2760 mm) + Option 5 Battery Tray

\*\* 5.6 mph (9.0 km/h) in fork direction



# ESR 1260 Series

# Specifications

|             |                            |                          |                        | Imperial | Metric                      | Imperial            | Metric             | Imperial            | Metric             |                     |
|-------------|----------------------------|--------------------------|------------------------|----------|-----------------------------|---------------------|--------------------|---------------------|--------------------|---------------------|
| General     | 1                          | Manufacturer             |                        |          | Crown Equipment Corporation |                     |                    |                     |                    |                     |
|             | 2                          | Model                    |                        |          | ESR 1260-30                 |                     | ESR 1260-35        |                     | ESR 1260-45        |                     |
|             | 3                          | Load Capacity            | lb kg                  |          | 3,000                       | 1400                | 3,500              | 1600                | 4,500              | 2000                |
|             | 4                          | Load Center              | Fork face to load CG   | in mm    | 24                          | 600                 | 24                 | 600                 | 24                 | 600                 |
|             | 5                          | Power                    | Electric               |          | 48 Volts                    |                     |                    |                     |                    |                     |
|             | 6                          | Operator Type            |                        |          | Sit Down                    |                     |                    |                     |                    |                     |
|             | 7/7a                       | Load Distance            | Extended/Retracted     | in mm    | 7.4/Battery Chart           | 187/Battery Chart   | 8.5/Battery Chart  | 217/Battery Chart   | 8.5/Battery Chart  | 217/Battery Chart   |
|             | 8                          | Wheels (x = driven)      | Number Front/Rear      |          | 1x/2                        |                     |                    |                     |                    |                     |
|             | 9                          | Tire Type                |                        |          | Poly                        |                     |                    |                     |                    |                     |
|             | 10                         | Tires                    | Size - Drive/Caster    | in mm    | 13.5x5.5, 11.2x3.9          | 343x140, 285x80     | 13.5x5.5, 11.2x3.9 | 343x140, 285x100    | 13.5x5.5, 11.2x3.9 | 343x140, 285x100    |
| 11          | Truck Weight               | Less Battery             | lb kg                  | 5,587*   | 2534*                       | 5,637*              | 2557*              | 5,637*              | 2557*              |                     |
| Dimensions  | 12                         | Lift Height              | Max Fork Height        | in mm    | See Mast Chart              |                     |                    |                     |                    |                     |
|             | 13                         | Free Lift Height         | w/o Load Backrest      | in mm    |                             |                     |                    |                     |                    |                     |
|             | 14                         | Overall Collapsed Height |                        | in mm    |                             |                     |                    |                     |                    |                     |
|             | 15                         | Overall Extended Height  | w/o Load Backrest      | in mm    |                             |                     |                    |                     |                    |                     |
|             | 16                         | Overhead Guard Height†   |                        | in mm    | 85.6, 93.5, 100.6           | 2175, 2375, 2554    | 85.6, 93.5, 100.6  | 2175, 2375, 2554    | 85.6, 93.5, 100.6  | 2175, 2375, 2554    |
|             | 17                         | Outrigger Height         |                        | in mm    | 11.9                        | 301                 | 13.6               | 346                 | 13.6               | 346                 |
|             | 18                         | Head Length              |                        | in mm    | See Battery Chart           |                     |                    |                     |                    |                     |
|             | 19                         | Overall Width            |                        | in mm    | See Table 1                 |                     |                    |                     |                    |                     |
|             | 20                         | Fork                     | Standard L x W x T     | in mm    | 39x4x1.5                    | 990x102x38          | 39x4x1.75          | 990x102x45          | 39x4x1.75          | 990x102x45          |
|             |                            |                          | Optional Lengths       | in mm    | 31.5,42, 48,48              | 800,1065, 1145,1220 | 31.5,42, 45,48     | 800,1065, 1145,1220 | 31.5,42, 45,48     | 800,1065, 1145,1220 |
|             | 21                         | Sideshift                | Left/Right             | in mm    | See Chassis Frame Chart     |                     |                    |                     |                    |                     |
|             | 22                         | Mast/Carriage Tilt       | Forward/Backward       | degree   | 2/4                         |                     |                    |                     |                    |                     |
|             | 23                         | Width Across Forks       | Max                    | in mm    | See Chassis Frame Chart     |                     |                    |                     |                    |                     |
|             | 24                         | Fork Carriage Width      | wi/wo Load Backrest    | in mm    | 30.3/29.5                   | 770/750             | 30.3/29.5          | 770/750             | 30.3/29.5          | 770/750             |
|             | 25                         | Reach                    |                        | in mm    | See Battery Chart           |                     |                    |                     |                    |                     |
|             | 26                         | Length Over Outriggers   |                        | in mm    | 70.3                        | 1785                | 74.9               | 1903                | 74.9               | 1903                |
|             | 27                         | Ground Clearance         |                        | in mm    | 3                           | 76                  | 3                  | 76                  | 3                  | 76                  |
| 28          | Turning Radius             |                          | in mm                  | 64.8     | 1645                        | 68.3                | 1734               | 68.3                | 1734               |                     |
| 29          | Wheelbase (Standard Wheel) |                          | in mm                  | 54.3     | 1380                        | 58.1                | 1475               | 58.1                | 1475               |                     |
| Performance | 30                         | Speed Travel**           | Empty/Loaded           | mph km/h | 6.2                         | 10                  | 8.7                | 14                  | 8.7                | 14                  |
|             | 31                         | Speed Lift               | Empty                  | fpm m/s  | 118                         | 0.6                 | 157                | 0.8                 | 140                | 0.71                |
|             |                            |                          | Loaded                 | fpm m/s  | 79                          | 0.4                 | 114                | 0.58                | 116                | 0.59                |
|             | 32                         | Speed Lower              | Empty                  | fpm m/s  | 98                          | 0.5                 | 112                | 0.57                | 112                | 0.57                |
|             |                            |                          | Loaded                 | fpm m/s  | 98                          | 0.5                 | 112                | 0.57                | 112                | 0.57                |
|             | 32a                        | Xpress Lower Speed       | Empty                  | fpm m/s  | 217                         | 1.1                 | 217                | 1.1                 | 217                | 1.1                 |
|             |                            |                          | Loaded                 | fpm m/s  | 217                         | 1.1                 | 217                | 1.1                 | 217                | 1.1                 |
| 33          | Max Gradeability           | w/wo Load                | %                      | 12/12    |                             |                     |                    |                     |                    |                     |
| Battery     | 34                         | Brakes                   | Regen/Load Wheel Brake |          | Regen/2x                    |                     |                    |                     |                    |                     |
|             | 35                         | Battery Type             |                        |          | Lead Acid                   |                     |                    |                     |                    |                     |
|             | 36                         | Max Amp                  | Ah                     |          | 1,085                       |                     |                    |                     |                    |                     |
|             | 37                         | Max Battery Size LxWxH   | in mm                  |          | See Battery Chart           |                     |                    |                     |                    |                     |

\* TT 4-Roller Mast 192" (4890 mm) + Option 1 Battery Tray

\*\* RR 6-Roller Mast 181" (4595 mm) + Option 2 Battery Tray

† Panoramic Overhead Guard Height Option is 90.6" (2300 mm)

# ESR 1200 Series

# Specifications

| Battery Chart ESR 1220 |                         |             |       |             |           |             |           |             |           |             |           |
|------------------------|-------------------------|-------------|-------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|
| Dimensions             | Battery Option          |             |       | Option 5    |           | Option 6    |           | Option 7    |           | Option 8    |           |
|                        | Battery Weight Min-Max  |             | lb kg | 1,193-1,360 | 541-617   | 1,563-1,360 | 709-830   | 1,962-2,696 | 890-1223  | 2,343-3,056 | 1063-1035 |
|                        | Battery Length          |             | in mm | 39.9-40.75  | 1014-1035 | 39.9-40.75  | 1014-1035 | 39.9-40.75  | 1014-1035 | 39.9-40.75  | 1014-1035 |
|                        | Max Battery Height      |             | in mm | 30.9        | 785       | 30.9        | 785       | 30.9        | 785       | 30.9        | 785       |
|                        | Battery Width           |             |       |             |           |             |           |             |           |             |           |
|                        |                         | ESR 1220-30 | in mm | 9.75-10.35  | 248-263   | 13.30-13.90 | 338-353   | 16.80-17.45 | 427-443   | na          | na        |
|                        |                         | ESR 1220-35 | in mm | na          | na        | 13.30-13.90 | 338-353   | 16.80-17.45 | 427-443   | 20.45-21.0  | 520-533   |
|                        | Load Distance Retracted |             |       |             |           |             |           |             |           |             |           |
|                        | 7a                      | ESR 1220-30 | in mm | 18.6        | 472       | 15.2        | 387       | 11.7        | 297       | na          | na        |
|                        | 7a                      | ESR 1220-35 | in mm | na          | na        | 19          | 482       | 15.43       | 392       | 11.9        | 302       |
|                        | Head Length             |             |       |             |           |             |           |             |           |             |           |
|                        | 18                      | ESR 1220-30 | in mm | 45.9        | 1166      | 49.3        | 1251      | 52.8        | 1341      | na          | na        |
|                        | 18                      | ESR 1220-35 | in mm | na          | na        | 49.3        | 1251      | 52.8        | 1341      | 56.3        | 1431      |
|                        | Reach                   |             |       |             |           |             |           |             |           |             |           |
|                        | 25                      | ESR 1220-30 | in mm | 26.5        | 674       | 23.2        | 589       | 19.7        | 499       | na          | na        |
| 25                     | ESR 1220-35             | in mm       | na    | na          | 26.9      | 684         | 23.4      | 594         | 19.8      | 504         |           |

| Battery Chart ESR 1240 and ESR 1260 |                         |             |             |             |             |             |             |             |             |             |         |
|-------------------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| Dimensions                          | Battery Option          |             | Option 1    |             | Option 2    |             | Option 3    |             | Option 4    |             |         |
|                                     | Battery Weight Min-Max  | lb kg       | 1,572-1,781 | 713-808     | 1,965-2,218 | 891-1006    | 2,343-2,734 | 1063-1258   | 2,736-3,508 | 1241-1591   |         |
|                                     | Battery Length          | in mm       | 47.25-48.20 | 1200-1224   | 47.25-48.20 | 1200-1224   | 47.25-48.20 | 1200-1224   | 47.25-48.20 | 1200-1224   |         |
|                                     | Max Battery Height      | in mm       | 30.9        | 785         | 30.9        | 785         | 30.9        | 785         | 30.9        | 785         |         |
|                                     | Battery Width           |             |             |             |             |             |             |             |             |             |         |
|                                     |                         | ESR 1240-30 | in mm       | 10.55-11.15 | 268-283     | 13.35-14.00 | 339-355     | 16.25-16.80 | 412-427     | na          | na      |
|                                     |                         | ESR 1240-35 | in mm       | 10.55-11.15 | 268-283     | 13.35-14.00 | 339-355     | 16.25-16.80 | 412-427     | na          | na      |
|                                     |                         | ESR 1240-45 | in mm       | 10.55-11.15 | 268-283     | 13.35-14.00 | 339-355     | 16.25-16.80 | 412-427     | na          | na      |
|                                     |                         | ESR 1260-30 | in mm       | 10.55-11.15 | 268-283     | 13.35-14.00 | 339-355     | 16.25-16.80 | 412-427     | na          | na      |
|                                     |                         | ESR 1260-35 | in mm       | 10.55-11.15 | 268-283     | 13.35-14.00 | 339-355     | 16.25-16.80 | 412-427     | 19.10-19.65 | 485-499 |
|                                     |                         | ESR 1260-45 | in mm       | na          | na          | 13.35-14.00 | 339-355     | 16.25-16.80 | 412-427     | 19.10-19.65 | 485-499 |
|                                     | Load Distance Retracted |             |             |             |             |             |             |             |             |             |         |
|                                     | 7a                      | ESR 1240-30 | in mm       | 17.8        | 452         | 15.2        | 385         | 12.4        | 315         | na          | na      |
|                                     | 7a                      | ESR 1240-35 | in mm       | 21.5        | 547         | 18.9        | 480         | 16.1        | 410         | na          | na      |
|                                     | 7a                      | ESR 1240-45 | in mm       | na          | na          | 18.9        | 480         | 16.1        | 410         | na          | na      |
|                                     | 7a                      | ESR 1260-30 | in mm       | 14.1        | 357         | 11.8        | 300         | 9           | 228         | na          | na      |
|                                     | 7a                      | ESR 1260-35 | in mm       | 17.5        | 445         | 15.3        | 388         | 12.4        | 316         | 9.6         | 244     |
|                                     | 7a                      | ESR 1260-45 | in mm       | na          | na          | 15.3        | 388         | 12.4        | 316         | 9.6         | 244     |
|                                     | Head Length             |             |             |             |             |             |             |             |             |             |         |
|                                     | 18                      | ESR 1240-30 | in mm       | 46.7        | 1186        | 49.3        | 1253        | 52.1        | 1323        | na          | na      |
|                                     | 18                      | ESR 1240-35 | in mm       | 46.7        | 1186        | 49.3        | 1253        | 52.1        | 1323        | na          | na      |
|                                     | 18                      | ESR 1240-45 | in mm       | na          | na          | 18.9        | 480         | 16.1        | 410         | na          | na      |
|                                     | 18                      | ESR 1260-30 | in mm       | 14.1        | 357         | 11.8        | 300         | 9           | 228         | na          | na      |
|                                     | 18                      | ESR 1260-35 | in mm       | 17.5        | 445         | 15.3        | 388         | 12.4        | 316         | 9.6         | 244     |
|                                     | 18                      | ESR 1260-45 | in mm       | na          | na          | 15.3        | 388         | 12.4        | 316         | 9.6         | 244     |
|                                     | Reach                   |             |             |             |             |             |             |             |             |             |         |
|                                     | 25                      | ESR 1240-30 | in mm       | 25.2        | 639         | 22.5        | 572         | 19.8        | 503         | na          | na      |
|                                     | 25                      | ESR 1240-35 | in mm       | 28.9        | 734         | 26.3        | 667         | 23.5        | 598         | na          | na      |
|                                     | 25                      | ESR 1240-45 | in mm       | 28.9        | 734         | 26.3        | 667         | 23.5        | 598         | na          | na      |
|                                     | 25                      | ESR 1260-30 | in mm       | 21.4        | 544         | 19.2        | 487         | 16.3        | 415         | na          | na      |
|                                     | 25                      | ESR 1260-35 | in mm       | 26.1        | 662         | 23.8        | 605         | 21          | 533         | 18.2        | 461     |
|                                     | 25                      | ESR 1260-45 | in mm       | na          | na          | 23.8        | 605         | 21          | 533         | 18.2        | 461     |

Bolt-on spacer kit will be included as standard.

All ESR 1220-30 and 1240-30 models with a lift height  $\geq 313"$  (7950 mm), or 1220-35 and 1240-35 models, will have a TT mast and an integrated sideshifter, this adds 1.8"(46 mm) to load distance retracted and head length.

## ESR 1200 Series

## Specifications

| Chassis Frame |                                             | ESR 1220 | Standard |      |          |      |        |      |        |      |        |      |
|---------------|---------------------------------------------|----------|----------|------|----------|------|--------|------|--------|------|--------|------|
|               |                                             | ESR 1240 |          |      | Standard |      | Option |      | Option |      | Option |      |
|               |                                             | ESR 1260 |          |      | Standard |      | Option |      | Option |      | Option |      |
|               | Track Width Rear                            | in mm    | 38.8     | 985  | 46.3     | 1177 | 45.1   | 1146 | 51.9   | 1317 | 58.1   | 1476 |
| 19            | Overall width rear - chassis bottom         | in mm    | 44.1     | 1120 | 50.6     | 1285 | 50.6   | 1285 | 56.1   | 1425 | 62     | 1575 |
|               | Overall width rear - chassis middle section | in mm    | 43.6     | 1108 | 50       | 1269 | 50     | 1269 | 50     | 1269 | 50     | 1269 |
| 24            | Fork Carriage                               | in mm    | 29.5     | 750  | 29.5     | 750  | 29.5   | 750  | 29.5   | 750  | 38.6   | 980  |
| 23            | Width across forks, max.                    | in mm    | 27.4     | 695  | 27.4     | 695  | 27.4   | 695  | 27.4   | 695  | 36.4   | 925  |
|               | Width inside straddle                       | in mm    | 35.6     | 905  | 38       | 965  | 42.1   | 1070 | 43.5   | 1105 | 49.4   | 1255 |
| 21            | Sideshift Movement (Left/Right)             | in mm    | 2        | 50   | 2.8      | 70   | 2.8    | 70   | 2.8    | 70   | 3.9    | 100  |

|                          |    |                   |              | TL Tilting Mast           |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
|--------------------------|----|-------------------|--------------|---------------------------|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|
| Mast Chart ESR 1220/1240 |    |                   |              | ESR 1220-30*/ESR 1240-30* |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| Dimensions               | 12 | Lift Height       | in mm        | 109                       | 2760 | 121 | 3070 | 137 | 3490 | 150 | 3810 | 161 | 4080 | 176 | 4480 | 185 | 4710 | 195 | 4950 | 207 | 5250 |
|                          | 13 | Free Lift Height* | in mm        | 4                         | 100  | 4   | 100  | 4   | 100  | 4   | 100  | 4   | 100  | 4   | 100  | 4   | 100  | 4   | 100  | 4   | 100  |
|                          | 14 | Mast Collapsed Ht | in mm        | 78                        | 1990 | 85  | 2150 | 93  | 2360 | 99  | 2520 | 104 | 2650 | 112 | 2850 | 117 | 2970 | 122 | 3090 | 128 | 3240 |
|                          | 15 | Mast Extended Ht* | in mm        | 130                       | 3305 | 143 | 3620 | 159 | 4045 | 172 | 4360 | 182 | 4630 | 198 | 5030 | 207 | 5260 | 217 | 5500 | 228 | 5800 |
|                          | 22 | Mast Tilt         | Degree F°/B° | 2/4                       |      | 2/4 |      | 1/3 |      | 1/3 |      | 1/3 |      | 1/3 |      | 1/3 |      | 1/3 |      | 1/3 |      |

|                          |    |                   |              | TT Tilting Mast           |      |     |      |     |      |     |      |     |      |       |      |       |      |       |      |       |      |
|--------------------------|----|-------------------|--------------|---------------------------|------|-----|------|-----|------|-----|------|-----|------|-------|------|-------|------|-------|------|-------|------|
| Mast Chart ESR 1220/1240 |    |                   |              | ESR 1220-30*/ESR 1240-30* |      |     |      |     |      |     |      |     |      |       |      |       |      |       |      |       |      |
| Dimensions               | 12 | Lift Height       | in mm        | 166                       | 4210 | 184 | 4680 | 209 | 5315 | 228 | 5790 | 244 | 6190 | 268   | 6795 | 281   | 7140 | 295   | 7500 | 303   | 7700 |
|                          | 13 | Free Lift Height* | in mm        | 55                        | 1415 | 61  | 1570 | 70  | 1785 | 76  | 1945 | 81  | 2075 | 89    | 2275 | 94    | 2395 | 99    | 2515 | 106   | 2710 |
|                          | 14 | Mast Collapsed Ht | in mm        | 76                        | 1935 | 82  | 2090 | 91  | 2305 | 97  | 2465 | 102 | 2595 | 110   | 2795 | 115   | 2915 | 119   | 3030 | 127   | 3235 |
|                          | 15 | Mast Extended Ht* | in mm        | 187                       | 4740 | 205 | 5210 | 230 | 5850 | 249 | 6325 | 265 | 6725 | 288   | 7320 | 302   | 7675 | 316   | 8035 | 324   | 8235 |
|                          | 22 | Mast Tilt         | Degree F°/B° | 1/3                       |      | 1/3 |      | 1/3 |      | 1/3 |      | 1/3 |      | 0.5/3 |      | 0.5/3 |      | 0.5/3 |      | 0.5/3 |      |

\* All -30 models with lift heights  $\geq 313"$  (7950 mm) will have sideshifter.

For Lift Heights below 313" (7950 mm) with a sideshifter, Free Lift Height will be reduced by 3.9" (100 mm) and Mast Extended Height will increase by 0.59" (15 mm).

# ESR 1200 Series

## Specifications

| Mast TT                         |                 |       | 4.4<br>Lift Height<br>12 |       | 4.2<br>Collapsed<br>14 |      | 4.3<br>Free-lift<br>h2 |      | 4.5<br>Extended<br>h4 |       | ESR 1220-30<br>ESR 1220-40 | ESR 1240-30<br>ESR 1260-30 | ESR 1240-35<br>ESR 1260-35 | ESR 1240-45<br>ESR 1260-45 |
|---------------------------------|-----------------|-------|--------------------------|-------|------------------------|------|------------------------|------|-----------------------|-------|----------------------------|----------------------------|----------------------------|----------------------------|
| 4-Roller<br>Tilting<br>Carriage | Heavy<br>Duty   | in mm | 176                      | 4450  | 79                     | 2025 | 53                     | 1350 | 197                   | 5025  | ●                          | ●                          | ●                          | -                          |
|                                 |                 | in mm | 185                      | 4675  | 82                     | 2100 | 56                     | 1425 | 206                   | 5250  | ●                          | ●                          | ●                          | -                          |
|                                 |                 | in mm | 214                      | 5425  | 92                     | 2350 | 65                     | 1675 | 236                   | 6000  | ●                          | ●                          | ●                          | -                          |
|                                 |                 | in mm | 232                      | 5875  | 98                     | 2500 | 71                     | 1825 | 253                   | 6450  | ●                          | ●                          | ●                          | -                          |
|                                 |                 | in mm | 264                      | 6700  | 109                    | 2775 | 82                     | 2100 | 286                   | 7275  | ●                          | ●                          | ●                          | -                          |
|                                 |                 | in mm | 273                      | 6925  | 112                    | 2850 | 85                     | 2175 | 295                   | 7500  | ●                          | ●                          | ●                          | -                          |
|                                 |                 | in mm | 285                      | 7225  | 116                    | 2950 | 89                     | 2275 | 307                   | 7800  | ●                          | ●                          | ●                          | -                          |
|                                 |                 | in mm | 297                      | 7525  | 120                    | 3050 | 93                     | 2375 | 318                   | 8100  | ●                          | ●                          | ●                          | -                          |
|                                 |                 | in mm | 309                      | 7825  | 124                    | 3150 | 97                     | 2475 | 330                   | 8400  | ●                          | ●                          | ●                          | -                          |
|                                 |                 | in mm | 332                      | 8425  | 131                    | 3350 | 105                    | 2675 | 354                   | 9000  | ④                          | ①                          | ①                          | -                          |
|                                 |                 | in mm | 353                      | 8950  | 138                    | 3525 | 112                    | 2850 | 375                   | 9525  | ④                          | ①                          | ①                          | -                          |
|                                 |                 | in mm | 362                      | 9175  | 141                    | 3600 | 115                    | 2925 | 383                   | 9750  | ④                          | ①                          | ①                          | -                          |
|                                 |                 | in mm | 374                      | 9475  | 148                    | 3700 | 119                    | 3025 | 395                   | 10050 | -                          | ①                          | ①                          | -                          |
|                                 |                 | in mm | 382                      | 9700  | 148                    | 3775 | 122                    | 3100 | 404                   | 10275 | -                          | ①                          | ①                          | -                          |
|                                 |                 | in mm | 403                      | 10225 | 155                    | 3950 | 128                    | 3275 | 425                   | 10800 | -                          | ①                          | ①                          | -                          |
|                                 |                 | in mm | 421                      | 10675 | 165                    | 4200 | 138                    | 3525 | 442                   | 11250 | -                          | ①                          | ①                          | -                          |
| 6-Roller<br>Tilting<br>Carriage | Super<br>Duty   | in mm | 427                      | 10825 | 167                    | 4250 | 140                    | 3575 | 448                   | 11400 | -                          | ①                          | ①                          | -                          |
|                                 |                 | in mm | 436                      | 11050 | 170                    | 4325 | 143                    | 3650 | 457                   | 11625 | -                          | ①                          | ①                          | -                          |
|                                 |                 | in mm | 427                      | 10830 | 167                    | 4250 | 140                    | 3580 | 450                   | 11455 | -                          | -                          | ①                          | -                          |
|                                 |                 | in mm | 436                      | 11055 | 170                    | 4325 | 143                    | 3655 | 459                   | 11680 | -                          | -                          | ①                          | -                          |
|                                 | Heavy<br>Duty   | in mm | 450                      | 11430 | 175                    | 4450 | 148                    | 3780 | 474                   | 12055 | -                          | -                          | ①                          | -                          |
|                                 |                 | in mm | 474                      | 12030 | 183                    | 4650 | 156                    | 3980 | 498                   | 12655 | -                          | -                          | ①                          | -                          |
|                                 |                 | in mm | 164                      | 4155  | 79                     | 2025 | 53                     | 1355 | 188                   | 4780  | -                          | -                          | -                          | ①                          |
|                                 |                 | in mm | 185                      | 4680  | 86                     | 2200 | 60                     | 1530 | 208                   | 5305  | -                          | -                          | -                          | ①                          |
|                                 |                 | in mm | 214                      | 5430  | 96                     | 2450 | 70                     | 1780 | 238                   | 6055  | -                          | -                          | -                          | ①                          |
|                                 |                 | in mm | 232                      | 5880  | 102                    | 2600 | 75                     | 1930 | 256                   | 6505  | -                          | -                          | -                          | ①                          |
|                                 |                 | in mm | 253                      | 6405  | 109                    | 2775 | 82                     | 2105 | 276                   | 7030  | -                          | -                          | -                          | ①                          |
|                                 |                 | in mm | 273                      | 6930  | 116                    | 2950 | 89                     | 2280 | 297                   | 7555  | -                          | -                          | -                          | ①                          |
|                                 |                 | in mm | 285                      | 7230  | 120                    | 3050 | 93                     | 2380 | 309                   | 7855  | -                          | -                          | -                          | ①                          |
|                                 |                 | in mm | 309                      | 7830  | 127                    | 3250 | 101                    | 2580 | 332                   | 8455  | -                          | -                          | -                          | ①                          |
|                                 |                 | in mm | 329                      | 8355  | 134                    | 3425 | 108                    | 2755 | 353                   | 8980  | -                          | -                          | -                          | ①                          |
|                                 |                 | in mm | 353                      | 8955  | 142                    | 3625 | 116                    | 2955 | 377                   | 9580  | -                          | -                          | -                          | ①                          |
|                                 | Super<br>Duty   | in mm | 362                      | 9180  | 145                    | 3700 | 119                    | 3030 | 386                   | 9805  | -                          | -                          | -                          | ①                          |
|                                 |                 | in mm | 383                      | 9705  | 152                    | 3875 | 126                    | 3205 | 406                   | 10330 | -                          | -                          | -                          | ①                          |
|                                 |                 | in mm | 391                      | 9930  | 155                    | 3950 | 129                    | 3280 | 415                   | 10555 | -                          | -                          | -                          | ①                          |
|                                 |                 | in mm | 421                      | 10680 | 165                    | 4200 | 138                    | 3530 | 445                   | 11305 | -                          | -                          | -                          | ①                          |
|                                 |                 | in mm | 427                      | 10830 | 167                    | 4250 | 140                    | 3580 | 450                   | 11455 | -                          | -                          | -                          | ①                          |
|                                 |                 | in mm | 450                      | 11430 | 175                    | 4450 | 148                    | 3780 | 474                   | 12055 | -                          | -                          | -                          | ①                          |
|                                 |                 | in mm | 474                      | 12030 | 183                    | 4650 | 156                    | 3980 | 498                   | 12655 | -                          | -                          | -                          | ①                          |
|                                 | Super<br>Duty+  | in mm | 392                      | 9955  | 174                    | 4425 | 147                    | 3755 | 416                   | 10580 | -                          | -                          | -                          | ②                          |
|                                 |                 | in mm | 422                      | 10705 | 184                    | 4675 | 157                    | 4005 | 446                   | 11330 | -                          | -                          | -                          | ②                          |
|                                 |                 | in mm | 451                      | 11455 | 193                    | 4925 | 167                    | 4255 | 475                   | 12080 | -                          | -                          | -                          | ②                          |
|                                 |                 | in mm | 475                      | 12055 | 201                    | 5125 | 175                    | 4455 | 499                   | 12680 | -                          | -                          | -                          | ②                          |
|                                 |                 | in mm | 490                      | 12430 | 206                    | 5250 | 180                    | 4580 | 513                   | 13055 | -                          | -                          | -                          | ②                          |
|                                 |                 | in mm | 499                      | 12655 | 209                    | 5325 | 183                    | 4655 | 522                   | 13280 | -                          | -                          | -                          | ②                          |
|                                 |                 | in mm | 513                      | 13030 | 214                    | 5450 | 188                    | 4780 | 537                   | 13655 | -                          | -                          | -                          | ②                          |
|                                 |                 | in mm | 534                      | 13555 | 221                    | 5625 | 195                    | 4955 | 558                   | 14180 | -                          | -                          | -                          | ②                          |
|                                 | Super<br>Duty++ | in mm | 551                      | 13980 | 236                    | 6000 | 210                    | 5335 | 575                   | 1461  | -                          | -                          | -                          | ② ③                        |
|                                 |                 | in mm | 560                      | 14205 | 239                    | 6075 | 212                    | 5405 | 583                   | 14830 | -                          | -                          | -                          | ② ③                        |

\*ESR 1260 Xpress Lower collapsed h1 & free lift h2 add 80 ± 5 mm and extd h4 add max. 90 mm.

● = available

① = option 1 battery type no available

② = option 1 battery type and option 2 battery type not available

③ = Xpress Lower not available, chassis width 1425 mm recommended

④ = option 5 battery type not available

## ESR 1200 Series

## Technical Information

| Standard ● / Optional ○                                            | ESR 1220 | ESR 1240 | ESR 1260 |
|--------------------------------------------------------------------|----------|----------|----------|
| <b>Truck Features</b>                                              |          |          |          |
| 44.1" (1120 mm) overall width                                      | ●        |          |          |
| 50.6" (1285 mm) overall width                                      |          | ●        | ●        |
| 56.1" (1425 mm) overall width                                      |          |          | ○        |
| 62" (1575 mm) overall width*                                       |          |          | ○        |
| 3000 lb (1400 kg) lift capacity at 24" (600 mm) load center        | ●        | ●        | ●        |
| 3500 lb (1600 kg) lift capacity at 24" (600 mm) load center        | ●        | ●        | ●        |
| 4500 lb (2000 kg) lift capacity at 24" (600 mm) load center        |          |          | ●        |
| <b>Battery Compartment</b>                                         |          |          |          |
| Battery rollers for horizontal extraction                          | ○        | ○        | ○        |
| SB 350 connector blue                                              | ●        | ●        | ●        |
| SB 350 connector red                                               | ○        | ○        | ○        |
| Li-Ion ready                                                       | ○        | ○        | ○        |
| <b>Controls and Instruments</b>                                    |          |          |          |
| Gena operating system control                                      | ●        | ●        | ●        |
| 7" color touch screen display tiltable with navigation keypad      | ●        | ●        | ●        |
| Display Navigation Knob                                            | ○        | ○        | ○        |
| Keyless start-up with User Access Code (ID reader also included)   | ●        | ●        | ●        |
| Key switch start-up (ID reader not available)                      | ○        | ○        | ○        |
| Travel/steer direction indicator                                   | ●        | ●        | ●        |
| Real-time clock and date                                           | ●        | ●        | ●        |
| Battery discharge indicator with lift lockout                      | ●        | ●        | ●        |
| Hour meters for various system functions                           | ●        | ●        | ●        |
| Fingertip hydraulic controls                                       | ●        | ●        | ●        |
| Dual lever hydraulic controls                                      | ○        | ○        | ○        |
| Multi-task hydraulic controls                                      | ○        | ○        | ○        |
| <b>Driving Features</b>                                            |          |          |          |
| Cornering Speed Control                                            | ●        | ●        | ●        |
| e-GEN® braking system                                              | ●        | ●        | ●        |
| On-Trac anti slip traction + brake                                 | ●        | ●        | ●        |
| Loadwheel brake system                                             | ④        | ④        | ●        |
| Ramp hold automatic braking for slopes + push-back rack            | ●        | ●        | ●        |
| Electro-mechanical parking brake                                   | ●        | ●        | ●        |
| Selectable performance levels (F1, F2, P1, P2, P3)                 | ●        | ●        | ●        |
| 360 Select™ steering system + indicator                            | ●        | ●        | ●        |
| <b>Lifting Features</b>                                            |          |          |          |
| Offset mast design                                                 | ●        | ●        | ●        |
| Tilting duplex mast (TL)                                           | ○        | ○        |          |
| Tilting triplex mast (TT)                                          | ①        | ①        |          |
| Integrated sideshift for tilting masts                             | ○        | ○        |          |
| Triplex mast (TT) with tilting fork carriage and sideshift         | ②        | ②        | ●        |
| Patented Xpress Lower faster mast lowering speed incl. Regen Lower |          |          | ○        |
| Tilt and sideshift single activation                               | ●        | ●        |          |
| Tilt Position Assist (TPA)                                         | ⑥        | ⑥        | ○        |
| Lift height and load weight indicator                              | ⑥        | ⑥        | ○        |
| Free lift indicator                                                | ●        | ●        | ●        |
| Auto Height Select (AHS)                                           | ⑥        | ⑥        | ○        |
| Capacity Data Monitor (CDM)                                        | ⑥        | ⑥        | ○        |
| Sideshift Position Assist (SPA)                                    | ⑥        | ⑥        | ○        |
| Lift speed reduction before maximum height                         | ●        | ●        | ●        |
| Travel speed reduction above 1000 mm lift height                   | ○        | ○        | ○        |
| Travel speed reduction above free lift                             | ●        | ●        | ●        |
| No load on outrigger function + override switch                    | ③        | ③        | ③        |
| Five raise cutouts with override switch incl. zone select          | ○        | ○        | ○        |
| Color camera system (fork or mast mounted)                         | ⑤        | ⑤        | ⑧        |
| ISO class 2 fork carriage                                          | ●        | ●        | ●        |
| Forktip indicators                                                 | ●        | ●        | ●        |
| 4th hydraulic function                                             | ○        | ○        | ●        |

\* 62" overall width requires 3.9" (100 mm) sideshifter

| Standard ● / Optional ○                                | ESR 1220 | ESR 1240 | ESR 1260 |
|--------------------------------------------------------|----------|----------|----------|
| <b>Lifting Features</b>                                |          |          |          |
| 5th hydraulic function                                 |          |          | ○        |
| Load backrest                                          | ○        | ○        | ●        |
| <b>Operator Comfort</b>                                |          |          |          |
| Panorama Glass Overhead Guard                          |          | ○        | ○        |
| High-visibility overhead guard                         | ●        | ●        | ●        |
| Plexiglass or mesh overhead guard cover                | ○        | ○        | ○        |
| MSG 65 seat with adjustable lumbar support             | ○        | ○        | ●        |
| FlexBack seat backrest                                 |          |          | ○        |
| Suspension seat                                        | ●        | ●        |          |
| Heated vinyl seat                                      | ○        | ○        | ○        |
| Heated cloth seat                                      | ○        | ○        | ○        |
| Headrest                                               | ○        | ○        | ○        |
| Controls mounted on armrest                            | ●        | ●        | ●        |
| Armrest adjustable back + forth                        | ⑦        | ●        | ●        |
| Armrest adjustable back + forth + tiltable armrest pad | ○        | ○        | ○        |
| Adjustable steering column with tools                  | ●        | ●        |          |
| Adjustable steering column without tools               | ○        | ○        | ●        |
| Automotive-type accelerator and brake pedals           | ●        | ●        | ●        |
| Multiple storage areas for tools                       | ●        | ●        | ●        |
| Low, wide entry step                                   | ●        | ●        | ●        |
| Desktop with clipboard                                 | ○        | ○        | ●        |
| Speaker                                                | ●        | ●        | ●        |
| <b>Safety Features</b>                                 |          |          |          |
| Operator presence pedal                                | ●        | ●        | ●        |
| Seat switch                                            | ●        | ●        | ●        |
| Power disconnect switch                                | ●        | ●        | ●        |
| Safety reminders                                       | ●        | ●        | ●        |
| <b>Maintenance Features</b>                            |          |          |          |
| Event code history                                     | ●        | ●        | ●        |
| Built-in diagnostic system                             | ●        | ●        | ●        |
| InfoPoint maps                                         | ●        | ●        | ●        |
| Brushless AC motors                                    | ●        | ●        | ●        |
| Swing-out seat deck for easy access                    | ●        | ●        | ●        |
| InfoLink® fleet management system hardware, integrated | ●        | ●        | ●        |
| <b>Work Assist Accessories</b>                         |          |          |          |
| Clipboard                                              | ○        | ○        | ○        |
| Scan gun holder                                        | ○        | ○        | ○        |
| Adjustable arm for WMS monitor                         | ○        | ○        | ○        |
| 12, 24 or 48V power supply                             | ○        | ○        | ○        |
| Reading light                                          | ○        | ○        | ○        |
| Trash bin                                              |          |          | ○        |
| Beverage holder                                        | ○        | ○        | ○        |
| Storage pocket                                         | ○        | ○        | ○        |
| USB-Port                                               | ○        | ○        | ○        |
| <b>Lighting and Warning Device Options</b>             |          |          |          |
| Work lights (halogen or LED)                           | ○        | ○        | ○        |
| Flashing light (strobe or LED)                         | ○        | ○        | ○        |
| Blue floor spot light                                  | ○        | ○        | ○        |
| Audible travel alarm                                   | ○        | ○        | ○        |
| Rearview mirror                                        | ○        | ○        | ○        |
| Laser guidance system                                  | ○        | ○        | ○        |
| <b>Special Applications</b>                            |          |          |          |
| Drive-in rack overhead guard                           | ○        | ○        | ○        |
| Aisle guide rollers                                    | ○        | ○        | ○        |
| Coldstore condition to -22°F (-30°C)                   | ○        | ○        | ○        |
| Coldstore cabin with environmental control             |          |          | ○        |
| Load wheel protection                                  |          | ○        | ○        |

① Lift heights ≤ 303" (7700 mm)

② Lift heights > 303" (7700 mm)

③ Stops forks above outriggers if mast is retracted

④ ESR 1220/1240 -30 tilt mast no load wheel brake

⑤ Lift height ≥ 313" (7950 mm) only

⑥ Not applicable for tilt mast

⑦ ESR 1220 Armrest fixed

⑧ Mast camera for lift heights above 240" (6090 mm) only

## ESR 1200 Series

## Technical Information

### Operator Compartment and Controls

A comfortable low, wide step speeds entry. Non-slip floor mat ensures smooth and safe entry/exit. Once seated, the operator position can be adjusted to suit small and large operators.

A 7" (17.8 cm) color touchscreen delivers real-time information on the truck's operating status. Thirteen selectable widgets allow the operator to customize the display.

The travel direction switch, accessory controls, Auto Height Select and all hydraulic functions are at the operator's fingertip. Operators can maneuver the truck while blending lift and attachment functions to improve productivity.

The ergonomic armrest is wide and soft with fore and aft adjustment. There are five easily accessible storage compartments and an optional on-board USB-Port for charging mobile devices.

### Gena operating system

Crown's next generation lift truck operating system with integrated InfoLink hardware helps improve performance and safety by making it easy for operators and technicians to see, understand and use vital information. It provides a real-time, data-rich user experience and enhanced control of all primary lift truck systems.

- Traction motor control
- Hydraulic valve and motor control
- Steer & Brake motor control
- Programmable performance profiles
- Personalized information/advanced diagnostic display/operator messaging
- Safety checklists and Dynamic Coaching

The Gena user experience is designed to let operators easily adapt the display for the specific task at hand. Screens also offer context-sensitive help including alerts, automated assistance, real-time feedback and coaching.

The Crown display is used for easy trouble shooting, accessing service history and setting performance features. No handset or laptop required – all functions are on-board and easy to use.

### Productivity Features

Speed up your productivity with optional Xpress Lower. This exclusive technology lets you double lowering speeds, resulting in substantial savings in time and money.

Auto Height Select with one-touch control provides precision load stop at programmed rack heights. Tilt Position Assist with mast deflection compensation ensures the forks are level to the ground, regardless of load weight. Capacity Data Monitor provides visual indication and warning when limits are reached. Mast reach/retract speed adjusts depending on lift height and load for more confident handling.

### Traction Control

OnTrac anti-slip traction control monitors truck dynamics, optimizes tractive effort, reduces spinning during acceleration, prevents lock-up during braking, and can extend tire life. It increases traction performance in wet, dusty or freezer conditions.

### Travel

Crown's AC traction system is a closed loop traction control system that maintains top speed throughout the battery charge. Engineered and manufactured by Crown, the AC motor, controller and drive unit are designed specifically for lift truck applications.

Crown's intelligent Cornering Speed Control recognizes whether the operator is driving into or out of a curve, with the system analyzing steer tire angle, driving direction and steering direction. It then automatically adjusts speed and acceleration for maximum safe performance. Ramp Hold is an automatic braking function for slopes and push-back racks.

### Hydraulic System

The control system for the hydraulic pump motor and proportional valves facilitates precise and sensitive execution of all hydraulic functions. All hydraulic parameters such as lift, lower, tilt, side shift, and reach speeds are fully adjustable and can therefore be adapted to different applications.

### Moving Mast

Crown's offset, wide view mast delivers excellent visibility at height as well as for low-level operations. Mast cross-bracing and overhead guard bracing have been angled, and hose and chain rollers have been canting to further enhance visibility.

The ESR 1220 and 1240 feature a range of duplex and triplex masts with limited or full free lift. Tilting masts can compensate for uneven floors common in wet and outdoor applications.

The ESR 1260 features optional heavy and super duty triplex masts with full free lift, integrated side shift and tilting fork carriage. Mast channels are reinforced to minimize static and dynamic deflection when storing heavy loads at tall lift heights.

### Drive Unit

A highly efficient drive unit with Rhein-tacho sensor, helical gearing, integrated pinion and vertically mounted 3-phase (AC) noise reduced traction motor provides silent, powerful traction performance. The large heavy duty poly drive wheel offers high load capacity, long lift, and excellent travel comfort.

### Steering

360 Select control system allows the operator to choose between 180° and 360° steer tire rotation to match driving conditions, experience level or personal preference. The system can be locked in either mode with password-protected access.

### Braking

A disc brake on the motor armature shaft combined with motor regenerative e-GEN braking provides sure braking with fewer parts and maintenance requirements.

A foot pedal applies the service brake. The truck can also be brought to a stop by reversing the travel direction using the electric regenerative plugging function.

The parking brake is activated automatically when the truck comes to a stop. Once the operator has their feet on both pedals and has selected the travel direction, the parking brake will automatically be released.

### Motors

The Crown manufactured 3-phase (AC) motors deliver high torque and seamless reversal. Traction and hydraulic motors are oversized for superior thermal capability and are especially suitable for high lift heights, high loads and high ambient temperature applications.

### Warning Device Options

Audible or Visual Alerts

Safety considerations and dangers associated with audible travel alarms and lights include:

- Multiple alarms and/or lights can cause confusion.
- Workers ignore the alarms and/or lights after day-in and day-out exposure.
- Operator may transfer the responsibility for "looking out" to the pedestrians.
- Annoys operators and pedestrians.

### Other Options Available

Contact factory for additional options.

*Dimensions and performance data given may vary due to manufacturing tolerances.*

*Performance is based on an average size vehicle and is affected by weight, condition of truck, how it is equipped and the conditions of the operating area. Crown products and specifications are subject to change without notice.*



You can count on Crown to build lift trucks designed for safe operation, but that's only part of the safety equation. Crown encourages safe operating practices through ongoing operator training, safety-focused supervision, maintenance and a safe working environment. Go to [crown.com](https://crown.com) and view our safety section to learn more.

[crown.com](https://crown.com)

Because Crown is continually improving its products, specifications are subject to change without notice.

Crown Lift Trucks with Gena Operating Systems are connected products. Please see [crown.com](https://crown.com) for the data use policy to learn more.

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