



**STRONG PARTNERS.  
TOUGH TRUCKS.™**



# **4-WHEEL ELECTRIC FORKLIFT TRUCKS**

**J2.2-3.5XN**

**2 200-3 500 KG**



# J2.2XN, J2.5XN, J3.0XN, J3.5XN ADVANCE

|                      |     |   |        |
|----------------------|-----|---|--------|
| DISTINGUISHING MARKS | 1.1 | Manufacturer (abbreviation)                                     |        |
|                      | 1.2 | Manufacturer's type designation                                 |        |
|                      |     | Model   |        |
|                      | 1.3 | Drive: electric (battery or mains), diesel, petrol, fuel gas    |        |
|                      | 1.4 | Operator type: hand, pedestrian, standing, seated, order-picker |        |
|                      | 1.5 | Rated capacity / Rated load                                     | Q (kg) |
|                      | 1.6 | Load centre distance  | c (mm) |
|                      | 1.8 | Load distance, centre of drive axle to fork                     | x (mm) |
|                      | 1.9 | Wheelbase   | y (mm) |

| HYSTER             |  | HYSTER             |  | HYSTER             |  |
|--------------------|--|--------------------|--|--------------------|--|
| J2.2XN             |  | J2.5XN-717         |  | J2.5XN-861         |  |
| Advance            |  | Advance            |  | Advance            |  |
| Electric (battery) |  | Electric (battery) |  | Electric (battery) |  |
| Seated             |  | Seated             |  | Seated             |  |
| 2200               |  | 2500               |  | 2500               |  |
| 500                |  | 500                |  | 500                |  |
| 419                |  | 419                |  | 419                |  |
| 1606               |  | 1606               |  | 1750               |  |

| HYSTER             |  | HYSTER             |  | DISTINGUISHING MARKS |
|--------------------|--|--------------------|--|----------------------|
| J3.0XN             |  | J3.5XN             |  |                      |
| Advance            |  | Advance            |  |                      |
| Electric (battery) |  | Electric (battery) |  |                      |
| Seated             |  | Seated             |  |                      |
| 3000               |  | 3500               |  |                      |
| 500                |  | 500                |  |                      |
| 431                |  | 431                |  |                      |
| 1750               |  | 1750               |  |                      |

|         |     |   |    |
|---------|-----|---|----|
| WEIGHTS | 2.1 | Service weight <input type="checkbox"/>                   | kg |
|         | 2.2 | Axle loading, laden front/rear <input type="checkbox"/>   | kg |
|         | 2.3 | Axle loading, unladen front/rear <input type="checkbox"/> | kg |

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 4520 |      | 4520 |      | 4930 |      |
| 5739 | 977  | 6211 | 805  | 6283 | 1144 |
| 2279 | 2236 | 2279 | 2236 | 2469 | 2458 |

|      |      |      |      |     |
|------|------|------|------|-----|
| 5000 |      | 5320 |      | 2.1 |
| 7157 | 841  | 7871 | 942  | 2.2 |
| 2560 | 2438 | 2508 | 2805 | 2.3 |

|                 |     |   |                      |
|-----------------|-----|---|----------------------|
| TYRES / CHASSIS | 3.1 | Tyres: L = pneumatic, V = cushion, SE = Pneumatic Shape Solid |                      |
|                 | 3.2 | Tyre size, front  |                      |
|                 | 3.3 | Tyre size, rear   |                      |
|                 | 3.5 | Wheels, number front/rear (x = driven wheels)                 |                      |
|                 | 3.6 | Tread, front *  | b <sub>10</sub> (mm) |
|                 | 3.7 | Tread, rear   | b <sub>11</sub> (mm) |

| SE           |      | SE           |      | SE           |      |
|--------------|------|--------------|------|--------------|------|
| 23 x 10 - 12 |      | 23 x 10 - 12 |      | 23 x 10 - 12 |      |
| 18 x 7 - 8   |      | 18 x 7 - 8   |      | 18 x 7 - 8   |      |
| 2X           | 2    | 2X           | 2    | 2X           | 2    |
| 938          | 1054 | 938          | 1054 | 938          | 1054 |
| 992          |      | 992          |      | 992          |      |

| SE           |      | SE           |      | TYRES / CHASSIS |
|--------------|------|--------------|------|-----------------|
| 23 x 10 - 12 |      | 23 x 10 - 12 |      |                 |
| 18 x 7 - 8   |      | 18 x 7 - 8   |      |                 |
| 2X           | 2    | 2X           | 2    |                 |
| 938          | 1054 | 938          | 1054 |                 |
| 992          |      | 992          |      |                 |

|            |   |   |                                       |
|------------|---|---|---------------------------------------|
| DIMENSIONS | 4.1   | Tilt of mast/fork carriage forward/backward                       | α / β (°)                             |
|            | 4.2   | Height, mast lowered  | h <sub>1</sub> (mm)                   |
|            | 4.3   | Free lift <input type="checkbox"/>                                | h <sub>2</sub> (mm)                   |
|            | 4.4   | Lift <input type="checkbox"/>                                     | h <sub>3</sub> (mm)                   |
|            | 4.5   | Height, mast extended <input type="checkbox"/>                    | h <sub>4</sub> (mm)                   |
|            | 4.7   | Height of overhead guard (cabin) <input type="checkbox"/>         | h <sub>5</sub> (mm)                   |
|            | 4.7.1   | Cab height (open cab)   |                                       |
|            | 4.8   | Seat height relating to SIP/stand height <input type="checkbox"/> | h <sub>7</sub> (mm)                   |
|            | 4.12  | Coupling height   | h <sub>10</sub> (mm)                  |
|            | 4.19  | Overall length  | l <sub>1</sub> (mm)                   |
|            | 4.20  | Length to face of forks <input type="checkbox"/>                  | l <sub>2</sub> (mm)                   |
|            | 4.21  | Overall width *   | b <sub>1</sub> /b <sub>2</sub> (mm)   |
|            | 4.22  | Fork dimensions DIN ISO 2331                                      | s/e/l (mm)                            |
|            | 4.23  | Fork carriage ISO 2328, class/type A, B                           |                                       |
|            | 4.24  | Fork carriage width <input type="checkbox"/>                      | b <sub>2</sub> (mm)                   |
|            | 4.31  | Ground clearance, laden, below mast                               | m <sub>1</sub> (mm)                   |
|            | 4.32  | Ground clearance, centre of wheelbase                             | m <sub>2</sub> (mm)                   |
|            | 4.33  | Load dimension b <sub>12</sub> × l <sub>2</sub> crossways         | b <sub>12</sub> × l <sub>2</sub> (mm) |
|            | 4.34  | Aisle width predetermined load dimensions                         | A <sub>21</sub> (mm)                  |
|            | 4.34.1  | Aisle width for pallets 1000 × 1200 wide <input type="checkbox"/> | A <sub>22</sub> (mm)                  |
|            | 4.34.2  | Aisle width for pallets 800 × 1200 long <input type="checkbox"/>  | A <sub>23</sub> (mm)                  |
|            | 4.35  | Turning radius  | W <sub>1</sub> (mm)                   |
|            | 4.36  | Internal turning radius   | b <sub>13</sub> (mm)                  |
| 4.41       | 90° intersecting aisle (With pallet W = 1200mm, L = 1000mm)         | (mm)  |                                       |
| 4.42       | Step Height (from ground to running board) <input type="checkbox"/> | (mm)  |                                       |
| 4.43       | Step Height   | (mm)  |                                       |

|             |      |             |      |             |      |
|-------------|------|-------------|------|-------------|------|
| 5           | 5    | 5           | 5    | 5           | 5    |
| 2192        |      | 2192        |      | 2192        |      |
| 100         |      | 100         |      | 100         |      |
| 3350        |      | 3350        |      | 3350        |      |
| 3960        |      | 3960        |      | 3960        |      |
| 2193        |      | 2193        |      | 2193        |      |
| 2206        |      | 2206        |      | 2206        |      |
| 1070        |      | 1070        |      | 1070        |      |
| 262         |      | 262         |      | 262         |      |
| 3336        |      | 3336        |      | 3480        |      |
| 2336        |      | 2336        |      | 2480        |      |
| 1173        | 1289 | 1173        | 1289 | 1173        | 1289 |
| 40          | 100  | 1000        | 40   | 100         | 1000 |
| 2A          |      | 2A          |      | 2A          |      |
| 1067        |      | 1067        |      | 1067        |      |
| 83          |      | 83          |      | 83          |      |
| 137         |      | 137         |      | 137         |      |
| 1200 x 1000 |      | 1200 x 1000 |      | 1200 x 1000 |      |
| 3613        |      | 3750        |      | 3750        |      |
| 3613        |      | 3613        |      | 3750        |      |
| 3766        |      | 3766        |      | 3906        |      |
| 1931        |      | 1931        |      | 2073        |      |
| 173         |      | 173         |      | 189         |      |
| 1981        |      | 1981        |      | 2043        |      |
| 706 / 810   |      | 706 / 810   |      | 706 / 810   |      |
| 475         |      | 475         |      | 475         |      |

|             |      |             |      |        |      |      |
|-------------|------|-------------|------|--------|------|------|
| 5           | 5    | 5           | 5    | 4.1    |      |      |
| 2192        |      | 2192        |      | 4.2    |      |      |
| 100         |      | 100         |      | 4.3    |      |      |
| 3155        |      | 3155        |      | 4.4    |      |      |
| 3865        |      | 3865        |      | 4.5    |      |      |
| 2193        |      | 2193        |      | 4.7    |      |      |
| 2206        |      | 2206        |      | 4.7.1  |      |      |
| 1070        |      | 1070        |      | 4.8    |      |      |
| 262         |      | 262         |      | 4.12   |      |      |
| 3492        |      | 3570        |      | 4.19   |      |      |
| 2492        |      | 2570        |      | 4.20   |      |      |
| 1173        | 1289 | 1173        | 1289 | 4.21   |      |      |
| 50          | 120  | 1000        | 50   | 120    | 1000 | 4.22 |
| 3A          |      | 3A          |      | 4.23   |      |      |
| 1067        |      | 1067        |      | 4.24   |      |      |
| 83          |      | 83          |      | 4.31   |      |      |
| 137         |      | 137         |      | 4.32   |      |      |
| 1200 x 1000 |      | 1200 x 1000 |      | 4.33   |      |      |
| 3762        |      | 3828        |      | 4.34   |      |      |
| 3762        |      | 3828        |      | 4.34.1 |      |      |
| 3918        |      | 3984        |      | 4.34.2 |      |      |
| 2073        |      | 2139        |      | 4.35   |      |      |
| 189         |      | 189         |      | 4.36   |      |      |
| 2043        |      | 2076        |      | 4.41   |      |      |
| 706 / 810   |      | 706 / 810   |      | 4.42   |      |      |
| 475         |      | 475         |      | 4.43   |      |      |

|                  |      |   |       |
|------------------|------|---|-------|
| PERFORMANCE DATA | 5.1  | Travel speed, laden / unladen <input type="checkbox"/>          | km/h  |
|                  | 5.2  | Lift speed, laden / unladen                                     | m/sec |
|                  | 5.3  | Lowering speed, laden / unladen                                 | m/sec |
|                  | 5.5  | Drawbar pull, laden / unladen, 60 minute rating **              | N     |
|                  | 5.6  | Maximum drawbar pull laden / unladen, 5 minute rating***        | N     |
|                  | 5.7  | Gradeability laden / unladen, 30 minute rating **** †           | %     |
|                  | 5.8  | Maximum gradeability laden / unladen *** †                      | %     |
|                  | 5.9  | Acceleration time, laden / unladen 10m <input type="checkbox"/> | sec   |
|                  | 5.10 | Service brake   |       |

|           |       |           |       |           |       |
|-----------|-------|-----------|-------|-----------|-------|
| 18.0      | 18.0  | 18.0      | 18.0  | 18.0      | 18.0  |
| 0.40      | 0.63  | 0.38      | 0.63  | 0.38      | 0.63  |
| 0.57      | 0.5   | 0.57      | 0.51  | 0.57      | 0.51  |
| 5468      | 5773  | 5591      | 5726  | 5591      | 5726  |
| 18045     | 19052 | 18451     | 18897 | 18451     | 18897 |
| 10        | 14    | 9         | 13    | 9         | 13    |
| 26        | 39    | 24        | 35    | 24        | 35    |
| 4.42      | 4.11  | 4.45      | 4.11  | 4.45      | 4.11  |
| Hydraulic |       | Hydraulic |       | Hydraulic |       |

|           |       |           |       |      |
|-----------|-------|-----------|-------|------|
| 17.0      | 18.0  | 16.0      | 18.0  | 5.1  |
| 0.33      | 0.59  | 0.31      | 0.59  | 5.2  |
| 0.56      | 0.46  | 0.58      | 0.46  | 5.3  |
| 5441      | 5588  | 5478      | 5720  | 5.5  |
| 17956     | 18441 | 18076     | 18875 | 5.6  |
| 8         | 12    | 7         | 12    | 5.7  |
| 22        | 34    | 20        | 32    | 5.8  |
| 4.56      | 4.18  | 4.60      | 4.23  | 5.9  |
| Hydraulic |       | Hydraulic |       | 5.10 |

|                 |     |  |                     |
|-----------------|-----|--|---------------------|
| ELECTRIC ENGINE | 6.1 | Drive motor rating S2 60 min                                       | kW                  |
|                 | 6.2 | Lift motor rating at S3 15%  | kW                  |
|                 | 6.3 | Battery according to DIN 43531/35/36 A, B, C, no                   |                     |
|                 | 6.4 | Battery voltage/nominal capacity K5                                | V/Ah                |
|                 | 6.5 | Battery weight (min/max)   | kg                  |
|                 | 6.6 | Energy consumption according to VDI cycle <input type="checkbox"/> | kWh/h @Nr of Cycles |

|          |      |          |      |          |      |
|----------|------|----------|------|----------|------|
| 2 x 10.0 |      | 2 x 10.0 |      | 2 x 10.0 |      |
| 16.0     |      | 16.0     |      | 16.0     |      |
| 43536A   |      | 43536A   |      | 43536A   |      |
| 80       | 560  | 80       | 560  | 80       | 700  |
| 1480     | 1635 | 1480     | 1635 | 1770     | 1956 |
| 6.68     |      | 7.00     |      | 7.89     |      |

|          |      |          |      |     |
|----------|------|----------|------|-----|
| 2 x 10.0 |      | 2 x 10.0 |      | 6.1 |
| 16.0     |      | 16.0     |      | 6.2 |
| 43536A   |      | 43536A   |      | 6.3 |
| 80       | 700  | 80       | 700  | 6.4 |
| 1770     | 1956 | 1770     | 1956 | 6.5 |
| 8.66     |      | 10.03    |      | 6.6 |

|                 |      |  |       |
|-----------------|------|--|-------|
| ADDITIONAL DATA | 8.1  | Drive control  |       |
|                 | 10.1 | Operating pressure for attachments                                 | bar   |
|                 | 10.2 | Oil volume for attachments <input type="checkbox"/>                | l/min |
|                 | 10.3 | Hydraulic oil tank, capacity                                       | l     |
|                 | 10.7 | Sound pressure level at the driver's seat <input type="checkbox"/> | dB(A) |
|                 | 10.8 | Towing coupling, type DIN  |       |

|               |  |               |  |               |  |
|---------------|--|---------------|--|---------------|--|
| AC electronic |  | AC electronic |  | AC electronic |  |
| 155           |  | 155           |  | 155           |  |
| 20-40         |  | 20-40         |  | 20-40         |  |
| 29.3          |  | 29.3          |  | 29.3          |  |
| 67            |  | 67            |  | 67            |  |
| Pin           |  | Pin           |  | Pin           |  |

|               |  |               |  |      |
|---------------|--|---------------|--|------|
| AC electronic |  | AC electronic |  | 8.1  |
| 155           |  | 155           |  | 10.1 |
| 20-40         |  | 20-40         |  | 10.2 |
| 29.3          |  | 29.3          |  | 10.3 |
| 67            |  | 67            |  | 10.7 |
| Pin           |  | Pin           |  | 10.8 |

Specification data is based on VDI 2198 \* Standard /Wide tread \*\* 60 minute rating \*\*\* 5 minute rating \*\*\*\* 30 minute rating

**NOTE:**  
Specifications are affected by the condition of the vehicle and how it is equipped, as well as the nature and condition of the operating area. If these specifications are critical, the proposed application should be discussed with your dealer.

- Max. battery
- Bottom of forks
- Without load backrest
- Full suspension in compressed position specified. Add 40 mm for nominal position. Add 104 mm for battery side removal option
- Add 28 mm with load backrest
- h<sub>5</sub> subject to +/- 5 mm tolerance. Add 20mm with cab option. Add 104mm for battery side removal option. Add 124mm for battery side removal with cab option
- Vertical/horizontal battery removal
- With sideshift carriage add 32mm for J2.2XN - J2.5XN-717, 34mm for J2.5XN-861 LVVB, 33mm for J3.0XN, 32mm for J3.5XN
- Stacking aisle width (lines 4.34.1 & 4.34.2) is based on the VDI standard calculation as shown on illustration. The British Industrial Truck Association recommends the addition of 100 mm to the total clearance (dimension a) for extra operating margin at the rear of the truck.
- Gradeability figures (lines 5.7 & 5.8) are provided for comparison of tractive performance, but are not intended to endorse the operation of the vehicle on the stated inclines. Follow instructions in the operating manual regarding operation on inclines.
- HiP Performance settings
- eLo Performance settings
- Maximum flow set through dash display.
- L<sub>PAZ</sub>, measured according to the test cycles and based on the weighting values contained in EN12053

- TABLES KEY:**
- Add 666mm with load backrest extension.
  - Deduct 666mm with load backrest extension.
  - Add 684mm with load backrest extension
  - Deduct 684mm with load backrest extension.
  - Add 583mm with load backrest extension.
  - Deduct 583mm with load backrest extension.
  - Add 601mm with load backrest extension.
  - Deduct 601mm with load backrest extension.
  - Nominal Battery compartment length.
  - Wide tread required. Standard tread possible but with reduced capacity. Contact your lift truck dealer
  - Alternative capacities available with pneumatic tyres. Contact your lift truck dealer.
  - Max fork height = h<sub>3</sub>+s
  - Freelif (top of forks) = h<sub>2</sub>+s

**NOTICE**  
Care must be exercised when handling elevated loads. When the carriage and/or load is elevated, truck stability is reduced. It is important that mast tilt in either direction be kept to a minimum when loads are elevated  
Operators must be trained and adhere to the instructions contained in the Operating Manual. Hyster products are subject to change without notice. Lift trucks illustrated may feature optional equipment.

**CE Safety:**  
This truck conforms to the current EU requirements.

# J2.2XN, J2.5XN, J3.0XN, J3.5XN ADVANCE+

|                      |     |   |        |
|----------------------|-----|---|--------|
| DISTINGUISHING MARKS | 1.1 | Manufacturer (abbreviation)                                     |        |
|                      | 1.2 | Manufacturer's type designation                                 |        |
|                      |     | Model   |        |
|                      | 1.3 | Drive: electric (battery or mains), diesel, petrol, fuel gas    |        |
|                      | 1.4 | Operator type: hand, pedestrian, standing, seated, order-picker |        |
|                      | 1.5 | Rated capacity / Rated load                                     | Q (kg) |
|                      | 1.6 | Load centre distance  | c (mm) |
|                      | 1.8 | Load distance, centre of drive axle to fork                     | x (mm) |
|                      | 1.9 | Wheelbase   | y (mm) |

| HYSTER             |      | HYSTER             |      | HYSTER             |      |
|--------------------|------|--------------------|------|--------------------|------|
| J2.2XN             |      | J2.5XN-717         |      | J2.5XN-861         |      |
| Advance+           |      | Advance+           |      | Advance+           |      |
| Electric (battery) |      | Electric (battery) |      | Electric (battery) |      |
| Seated             |      | Seated             |      | Seated             |      |
|                    | 2200 |                    | 2500 |                    | 2500 |
|                    | 500  |                    | 500  |                    | 500  |
|                    | 419  |                    | 419  |                    | 419  |
|                    | 1606 |                    | 1606 |                    | 1750 |

|         |     |                                    |    |
|---------|-----|------------------------------------|----|
| WEIGHTS | 2.1 | Service weight □                   | kg |
|         | 2.2 | Axle loading, laden front/rear □   | kg |
|         | 2.3 | Axle loading, unladen front/rear □ | kg |

|  |      |      |      |      |      |      |
|--|------|------|------|------|------|------|
|  | 4670 |      | 4870 |      | 4860 |      |
|  | 5640 | 1224 | 6114 | 1254 | 6183 | 1167 |
|  | 2018 | 2646 | 1805 | 3063 | 2067 | 2783 |

|                 |     |   |                      |
|-----------------|-----|---|----------------------|
| TYRES / CHASSIS | 3.1 | Tyres: L = pneumatic, V = cushion, SE = Pneumatic Shape Solid |                      |
|                 | 3.2 | Tyre size, front  |                      |
|                 | 3.3 | Tyre size, rear   |                      |
|                 | 3.5 | Wheels, number front/rear (x = driven wheels)                 |                      |
|                 | 3.6 | Tread, front *  | b <sub>10</sub> (mm) |
|                 | 3.7 | Tread, rear   | b <sub>11</sub> (mm) |

| SE           |     | SE           |     | SE           |     |      |
|--------------|-----|--------------|-----|--------------|-----|------|
| 23 x 10 - 12 |     | 23 x 10 - 12 |     | 23 x 10 - 12 |     |      |
| 18 x 7 - 8   |     | 18 x 7 - 8   |     | 18 x 7 - 8   |     |      |
|              | 2X  | 2            | 2X  | 2            | 2X  | 2    |
|              | 938 | 1054         | 938 | 1054         | 938 | 1054 |
|              | 992 |              | 992 |              | 992 |      |

|            |   |   |                                       |
|------------|---|---|---------------------------------------|
| DIMENSIONS | 4.1   | Tilt of mast/fork carriage forward/backward               | α / β (°)                             |
|            | 4.2   | Height, mast lowered                                      | h <sub>1</sub> (mm)                   |
|            | 4.3   | Free lift ¶   | h <sub>2</sub> (mm)                   |
|            | 4.4   | Lift ¶  | h <sub>3</sub> (mm)                   |
|            | 4.5   | Height, mast extended †                                   | h <sub>4</sub> (mm)                   |
|            | 4.7   | Height of overhead guard (cabin) ■                        | h <sub>5</sub> (mm)                   |
|            | 4.7.1   | Cab height (open cab)                                     |                                       |
|            | 4.8   | Seat height relating to SIP/stand height ●                | h <sub>7</sub> (mm)                   |
|            | 4.12  | Coupling height   | h <sub>10</sub> (mm)                  |
|            | 4.19  | Overall length  | l <sub>1</sub> (mm)                   |
|            | 4.20  | Length to face of forks ◆                                 | l <sub>2</sub> (mm)                   |
|            | 4.21  | Overall width *   | b <sub>1</sub> /b <sub>2</sub> (mm)   |
|            | 4.22  | Fork dimensions DIN ISO 2331                              | s/e/l (mm)                            |
|            | 4.23  | Fork carriage ISO 2328, class/type A, B                   |                                       |
|            | 4.24  | Fork carriage width ●                                     | b <sub>2</sub> (mm)                   |
|            | 4.31  | Ground clearance, laden, below mast                       | m <sub>1</sub> (mm)                   |
|            | 4.32  | Ground clearance, centre of wheelbase                     | m <sub>2</sub> (mm)                   |
|            | 4.33  | Load dimension b <sub>12</sub> × l <sub>6</sub> crossways | b <sub>12</sub> × l <sub>6</sub> (mm) |
|            | 4.34  | Aisle width predetermined load dimensions                 | A <sub>st</sub> (mm)                  |
|            | 4.34.1  | Aisle width for pallets 1000 × 1200 wide ◆                | A <sub>st</sub> (mm)                  |
|            | 4.34.2  | Aisle width for pallets 800 × 1200 long ◆                 | A <sub>st</sub> (mm)                  |
|            | 4.35  | Turning radius  | W <sub>t</sub> (mm)                   |
|            | 4.36  | Internal turning radius                                   | b <sub>13</sub> (mm)                  |
| 4.41       | 90° intersecting aisle (With pallet W = 1200mm, L = 1000mm) | (mm)  |                                       |
| 4.42       | Step Height (from ground to running board) ★                | (mm)  |                                       |
| 4.43       | Step Height   | (mm)  |                                       |

|  |             |      |             |      |             |      |
|--|-------------|------|-------------|------|-------------|------|
|  | 5           | 5    | 5           | 5    | 5           | 5    |
|  | 2192        |      | 2192        |      | 2192        |      |
|  | 100         |      | 100         |      | 100         |      |
|  | 3350        |      | 3350        |      | 3350        |      |
|  | 3960        |      | 3960        |      | 3960        |      |
|  | 2193        |      | 2193        |      | 2193        |      |
|  | 2206        |      | 2206        |      | 2206        |      |
|  | 1070        |      | 1070        |      | 1070        |      |
|  | 262         |      | 262         |      | 262         |      |
|  | 3336        |      | 3336        |      | 3480        |      |
|  | 2336        |      | 2336        |      | 2480        |      |
|  | 1173        | 1289 | 1173        | 1289 | 1173        | 1289 |
|  | 40          | 100  | 1000        | 40   | 100         | 1000 |
|  | 2A          |      | 2A          |      | 2A          |      |
|  | 1067        |      | 1067        |      | 1067        |      |
|  | 83          |      | 83          |      | 83          |      |
|  | 137         |      | 137         |      | 137         |      |
|  | 1200 x 1000 |      | 1200 x 1000 |      | 1200 x 1000 |      |
|  | 3613        |      | 3750        |      | 3750        |      |
|  | 3613        |      | 3613        |      | 3750        |      |
|  | 3766        |      | 3766        |      | 3906        |      |
|  | 1931        |      | 1931        |      | 2073        |      |
|  | 173         |      | 173         |      | 189         |      |
|  | 1981        |      | 1981        |      | 2043        |      |
|  | 706 / 810   |      | 706 / 810   |      | 706 / 810   |      |
|  | 475         |      | 475         |      | 475         |      |

|                  |      |  |       |
|------------------|------|--|-------|
| PERFORMANCE DATA | 5.1  | Travel speed, laden / unladen △                          | km/h  |
|                  | 5.2  | Lift speed, laden / unladen                              | m/sec |
|                  | 5.3  | Lowering speed, laden / unladen                          | m/sec |
|                  | 5.5  | Drawbar pull, laden / unladen, 60 minute rating **       | N     |
|                  | 5.6  | Maximum drawbar pull laden / unladen, 5 minute rating*** | N     |
|                  | 5.7  | Gradeability laden / unladen, 30 minute rating **** †    | %     |
|                  | 5.8  | Maximum gradeability laden / unladen *** †               | %     |
|                  | 5.9  | Acceleration time, laden / unladen 10m △                 | sec   |
|                  | 5.10 | Service brake  |       |

|  |           |       |           |       |           |       |
|--|-----------|-------|-----------|-------|-----------|-------|
|  | 21.0      | 21.0  | 21.0      | 21.0  | 21.0      | 21.0  |
|  | 0.52      | 0.72  | 0.49      | 0.72  | 0.49      | 0.72  |
|  | 0.57      | 0.51  | 0.57      | 0.51  | 0.57      | 0.51  |
|  | 6015      | 6235  | 6037      | 6185  | 6037      | 6185  |
|  | 19849     | 20576 | 19927     | 20409 | 19927     | 20409 |
|  | 11        | 16    | 10        | 14    | 10        | 14    |
|  | 28        | 42    | 26        | 38    | 26        | 38    |
|  | 4.04      | 3.71  | 4.04      | 3.71  | 4.04      | 3.71  |
|  | Hydraulic |       | Hydraulic |       | Hydraulic |       |

|                 |     |  |                     |
|-----------------|-----|--|---------------------|
| ELECTRIC ENGINE | 6.1 | Drive motor rating S2 60 min                     | kW                  |
|                 | 6.2 | Lift motor rating at S3 15%                      | kW                  |
|                 | 6.3 | Battery according to DIN 43531/35/36 A, B, C, no |                     |
|                 | 6.4 | Battery voltage/nominal capacity K5              | V/Ah                |
|                 | 6.5 | Battery weight (min/max)                         | kg                  |
|                 | 6.6 | Energy consumption according to VDI cycle △      | kWh/h @Nr of Cycles |

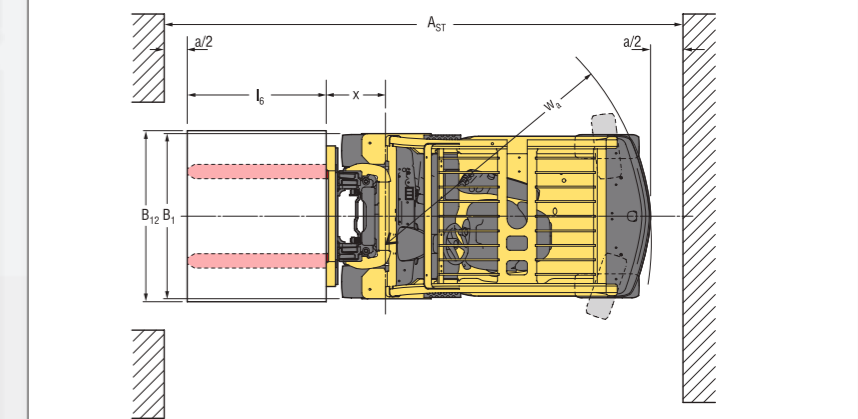
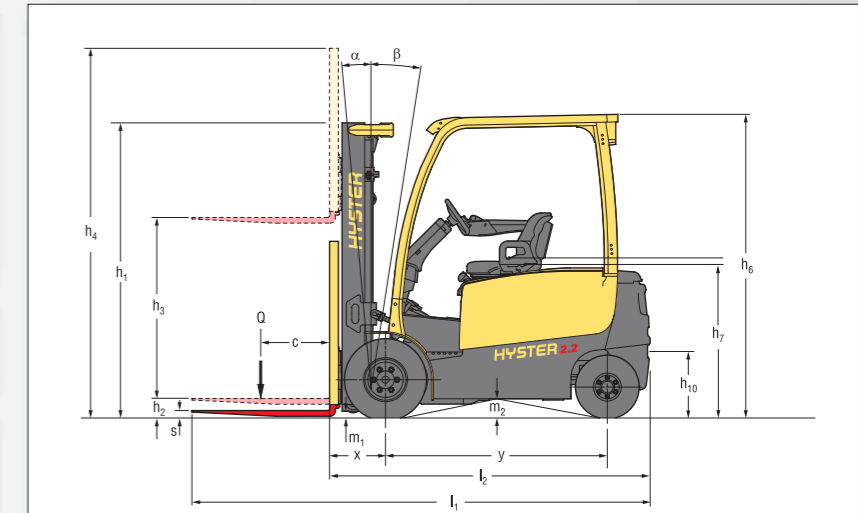
|  |          |      |          |      |          |      |
|--|----------|------|----------|------|----------|------|
|  | 2 x 10.0 |      | 2 x 10.0 |      | 2 x 10.0 |      |
|  | 24.0     |      | 24.0     |      | 24.0     |      |
|  | 43536A   |      | 43536A   |      | 43536A   |      |
|  | 80       | 560  | 80       | 560  | 80       | 700  |
|  | 1480     | 1635 | 1480     | 1635 | 1770     | 1956 |
|  | 7.51     |      | 7.87     |      | 8.86     |      |

|                 |      |   |               |
|-----------------|------|---|---------------|
| ADDITIONAL DATA | 8.1  | Drive control                               | AC electronic |
|                 | 10.1 | Operating pressure for attachments          | bar           |
|                 | 10.2 | Oil volume for attachments ◆                | l/min         |
|                 | 10.3 | Hydraulic oil tank, capacity                | l             |
|                 | 10.7 | Sound pressure level at the driver's seat ☼ | dB(A)         |
|                 | 10.8 | Towing coupling, type DIN                   | Pin           |

|  |               |  |               |  |               |  |
|--|---------------|--|---------------|--|---------------|--|
|  | AC electronic |  | AC electronic |  | AC electronic |  |
|  | 155           |  | 155           |  | 155           |  |
|  | 20-40         |  | 20-40         |  | 20-40         |  |
|  | 29.3          |  | 29.3          |  | 29.3          |  |
|  | 68            |  | 68            |  | 68            |  |
|  | Pin           |  | Pin           |  | Pin           |  |

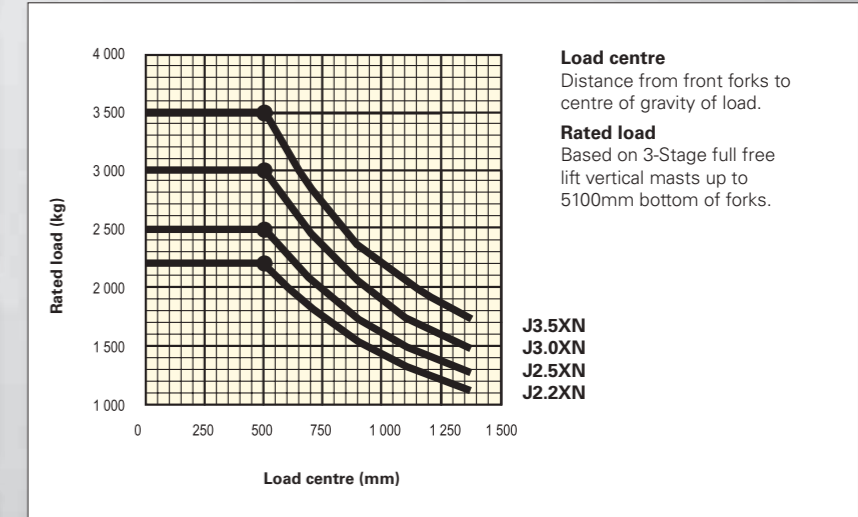
Specification data is based on VDI 2198 \* Standard /Wide tread \*\* 60 minute rating \*\*\* 5 minute rating \*\*\*\* 30 minute rating

# TRUCK DIMENSIONS



● = Centre of gravity of unladen truck      a = Minimum operating clearance  
 A<sub>st</sub> = W<sub>a</sub> + R + a (see lines 4.34.1 & 4.34.2)      (VDI standard = 200 mm  
 BITA recommendation = 300 mm)  
 $R = \sqrt{(l_6 + x)^2 + \left(\frac{b_{12} - b_{13}}{2}\right)^2}$       l<sub>6</sub> = Load length

# RATED CAPACITIES



**EQUIPMENT & WEIGHT:**  
 Weights (line 2.1) are based on the following specifications:  
 Complete truck with 3 390 mm (J2.5-2.5XN) or 3 200 mm (J3.0-3.5XN) 2-stage limited free lift mast, standard carriage and 1000 mm forks with load backrest with extended shift on with DIN battery configuration, standard seat and overhead guard and pneumatic shaped solid drive and steer tyres.



## MAST AND CAPACITY INFORMATION

Values shown are for standard equipment. When using non-standard equipment these values may change. Please contact your Hyster dealer for information.

### VISTA MASTS J2.2-2.50XN

|                                    | Maximum Fork Height<br>(mm) (h <sub>3</sub> + s) ◀ | Back Tilt | Overall Lowered Height<br>(mm) | Overall Extended Height<br>(mm) | Free lift (top of forks) ◊<br>(mm) (h <sub>2</sub> + s) |
|------------------------------------|--|-----------|--------------------------------|---------------------------------|---|
| Vista<br>2-Stage limited free lift | 3390   | 5°        | 2195                           | 3956 ❖                          | 140   |
|                                    | 3790   | 5°        | 2395                           | 4356 ❖                          | 140   |
|                                    | 4330   | 5°        | 2745                           | 4896 ❖                          | 140   |
|                                    | 4830   | 5°        | 2995                           | 5396 ❖                          | 140   |
| Vista<br>2-Stage full free lift    | 3400   | 5°        | 2195                           | 3966 ❖                          | 1625 ○  |
| Vista<br>3-Stage limited free lift | 4950   | 5°        | 2145                           | 5496 →                          | 1595 ✖  |
|                                    | 5550   | 5°        | 2395                           | 6096 →                          | 1845 ✖  |
|                                    | 6000   | 5°        | 2595                           | 6546 →                          | 2045 ✖  |

### VISTA MASTS J3.0-3.5XN

|                                    | Maximum Fork Height<br>(mm) (h <sub>3</sub> + s) ◀ | Back Tilt | Overall Lowered Height<br>(mm) | Overall Extended Height<br>(mm) | Free lift (top of forks) ◊<br>(mm) (h <sub>2</sub> + s) |
|------------------------------------|--|-----------|--------------------------------|---------------------------------|---|
| Vista<br>2-Stage limited free lift | 3200   | 5°        | 2195                           | 3861 ▶                          | 145   |
|                                    | 3600   | 5°        | 2395                           | 4261 ▶                          | 145   |
|                                    | 4100   | 5°        | 2745                           | 4761 ▶                          | 145   |
|                                    | 4600   | 5°        | 2990                           | 5261 ▶                          | 145   |
| Vista<br>2-Stage full free lift    | 3205   | 5°        | 2195                           | 3862 ▶                          | 1535 ▲  |
| Vista<br>3-Stage limited free lift | 4610   | 5°        | 2145                           | 5252 ←                          | 1500 *  |
|                                    | 4910   | 5°        | 2295                           | 5552 ←                          | 1650 *  |
|                                    | 5210   | 5°        | 2395                           | 5852 ←                          | 1750 *  |
|                                    | 5810   | 5°        | 2645                           | 6452 ←                          | 2000 *  |

### J2.2-3.5XN - capacity chart in kg @ 500 mm load centres

|  | Pneumatic Shaped Solid Tyres                          |                              |                              |                              |                              |                              |                              |   |                              |                              |                              |                              |
|--|---|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|---|------------------------------|------------------------------|------------------------------|------------------------------|
|  | Maximum<br>fork height ◀<br>(mm) (h <sub>3</sub> + s) | WITHOUT sideshift            |                              |                              | WITH integral sideshift      |                              |                              | Maximum<br>fork height ◀<br>(mm) (h <sub>3</sub> + s) | WITHOUT sideshift            |                              | WITH integral sideshift      |                              |
|  |   | J2.2XN<br>717 □              | J2.5XN<br>717 □              | J2.5XN<br>861 □              | J2.2XN<br>717 □              | J2.5XN<br>717 □              | J2.5XN<br>861 □              |   | J3.0XN<br>861 □              | J3.5XN<br>861 □              | J3.0XN<br>861 □              | J3.5XN<br>861 □              |
| Vista<br>2-Stage<br>limited<br>free lift | 3390<br>3790<br>4330<br>4830                          | 2200<br>2200<br>2500<br>2480 | 2500<br>2500<br>2500<br>2480 | 2500<br>2200<br>2200<br>2190 | 2490<br>2490<br>2470<br>2440 | 2500<br>2500<br>2500<br>2500 | 3200<br>3600<br>4100<br>4600 | 3000<br>3000<br>3000<br>2920                          | 3500<br>3500<br>3500<br>3410 | 2960<br>2950<br>2940<br>2850 | 3440<br>3430<br>3420<br>3330 |                              |
| Vista<br>2-Stage<br>full<br>free lift    | 3400  | 2200                         | 2500                         | 2500                         | 2200                         | 2500                         | 3205                         | 3000  | 3500                         | 2960                         | 3440                         |                              |
| Vista<br>3-Stage<br>full<br>free lift    | 4950<br>5550<br>6000                                  | 2200<br>2110<br>2020         | 2440<br>2310<br>2210         | 2500<br>2410<br>2310         | 2180<br>2070<br>1980         | 2400<br>2250<br>2150         | 2500<br>2380<br>2290         | 4610<br>4910<br>5210<br>5810                          | 2970<br>2900<br>2840<br>2690 | 3460<br>3400<br>3320<br>3170 | 2900<br>2830<br>2760<br>2600 | 3370<br>3300<br>3220<br>3060 |

### J2.2-3.5XN - capacity chart in kg @ 600 mm load centres

|  | Pneumatic Shaped Solid Tyres                          |                              |                              |                              |                              |                              |                              |   |                              |                              |                              |                              |
|--|---|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|---|------------------------------|------------------------------|------------------------------|------------------------------|
|  | Maximum<br>fork height ◀<br>(mm) (h <sub>3</sub> + s) | WITHOUT sideshift            |                              |                              | WITH integral sideshift      |                              |                              | Maximum<br>fork height ◀<br>(mm) (h <sub>3</sub> + s) | WITHOUT sideshift            |                              | WITH integral sideshift      |                              |
|  |   | J2.2XN<br>717 □              | J2.5XN<br>717 □              | J2.5XN<br>861 □              | J2.2XN<br>717 □              | J2.5XN<br>717 □              | J2.5XN<br>861 □              |   | J3.0XN<br>861 □              | J3.5XN<br>861 □              | J3.0XN<br>861 □              | J3.5XN<br>861 □              |
| Vista<br>2-Stage<br>limited<br>free lift | 3390<br>3790<br>4330<br>4830                          | 2000<br>2000<br>2000<br>2000 | 2270<br>2270<br>2270<br>2250 | 2270<br>2270<br>2270<br>2270 | 2000<br>2000<br>1990<br>1980 | 2250<br>2250<br>2240<br>2210 | 2270<br>2270<br>2270<br>2270 | 3200<br>3600<br>4100<br>4600                          | 2720<br>2720<br>2720<br>2650 | 3130<br>3130<br>3130<br>3090 | 2680<br>2670<br>2660<br>2580 | 3110<br>3100<br>3090<br>3010 |
| Vista<br>2-Stage<br>full<br>free lift    | 3400  | 2000                         | 2270                         | 2270                         | 2000                         | 2260                         | 3205                         | 2720  | 3130                         | 2680                         | 3110                         |                              |
| Vista<br>3-Stage<br>full<br>free lift    | 4950<br>5550<br>6000                                  | 2000<br>1920<br>1830         | 2210<br>2100<br>2000         | 2270<br>2190<br>2100         | 1970<br>1870<br>1790         | 2170<br>2030<br>1940         | 2250<br>2150<br>2070         | 4610<br>4910<br>5210<br>5810                          | 2690<br>2630<br>2570<br>2440 | 3130<br>3080<br>3010<br>2870 | 2620<br>2560<br>2500<br>2350 | 3050<br>2980<br>2920<br>2760 |

**NOTE:** To calculate truck capacities with alternative truck specifications to the ones shown in the above tables, please consult your Hyster dealer. The rated capacities shown are for masts in a vertical position on trucks equipped with standard or sideshift carriage and nominal length forks. Masts above the maximum fork heights shown in the mast table are classified as high lift and, depending on the tyre/tread configuration may require reduced capacity, restricted back tilt or wide tread.

## PRODUCT FEATURES

The Hyster J2.2-3.5XN series is available in 2 configurations – Advance & Advance+.

With enhanced performance characteristics, the Advance+ configuration has been designed to operate in intensive, high productivity applications with long runs and high lifts as an effective alternative to an engine-powered truck.

For example, in comparison to the Advance configuration, top speed (laden) has been increased to up to 21 km/h with faster acceleration and lifting speeds have been increased by 27%.

### DEPENDABILITY

- Redesigned mast incorporates new chain placement and hose routings that maximise fork visibility for the driver and reliable, high performance lifting.
- AC motor technology on traction and hoist, with built in thermal management system, allows the truck to work reliably over long runs and in demanding work cycles, reducing downtime significantly.
- The electrical system features a CANbus communications network and Hall Effect sensors for increased reliability.
- IP54 enclosed traction motors and IP65 protection of controls and all electrical connections prevents ingress of water and dust particles, reducing the probability of truck downtime.

### PRODUCTIVITY

- Dual 10 kW AC front wheel traction motors deliver smooth acceleration, fast travel and rapid direction changes. This is combined with regenerative braking and a powerful hoist motor to deliver efficient load handling in the toughest of applications.
- Designed to offer excellent manoeuvrability in working aisles, speeding up throughput, the truck features a slim counterweight, Zero Turn Radius (ZTR) steer axle and dual drive motors.
- The maintenance-free mechanical Hyster Stability Mechanism (HSM) reduces truck lean when travelling over obstacles, increasing driver confidence and productivity.
- Extended battery shift life with choice of battery configurations and new horizontal battery extraction options fitted with fork pockets and removable side panels, manages energy efficiently.

### ERGONOMICS

- The ergonomically designed operator compartment provides a comfortable and highly productive environment for the driver.
- The fully adjustable tilt steering column with telescopic adjustment, memory tilt and synchronised steering options allows the operator to get on and off the truck quickly and easily throughout the shift, ensuring maximum comfort and increased productivity.

- The TouchPoint™ mini-lever module armrest with built in hydraulic controls, integrated directional control, emergency off switch and horn offers the ultimate in comfort and control. Alternatively, seat-side manual levers also provide handling ease.
- A 'Heads-up' display keeps the driver's field of vision clear but provides him with 'at a glance' information on truck operating conditions or performance settings.
- A choice of weather protection options promotes a comfortable working environment, whatever the conditions.

### LOW COST OF OWNERSHIP

- The Vehicle System Manager (VSM) allows adjustment of truck performance parameters and monitors key functions, leading to application matched performance and minimum downtime.
- Durable, quality components, including virtually maintenance free oil immersed brakes and brushless AC motors offer long term reliability and lower maintenance costs.
- In-built thermal protection on traction motors and advanced cooling system protect truck components, leading to reduced maintenance costs.
- New horizontal battery extraction options fitted with fork pockets and removable side panels providing easy battery extraction. Hyster offers a battery change system to suit the infrastructure available at the application site.

### SERVICEABILITY

- Standard 1 000 hour service interval.
- Access to diagnostic information via dash display with or plug-in port and laptop. This functionality saves technician time when setting up multiple items.
- Easily removable two-piece floor plate provides easy access to power contactor, traction controller fuses and relays.
- Motor, pump, controller and oil tank are located in the counterweight and are easily accessible, requiring only 2 thumb screws to be removed.
- LED master, indicator, brake and back-up lights are designed to last the lifetime of the truck.

# STRONG PARTNERS. TOUGH TRUCKS.™

## FOR DEMANDING OPERATIONS, EVERYWHERE.

Hyster supplies a complete range of warehouse equipment, IC and electric counterbalanced trucks, container handlers and reach stackers. Hyster is committed to being much more than a lift truck supplier.

Our aim is to offer a complete partnership capable of responding to the full spectrum of material handling issues: Whether you need professional consultancy on your fleet management, fully qualified service support, or reliable parts supply, you can depend on Hyster.

Our network of highly trained dealers provides expert, responsive local support. They can offer cost-effective finance packages and introduce effectively managed maintenance programmes to ensure that you get the best possible value. Our business is dealing with your material handling needs so you can focus on the success of your business today and in the future.



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