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|-------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| L (m)                         | 150           | 400           | 95            | 253           | 253           | 253           | 253           | 253           | 900           | 350           | 300           | 200           |
| C                             | 1.60          | 1.25          | 1.89          | 1.37          | 1.37          | 1.37          | 1.37          | 1.37          | 1.10          | 1.27          | 1.31          | 1.45          |
| f                             | 0.023         | 0.024         | 0.026         | 0.023         | 0.024         | 0.023         | 0.024         | 0.024         | 0.023         | 0.026         | 0.026         | 0.024         |
| g (m/s <sup>2</sup> )         | 9.8           | 9.8           | 9.8           | 9.8           | 9.8           | 9.8           | 9.8           | 9.8           | 9.8           | 9.8           | 9.8           | 9.8           |
| $Q_{RR}$ (kg/m)               | 30.3          | 30.9          | 30.3          | 30.3          | 30.3          | 30.3          | 30.3          | 30.3          | 30.3          | 30.3          | 30.3          | 30.3          |
| $Q_B$ (kg/m)                  | 13.5          | 15.3          | 13.5          | 12.5          | 13.5          | 13.5          | 13.5          | 13.5          | 13.5          | 13.5          | 15.5          | 13.5          |
| H (m)                         | 26.05         | 103.52        | 40.15         | 43.93         | 65.48         | 86.53         | 43.93         | 65.48         | 156.28        | 90.58         | 77.64         | 34.72         |
| $\delta$ (degrees)            | 10            | 15            | 15            | 10            | 15            | 20            | 10            | 15            | 10            | 15            | 15            | 10            |
| Cos $\delta$                  | 0.98          | 0.97          | 0.97          | 0.98          | 0.97          | 0.94          | 0.98          | 0.97          | 0.98          | 0.97          | 0.97          | 0.98          |
| Motor efficiency ( $\eta_m$ ) | 0.95          | 0.91          | 0.89          | 0.94          | 0.89          | 0.95          | 0.89          | 0.89          | 0.88          | 0.91          | 0.87          | 0.89          |
| Drive efficiency ( $\eta_d$ ) | 0.85          | 0.90          | 0.89          | 0.92          | 0.90          | 0.86          | 0.85          | 0.87          | 0.90          | 0.83          | 0.84          | 0.90          |
| $\eta = \eta_m \times \eta_d$ | 0.81          | 0.82          | 0.79          | 0.86          | 0.80          | 0.82          | 0.76          | 0.77          | 0.79          | 0.76          | 0.73          | 0.80          |
| $C_1$                         | 3790.73       | 5074.92       | 2510.27       | 5156.32       | 5675.21       | 5535.41       | 6088.46       | 6312.01       | 16032.62      | 8418.39       | 7748.88       | 4637.71       |
| $C_2$                         | 321.97        | 1162.62       | 497.15        | 519.54        | 936.08        | 1127.59       | 671.59        | 952.73        | 2215.48       | 1312.56       | 1167.13       | 505.39        |