
# K1.0 SERIES

## MEDIUM AND HIGH LEVEL ORDER PICKER

Product Technical Guide

# K1.0L | K1.0L SL SPECIFICATIONS

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GENERAL | 1-1 | Manufacturer | | | HYSTER | | | HYSTER | | | HYSTER | | | HYSTER | | |
| | 1-2 | Model designation | | | K1.0L AC 0.7 FC | | | K1.0L AC 1.4 FC | | | K1.0L AC 1.2 | | | K1.0L AC 1.2 SL | | |
| | 1-3 | Drive | | | Battery | | | Battery | | | Battery | | | Battery | | |
| | 1-4 | Operator type | | | Order-picker | | | Order-picker | | | Order-picker | | | Order-picker | | |
| | 1-5 | Rated capacity / rated load | $Q_1$ | t | 1 | | | 1 | | | 1 | | | 1 | | |
| | 1-6 | Load centre distance | c | mm | 600 | | | 600 | | | 600 | | | 600 | | |
| | 1-8 | Load distance, centre of drive axle to fork[1] | x | mm | 144 | | | 96 | | | 166 | | | | | |
| | 1-9 | Wheelbase | y | mm | 1390 | | | 1390 | | | 1390 | | | | | |
| WEIGHT | 2-1 | Service weight [9] [10] | | kg | 1550 | | | 1750 | | | 1600 | | | 1700 | | |
| | 2-2 | Axle loading with load, front / rear | | kg | 350 | 2200 | | 350 | 2400 | | 350 | 2250 | | 350 | 2350 | |
| | 2-3 | Axle loading without load, front / rear | | kg | 900 | 650 | | 950 | 800 | | 900 | 700 | | 950 | 750 | |
| WHEELS | 3-1 | Tyre type | | | NDIIThane | | | NDIIThane | | | NDIIThane | | | NDIIThane | | |
| | 3-2 | Tyre size, front | ø | mm x mm | 254 x 125 | | | 254 x 125 | | | 254 x 125 | | | 254 x 125 | | |
| | 3-3 | Tyre size, rear | ø | mm x mm | 125 x 94 | | | 125 x 94 | | | 125 x 94 | | | 125 x 94 | | |
| | 3-5 | Wheels, number front / rear (x = driven wheels) | | | 1x | | | 2 | | | 1x | 2 | | 1x | 2 | |
| | 3-7 | Tread, rear | $b_{11}$ | mm | 660 | | | 660 | | | 660 | | | 660 | | |
| DIMENSIONS | 4-2 | Height of mast, lowered | $h_1$ | mm | 1074 | | | 1794 | | | 1654 | | | 1654 | | |
| | 4-4 | Lift | $h_3$ | mm | 690 | | | 1410 | | | 1010 | | | 1010 | | |
| | 4-5 | Height of mast, extended[2] | $h_4$ | mm | - | | | | | | 2664 | | | 2664 | | |
| | 4-7 | Over head guard height (cabin)[2] | $h_6$ | mm | 1957 (11) | | | | | | - | | | - | | |
| | 4-8 | Seat height relating to SIP/stand height | $h_7$ | mm | 180 | | | | | | 180 | | | 180 | | |
| | 4-11 | Additional lift | $h_9$ | mm | - | | | | | | - | | | 690 | | |
| | 4-14 | Stand height, elevated | $h_{12}$ | mm | - | | | | | | 1190 | | | 1190 | | |
| | 4-15 | Height, lowered | $h_{13}$ | mm | 80 (3) | | | | | | 80 | | | 80 (3) | | |
| | 4-19 | Overall length[1] [8] | $l_1$ | mm | 2907 | | | | | | 2874 | | | 2929 | | |
| | 4-20 | Length to face of forks[1] [8] | $l_2$ | mm | 1767 | | | | | | 1719 | | | 1789 | | |
| | 4-21 | Overall width[4] | $b_1/b_2$ | mm | 796 | | | | | | 780 | | | 780 | | |
| | 4.-22 | Fork dimensions DIN ISO 2331[5] | s/e/l | mm | 60 | 180 | 1140 | | | | 60 | 180 | 1155 | 60 | 180 | 1140 |
| | 4-23 | Fork carriage DIN 15173, Class/form A,B | l l A | | No | | | | | | No | | | No | | |
| | 4-24 | Fork carriage width[6] | $b_3$ | mm | 700 | | | | | | - | | | 700 | | |
| | 4-25 | Distance between fork-arms[7] | $b_5$ | mm | 560 | | | | | | 526 | | | 560 | | |
| | 4-31 | Ground clearance under mast, with load | $m_1$ | mm | 135 | | | | | | 135 | | | 135 | | |
| | 4-32 | Ground clearance, centre of wheelbase | $m_2$ | mm | 30 | | | | | | 30 | | | 30 | | |
| | 4-33 | Load dimension b12 × l6 crossways | $b_{12} \times l_6$ | mm | 800 x 1200 | | | | | | 800 x 1200 | | | 800 x 1200 | | |
| | 4-34-1 | Transfer aisle width for pallets 1000mm x 1200mm lengthwise[17] | $A_{st}$ | mm | 3256 | | | | | | 3248 | | | 3277 | | |
| | 4-34-2 | Transfer aisle width for pallets 800mm x 1200mm lengthwise[17] | $A_{st}$ | mm | 3224 | | | | | | 3217 | | | 3245 | | |
| | 4-35 | Turning radius | $W_a$ | mm | 1622 | | | | | | 1622 | | | 1622 | | |
| PERFORMANCE | 5-1 | Travel speed, laden/unladen | | m/h | 10.1 | | | 10.5 | | | 10.1 | 10.5 | | 10.1 | 10.5 | |
| | 5-2 | Lift speed, laden/unladen (CAB) | | m/h | - | | | | | | 0.17 | 0.25 | | 0.11 | 0.21 | |
| | 5-2 | Lift speed, laden/unladen (SL) | | m/h | 0.09 | | | 0.18 | | | - | - | | 0.09 | 0.18 | |
| | 5-3 | Lowering speed, laden/unladen (CAB) | | m/s | - | | | | | | 0.29 | 0.25 | | 0.26 | 0.14 | |
| | 5-3 | Lowering speed, laden/unladen (SL) | | m/s | 0.20 | | | 0.07 | | | - | - | | 0,20 | 0.07 | |
| | 5-7 | Gradeability, laden/unladen | | % | 5.0 | | | 8.0 | | | 5.0 | 8.0 | | 5.0 | 8.0 | |
| | 5-8 | Max. gradeability, laden/unladen | | % | 5.0 | | | 8.0 | | | 5.0 | 8.0 | | 5.0 | 8.0 | |
| | 5-9 | Acceleration time, laden/unladen | | s | 5.5 | | | 7.5 | | | 5.5 | 7.5 | | 5.5 | 7.5 | |
| | 5-10 | Service brake | | | Electromagnetic | | | | | | Electromagnetic | | | Electromagnetic | | |
| ELECTRIC ENGINE | 6-1 | Drive motor, S2 60 minute rating | | kW | 4 | | | | | | 4 | | | 4 | | |
| | 6-2 | Lifting motor, S3 15% rating | | kW | 2 | | | | | | 3 | | | 3 | | |
| | 6-3 | Battery according to DIN 43531/35/36 A,B,C, no | | | no | | | | | | no | | | no | | |
| | 6-4 | Battery voltage/nominal capacity K5 | | V/Ah | 24 | | | 500 | | | 24 | 620[10] | | 24 | 620[10] | |
| | 6-5 | Battery weight[9] | | kg | 370 | | | | | | 485 | | | 485 | | |
| | 6-6 | Energy consumption according to VDI cycle | | kWh/h | 2.28 | | | 2.35 | | | 2.30 | | | 2.38 | | |
| | 8-1 | Type of drive unit | | | AC-Controller | | | | | | AC-Controller | | | AC-Controller | | |
| | 10-7 | Sound pressure level at the driver's seat | | dB (A) | < 70 | | | | | | < 70 | | | < 70 | | |

**NOTES:**

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. Inform your dealer of the nature and condition of the intended operating area when purchasing your Hyster® truck.

(1) Note for SL model:
With Fem like carriage and forks 80 x 30 mm + 20 mm
With Fem like carriage and forks 100 x 35 mm + 25 mm

(2) Note for models with over head guard: with lift interrupt mounted on OHG $h_6$ + 80 mm

(3) Note for SL model:
With Fem like carriage and forks 80 x 30 mm and 100 x 35 mm $h_{13}$ = 40 mm

(4) Note for SL model: with Fem like carriage $b_2$ = 800 mm

(5) Note for SL model:
Available also Fem like carriage and fork size 80 x 30 mm (600 Kg @ 600 mm, 800 Kg @ 500 mm, 1000 Kg @ 400 mm) and 100 x 35 mm with 1000 Kg @ 600 mm

(6) Note for SL model: with Fem like carriage $b_3$ = 800 mm

(7) Note for SL model:
With Fem like carriage and forks 80 x 30 mm b5= 753 mm
With Fem like carriage and forks 100 x 35 mm b5= 773 mm

(8) With wire guidance l1 and l2 + 40mm

(9) These values may vary of +/- 5%

(10) Available battery 560Ah. With battery 560Ah service weight -9kg

(11) Model without cabin; the value is referred to the overall height, without load backrest

(12) Models name referred to $h_{12}$

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

Specification data is based on VDI 2198.

# K1.0L SL | K1.0L WP SPECIFICATIONS

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GENERAL | 1-1 | Manufacturer | | | HYSTER | | | HYSTER | | | HYSTER | | | HYSTER | | |
| | 1-2 | Model designation | | | K1.0L AC 1.7 SL[13] | | | K1.0L AC 1.7 WP[14] | | | K1.0L AC 4.8 SL[15] | | | K1.0L AC 4.8 WP[16] | | |
| | 1-3 | Drive | | | Battery | | | Battery | | | Battery | | | Battery | | |
| | 1-4 | Operator type | | | Order-picker | | | Order-picker | | | Order-picker | | | Order-picker | | |
| | 1-5 | Rated capacity / rated load | $Q_1$ | t | 1 | | | 1 | | | 1 | | | 1 | | |
| | 1-6 | Load centre distance | c | mm | 600 | | | 600 | | | 600 | | | 600 | | |
| | 1-8 | Load distance, centre of drive axle to fork[1] | x | mm | 166 | | | 166 | | | 157 | | | 166 | | |
| | 1-9 | Wheelbase | y | mm | 1390 | | | 1390 | | | 1510 | | | 1510 | | |
| WEIGHT | 2-1 | Service weight[9] [10] | | kg | 1800 | | | 2000 | | | 2736 | | | 2875 | | |
| | 2-2 | Axle loading with load, front / rear | | kg | 350 | 2450 | | 350 | 2650 | | 1034 | 2702 | | 1223 | 2652 | |
| | 2-3 | Axle loading without load, front / rear | | kg | 950 | 850 | | 950 | 1050 | | 1523 | 1213 | | 1755 | 1120 | |
| WHEELS | 3-1 | Tyre type | | | NDIIThane | | | NDIIThane | | | NDIIThane | | | NDIIThane | | |
| | 3-2 | Tyre size, front | ø | mm x mm | 254 x 125 | | | 254 x 125 | | | 254 x 125 | | | 254 x 125 | | |
| | 3-3 | Tyre size, rear | ø | mm x mm | 125 x 94 | | | 125 x 94 | | | 125 x 94 | | | 125 x 94 | | |
| | 3-5 | Wheels, number front / rear (x = driven wheels) | | | 1x | 2 | | 1x | 2 | | 1x | 2 | | 1x | 2 | |
| | 3-7 | Tread, rear | $b_{11}$ | mm | 660 | | | 660 | | | 830 | | | 830 | | |
| DIMENSIONS | 4-2 | Height of mast, lowered | $h_1$ | mm | 2270 | | | 2270 | | | 3075 | | | 3075 | | |
| | 4-4 | Lift | $h_3$ | mm | 1530 | | | 1530 | | | 4628 | | | 4628 | | |
| | 4-5 | Height of mast, extended[2] | $h_4$ | mm | 3800 | | | 3800 | | | 6898 | | | 6898 | | |
| | 4-7 | Over head guard height (cabin)[2] | $h_6$ | mm | 2270 | | | 2270 | | | 2270 | | | 2270 | | |
| | 4-8 | Seat height relating to SIP/stand height | $h_7$ | mm | 180 | | | 180 | | | 180 | | | 180 | | |
| | 4-11 | Additional lift | $h_9$ | mm | 690 | | | - | | | 690 | | | - | | |
| | 4-14 | Stand height, elevated | $h_{12}$ | mm | 1710[12] | | | 1710[12] | | | 4808[12] | | | 4808[12] | | |
| | 4-15 | Height, lowered | $h_{13}$ | mm | 80[3] | | | 80 | | | 80[3] | | | 80 | | |
| | 4-19 | Overall length[1] [8] | $l_1$ | mm | 2929 | | | 3099 | | | 3040 | | | 3220 | | |
| | 4-20 | Length to face of forks[1] [8] | $l_2$ | mm | 1789 | | | 1789 | | | 1900 | | | 1910 | | |
| | 4-21 | Overall width[4] | $b_1/b_2$ | mm | 780 | | | 780 | 996 | | 950 | | | 950 | 996 | |
| | 4-22 | Fork dimensions DIN ISO 2331[5] | s/e/l | mm | 60 | 180 | 1140 | 60 | 180 | 1140 | 60 | 180 | 1140 | 60 | 180 | 1140 |
| | 4-23 | Fork carriage DIN 15173, Class/form A,B | II A | | No | | | No | | | No | | | No | | |
| | 4-24 | Fork carriage width[6] | $b_3$ | mm | 700 | | | 880 | | | 700 | | | 880 | | |
| | 4-25 | Distance between fork-arms[7] | $b_5$ | mm | 560 | | | 560 | | | 560 | | | 560 | | |
| | 4-31 | Ground clearance under mast, with load | $m_1$ | mm | 135 | | | 135 | | | 135 | | | 135 | | |
| | 4-32 | Ground clearance, centre of wheelbase | $m_2$ | mm | 30 | | | 30 | | | 30 | | | 30 | | |
| | 4-33 | Load dimension $b_{12} \times l_6$ crossways | $b_{12} \times l_6$ | mm | 800 x 1200 | | | 800 x 1200 | | | 800 x 1200 | | | 800 x 1200 | | |
| | 4-34-1 | Transfer aisle width for pallets 1000mm x 1200mm lengthwise[17] | $A_{st}$ | mm | 3277 | | | - | | | 3397 | | | - | | |
| | 4-34-2 | Transfer aisle width for pallets 800mm x 1200mm lengthwise[17] | $A_{st}$ | mm | 3245 | | | 3377 | | | 3365 | | | 3497 | | |
| | 4-35 | Turning radius | $W_a$ | mm | 1622 | | | 1622 | | | 1742 | | | 1742 | | |
| PERFORMANCE | 5-1 | Travel speed, laden/unladen | | m/h | 10.1 | 10.5 | | 10.1 | 10.5 | | 8.6 | 9.5 | | 8.6 | 9.5 | |
| | 5-2 | Lift speed, laden/unladen (CAB) | | m/h | 0.11 | 0.21 | | 0.15 | 0.20 | | 0.15 | 0.20 | | 0.15 | 0.20 | |
| | 5-2 | Lift speed, laden/unladen (SL) | | m/h | 0.09 | 0.18 | | - | - | | 0.09 | 0.18 | | - | - | |
| | 5-3 | Lowering speed, laden/unladen (CAB) | | m/s | 0.26 | 0.14 | | 0.20 | 0.24 | | 0.27 | 0.23 | | 0.28 | 0.24 | |
| | 5-3 | Lowering speed, laden/unladen (SL) | | m/s | 0.20 | 0.07 | | - | - | | 0.20 | 0.07 | | - | - | |
| | 5-7 | Gradeability, laden/unladen | | % | 5.0 | 8.0 | | 5.0 | 8.0 | | 5.0 | 8.0 | | 5.0 | 8.0 | |
| | 5-8 | Max. gradeability, laden/unladen | | % | 5.0 | 8.0 | | 5.0 | 8.0 | | 5.0 | 8.0 | | 5.0 | 8.0 | |
| | 5-9 | Acceleration time, laden/unladen | | s | 5.5 | 7.5 | | 5.5 | 7.5 | | 5.5 | 7.5 | | 5.5 | 7.5 | |
| | 5-10 | Service brake | | | Electromagnetic | | | Electromagnetic | | | Electromagnetic | | | Electromagnetic | | |
| ELECTRIC ENGINE | 6-1 | Drive motor, S2 60 minute rating | | kW | 4 | | | 4 | | | 4 | | | 4 | | |
| | 6-2 | Lifting motor, S3 15% rating | | kW | 3 | | | 3 | | | 3 | | | 3 | | |
| | 6-3 | Battery according to DIN 43531/35/36 A,B,C, no | | | no | | | no | | | no | | | no | | |
| | 6-4 | Battery voltage/nominal capacity K5 | | V/Ah | 24 | 620[10] | | 24 | 620[10] | | 24 | 620[10] | | 24 | 620[10] | |
| | 6-5 | Battery weight[9] | | kg | 485 | | | 485 | | | 485 | | | 485 | | |
| | 6-6 | Energy consumption according to VDI cycle | | kWh/h | 2.40 | | | 2.40 | | | 2.86 | | | 2.90 | | |
| | 8-1 | Type of drive unit | | | AC-Controller | | | AC-Controller | | | AC-Controller | | | AC-Controller | | |
| | 10-7 | Sound pressure level at the driver's seat | | dB (A) | < 70 | | | < 70 | | | < 70 | | | < 70 | | |

**NOTES:**

(13) Available models K1.0L AC 1.9 SL / M010E AC 19 SL

(14) Available models K1.0L AC 1.9 WP / M010E AC 19 WP

(15) Available models K1.0L AC 3.2-3.6-4.0-4.4 SL / M010E AC 32-36-40-44 SL

(16) Available models K1.0L AC 3.2-3.6-4.0-4.4 WP / M010E AC 32-36-40-44 WP

(17) Transfer aisle widths (lines 4.34.1 & 4.34.2) are 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.

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

**NOTICE:**

Care must be exercised when handling elevated loads. Operators must be trained and must read, understand and follow the instructions contained in the Operating Manual.

All values are nominal values and they are subject to tolerances. For further information, please contact the manufacturer.

Hyster products are subject to change without notice. Lift trucks illustrated may feature optional equipment. Values may vary with alternative configurations.

Specification data is based on VDI 2198.

# MAST INFORMATION – K1.0L, K1.0L SL, K1.0L WP

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

### MASTS – 1 STAGE LFL

| | LIFT HEIGHT $H_3$ MM | FREE LIFT $H_2$ MM [1] [2] | HEIGHT, MAST LOWERED $H_1$ MM | HEIGHT, MAST EXTENDED $H_4$ MM | HEIGHT, OVERHEAD GUARD $H_{12}$ MM | WEIGHT [3] |
|---|---|---|---|---|---|---|
| 1-STAGE LIMITED FREE LIFT | 1010 | 1780 | 1654 | 2664 | 1190 | - |
| | 1530 | 2300 | 2270 | 3800 | 1710 | - |
| | 1690 | 2460 | 2270 | 3960 | 1870 | - |

### MASTS – 2 STAGE LFL SL

| | LIFT HEIGHT $H_3$ MM | FREE LIFT $H_2$ MM | HEIGHT, MAST LOWERED $H_1$ MM [1] [2] | HEIGHT, MAST EXTENDED $H_4$ MM | HEIGHT, OVERHEAD GUARD $H_{12}$ MM | WEIGHT [3] |
|---|---|---|---|---|---|---|
| 2-STAGE LIMITED FREE LIFT | 3028 | 3798 | 2275 | 5298 | 3208 | - |
| | 3428 | 4198 | 2475 | 5698 | 3608 | - |
| | 3828 | 4598 | 2675 | 6098 | 4008 | - |
| | 4228 | 4998 | 2875 | 6498 | 4408 | - |
| | 4628 | 5398 | 3075 | 6898 | 4808 | - |

(1) For models WP -690mm

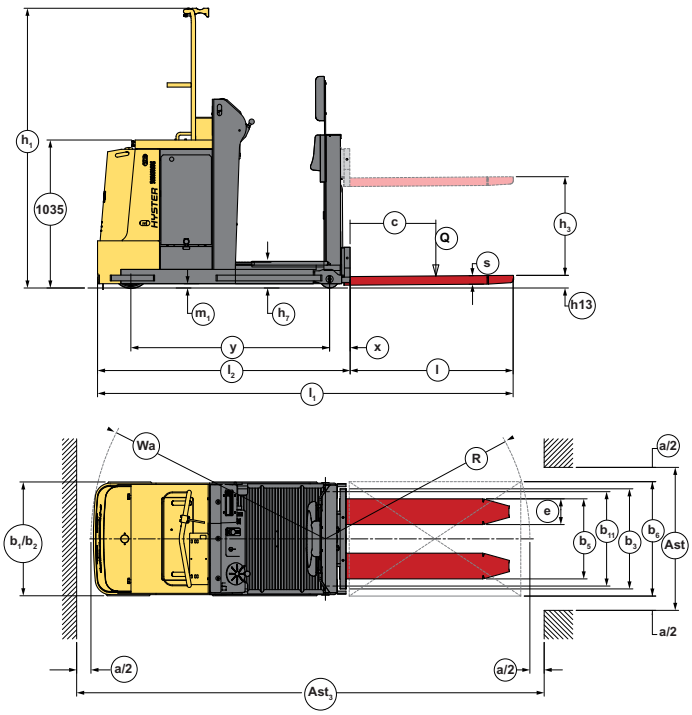
(2) Note for SL model: with Fem like carriage and forks 80 x 30 mm and 100 x 35 mm H -40 mm

(3) All weights are: mast structures (weldment, cylinders, chain, pulley) + oil EXCLUDED: forks, accessories

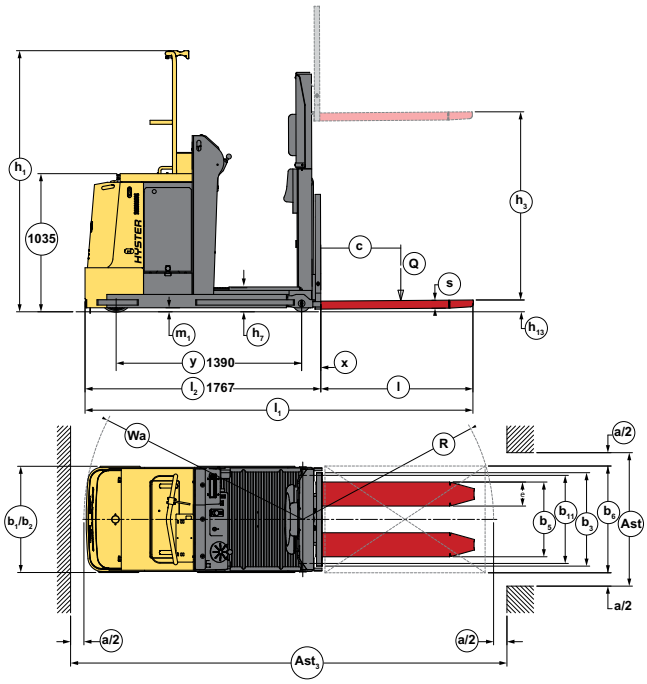
All values are nominal values and they are subject to tolerances. For further information, please contact the manufacturer. Hyster products might be subject to change without notice. Lift trucks illustrated may feature optional equipment. Values may vary with alternative configurations.

# TRUCK DIMENSIONS

### K1.0L AC 0.7 FC

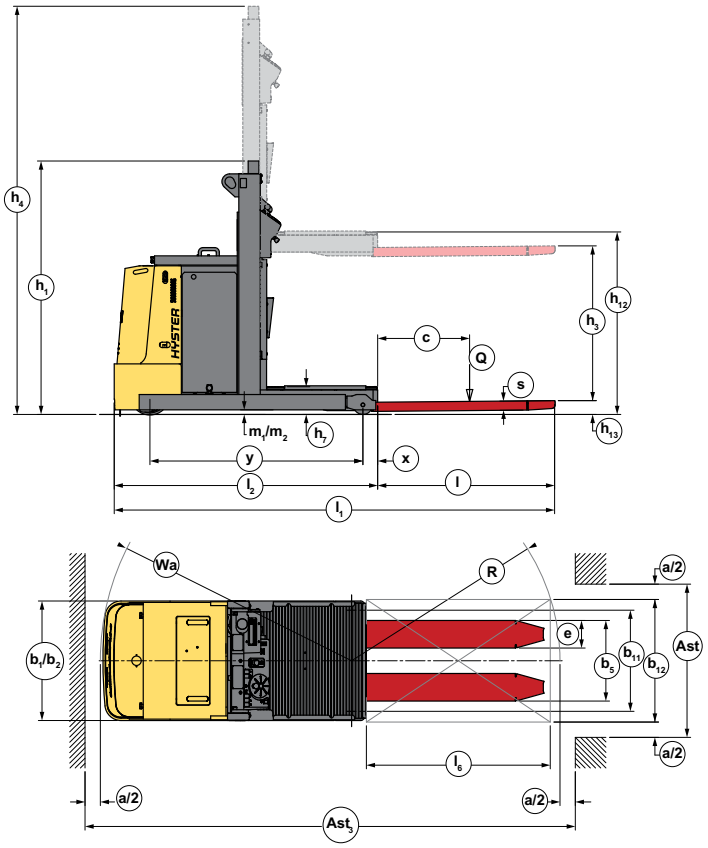



### K1.0L AC 1.4 FC

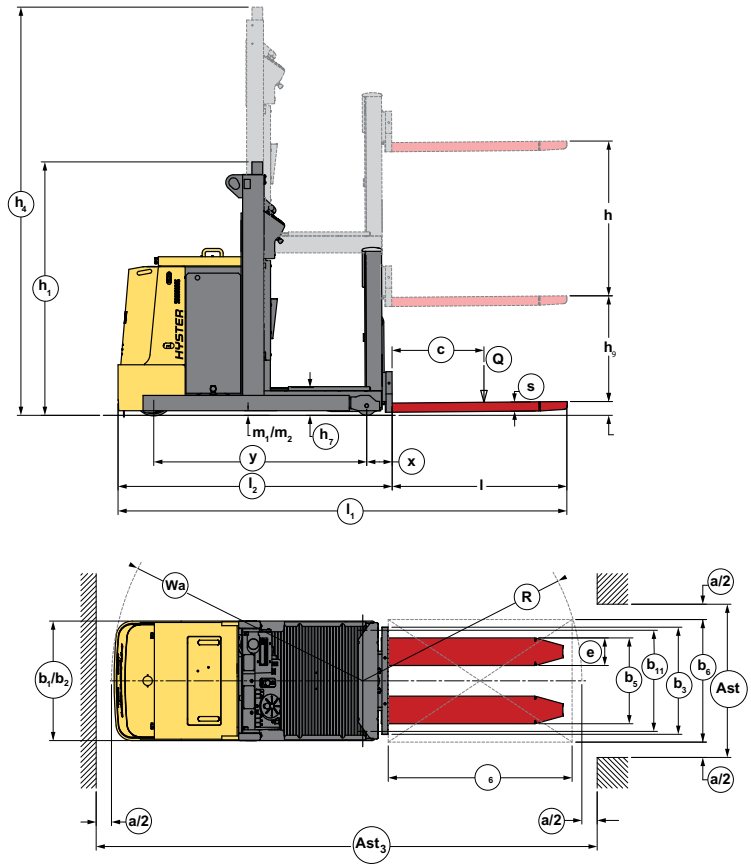


# TRUCK DIMENSIONS

## K1.0L AC 1.2

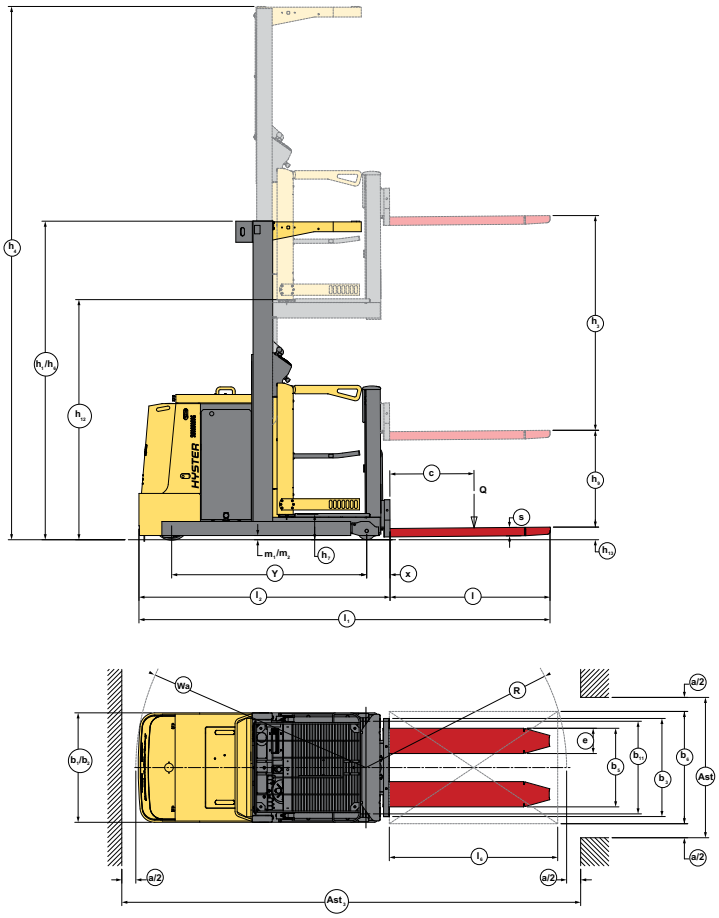



## K1.0L AC 1.2 SL

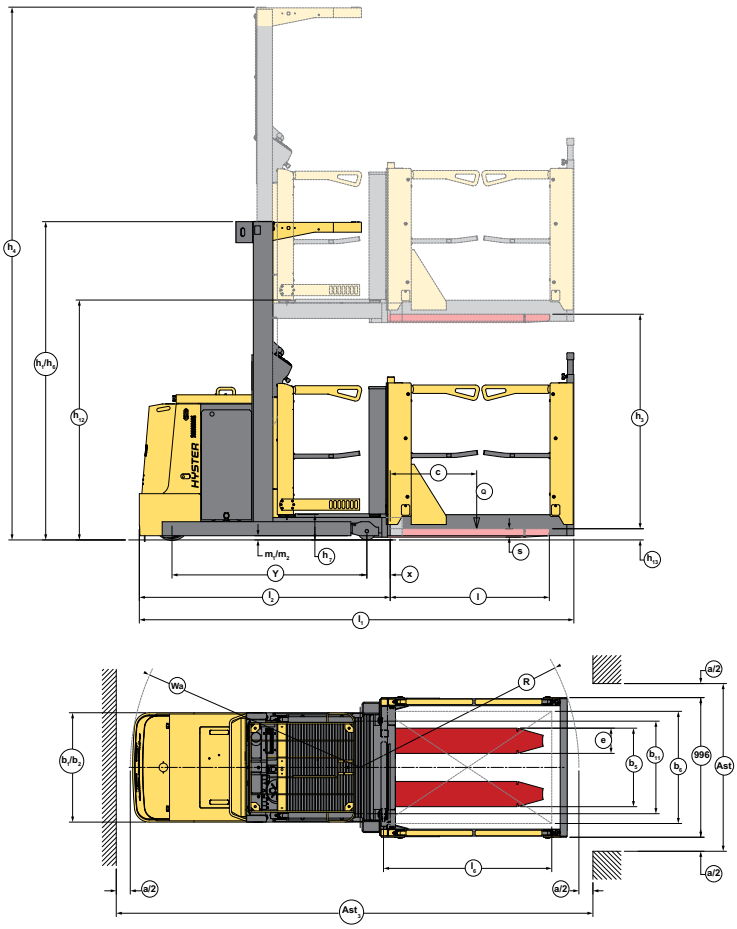


# TRUCK DIMENSIONS

## K1.0L AC 1.9 SL

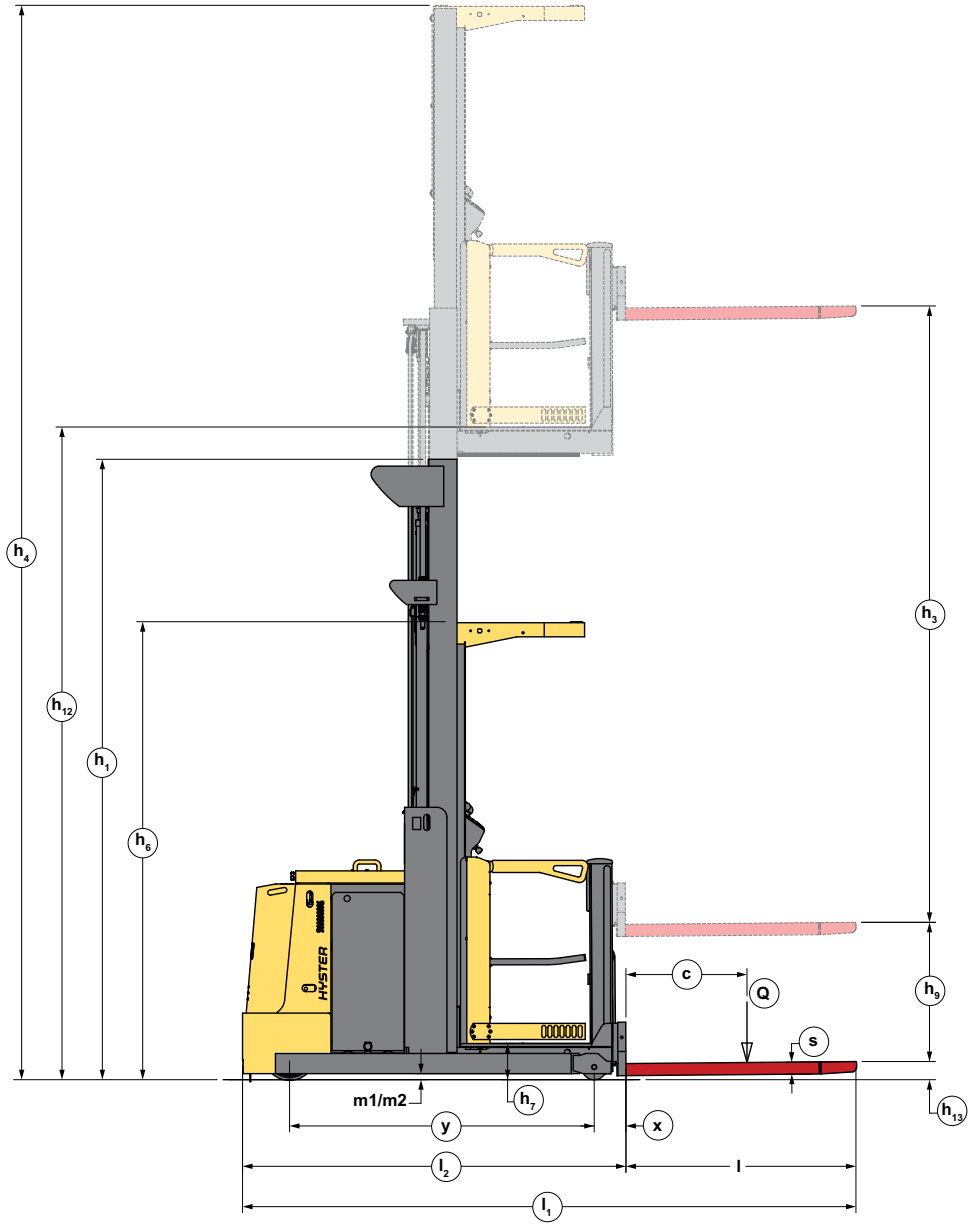


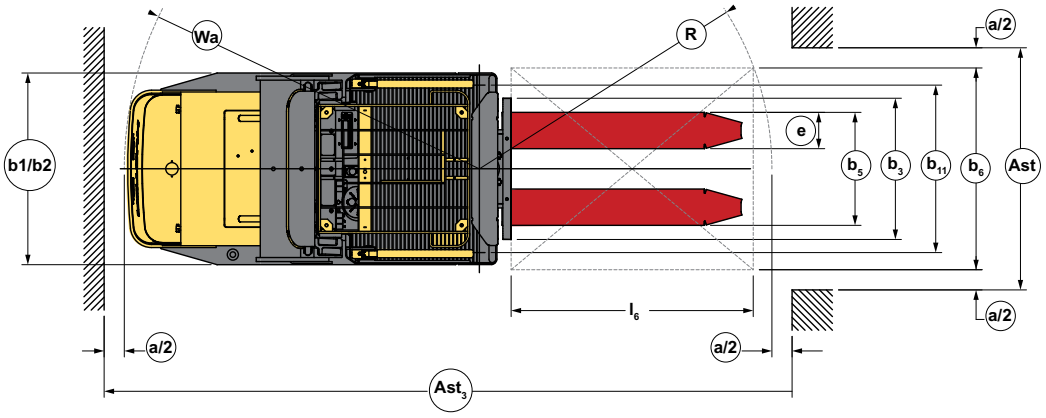

## K1.0L AC 1.9 WP



# TRUCK DIMENSIONS

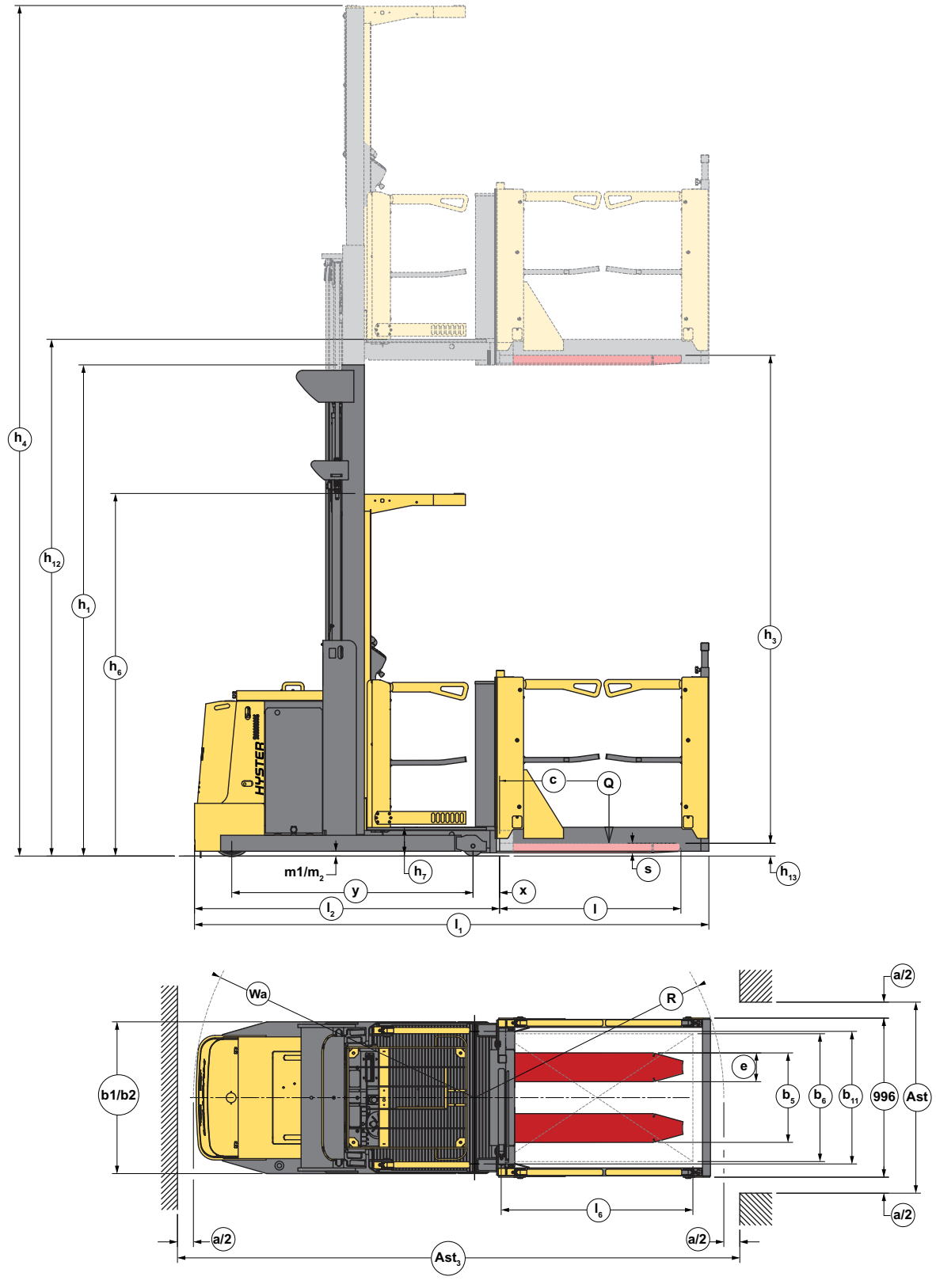
## K1.0L AC 4.8 SL



# TRUCK DIMENSIONS

## K1.0L AC 4.8 WP



# K1.0M | K1.0H SPECIFICATIONS

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GENERAL | 1-1 | Manufacturer | | | | HYSTER | | HYSTER | | HYSTER | |
| | 1-2 | Model designation | | | | K1.0M | | K1.0H | | K1.0H | |
| | 1-3 | Drive | | | | Battery | | Battery | | Battery | |
| | 1-4 | Operator type | | | | Order-picker | | Order-picker | | Order-picker | |
| | 1-5 | Rated capacity / rated load | $Q_1$ | t | | 1 | | 1 | | 1 | |
| | 1-6 | Load centre distance | c | mm | | 600 | | 600 | | 600 | |
| | 1-8 | Load distance, centre of drive axle to fork[1] | x | mm | | 190 | | 150 (2) | | 205 (3) | |
| | 1-9 | Wheelbase | y | mm | | 1534.5 | | 1574.5 | | 1674.5 | |
| WEIGHT | 2-1 | Service weight[18] | | kg | | 2890 | | 3259 | | 4073 | |
| | 2-2 | Axle loading with load, front / rear | | kg | 1060 | 2830 | 1509 | 2750 | 1763 | 3310 | |
| | 2-3 | Axle loading without load, front / rear | | kg | 1650 | 1240 | 1942 | 1317 | 2204 | 1869 | |
| WHEELS | 3-1 | Tyre type | | | | NDIIThane | | NDIIThane | | NDIIThane | |
| | 3-2 | Tyre size, front | ø | mm x mm | | 343 x 140 | | 343 x 140 | | 343 x 140 | |
| | 3-3 | Tyre size, rear | ø | mm x mm | | 200 x 80 | | 200 x 80 | | 200 x 100 | |
| | 3-5 | Wheels, number front / rear (x = driven wheels) | | | | 1 x / 2 | | 1 x / 2 | | 1 x / 2 | |
| | 3-7 | Tread, rear | $b_{11}$ | mm | | 877 | | 977 | | 1057 | |
| DIMENSIONS | 4-2 | Height of mast, lowered | $h_1$ | mm | | 3070 | | 3320 | | 3720 | |
| | 4-4 | Lift | $h_3$ | mm | | 4670 | | 5170 | | 8895 | |
| | 4-5 | Height of mast, extended[4] [5] | $h_4$ | mm | | 7040 | | 7540 | | 11265 | |
| | 4-7 | Over head guard height (cabin)[4] [5] | $h_6$ | mm | | 2370 | | 2370 | | 2370 | |
| | 4-8 | Seat height relating to SIP/stand height | $h_7$ | mm | | 250 | | 250 | | 250 | |
| | 4-11 | Additional lift | $h_9$ | mm | | 770 | | 770 | | 770 | |
| | 4-14 | Stand height, elevated | $h_{12}$ | mm | | 4920 | | 5420 | | 9145 | |
| | 4-15 | Height, lowered[6] | $h_{13}$ | mm | | 80 | | 80 | | 80 | |
| | 4-19 | Overall length[1] | $l_1$ | mm | | 3087 | | 3087 | | 3242 | |
| | 4-20 | Length to face of forks[1] | $l_2$ | mm | | 1947 | | 1947 | | 2102 | |
| | 4-21 | Overall width | $b_1$/ $b_2$ | mm | | 1000 / 1000 | | 1100 / 1100 | | 1100 / 1200 | |
| | 4-22 | Fork dimensions[7] | s/e/l | mm | | 60 / 180 / 1140 | | 60 / 180 / 1140 | | 60 / 180 / 1140 | |
| | 4-23 | Fork carriage ISO 2328, class/type A,B | II A | | | No | | No | | No | |
| | 4-24 | Fork carriage width[8] | $b_3$ | mm | | 780 (14) | | 780 (14) | | 780 (14) | |
| | 4-25 | Distance between fork-arms[9] | $b_5$ | mm | | 560 (15) | | 560 (15) | | 560 (15) | |
| | 4-27 | Width across guide rollers | $b_6$ | mm | | 1130 (16) | | 1230 (17) | | 1430 | |
| | 4-31 | Ground clearance under mast, with load | $m_1$ | mm | | 80 | | 80 | | 80 | |
| | 4-34-1 | Transfer aisle width for pallets 1000mm x 1200mm lengthwise[19] | $A_{st}$ | mm | | 3444 | | 3448 | | 3596 | |
| | 4-35 | Turning radius | $W_a$ | mm | | 1767 | | 1808 | | 1905 | |
| PERFORMANCE | 5-1 | Travel speed, laden/unladen | | km/h | | 10 / 10 | | 10 / 10 | | 10 / 10 | |
| | 5-2 | Lift speed, laden/unladen (CAB) | | m/s | | 0.35 / 0.42 | | 0.31 / 0.42 | | 0.31 / 0.42 | |
| | 5-2 | Lift speed, laden/unladen (SL) | | m/s | | 0.22 / 0.24 | | 0.20 / 0.24 | | 0.20 / 0.24 | |
| | 5-3 | Lowering speed, laden/unladen (CAB) | | m/s | | 0.37 / 0.37 | | 0.38 / 0.38 | | 0.38 / 0.38 | |
| | 5-3 | Lowering speed, laden/unladen (SL) | | m/s | | 0.14 / 0.12 | | 0.14 / 0.12 | | 0.14 / 0.12 | |
| | 5-7 | Gradeability, laden/unladen | | % | | 6.3 | | 6.2 | | 5.8 | |
| | 5-10 | Service brake | | | | Electromagnetic | | Electromagnetic | | Electromagnetic | |
| ELECTRIC ENGINE | 6-1 | Drive motor, S2 60 minute rating | | kW | | 6.4 | | 6.4 | | 6.4 | |
| | 6-2 | Lifting motor, S3 15% rating | | kW | | 12 | | 12 | | 12 | |
| | 6-3 | Battery according to DIN 43531/35/36 A,B,C, no | | | | No | | DIN 43531 B | | DIN 43531 B | |
| | 6-4 | Battery voltage/nominal capacity K5 | | V/Ah | 48 | 310[11] | 48 | 465[12] [20] | 48 | 620[13] [20] | |
| | 6-5 | Battery weight[18] | | kg | | 532 | | 750 | | 945 | |
| | 6-6 | Energy consumption according to VDI cycle | | kWh/h | | 3.27 | | 3.27 | | 3.27 | |
| | 8-1 | Type of drive unit | | | | AC-Controller | | AC-Controller | | AC-Controller | |
| | 10-7 | Sound pressure level at the driver's seat | | dB (A) | | 59 | | 59 | | 59 | |

**NOTES:**

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. Inform your dealer of the nature and condition of the intended operating area when purchasing your Hyster® truck.

(1) With Fem like carriage and Forks 100x35 add + 25mm
(2) With TX mast add 55mm
(3) With DX mast reduce 55mm
(4) With Lift interrup mounted on OHG: h6 e h4 are increased by 105mm
(5) With flashing light fitted on Over Head Guard: h6 e h4 are increased by 120 mm
(6) With Fem like carriage and Forks 80x30 and 100x35 h13 = 40 mm
(7) Available also Fem like carriage and fork size 100x35 with 1000 Kg @ 600 mm
(8) With Fem like carriage b3 = 800mm
(9) With Fem like carriage and Forks 100x35 b5 max = 773mm
(10) Sensor height 30mm from the ground
(11) Additional battery available: 48/280 (541kg)
(12) Additional battery available: 48/420 (746kg)
(13) Additional battery available: 48/560 (937kg)
(14) Available 700mm and 860mm
(15) Available 520mm, 680mm, 830mm
(16) Available 1075mm and 1330mm
(17) Available 1175mm and 1430mm
(18) These values may vary of +/- 5%
(19) Transfer aisle widths (lines 4.34.1 & 4.34.2) are 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.
(20) Available Li-ion battery 48V / 360 (937kg)

**NOTICE:**

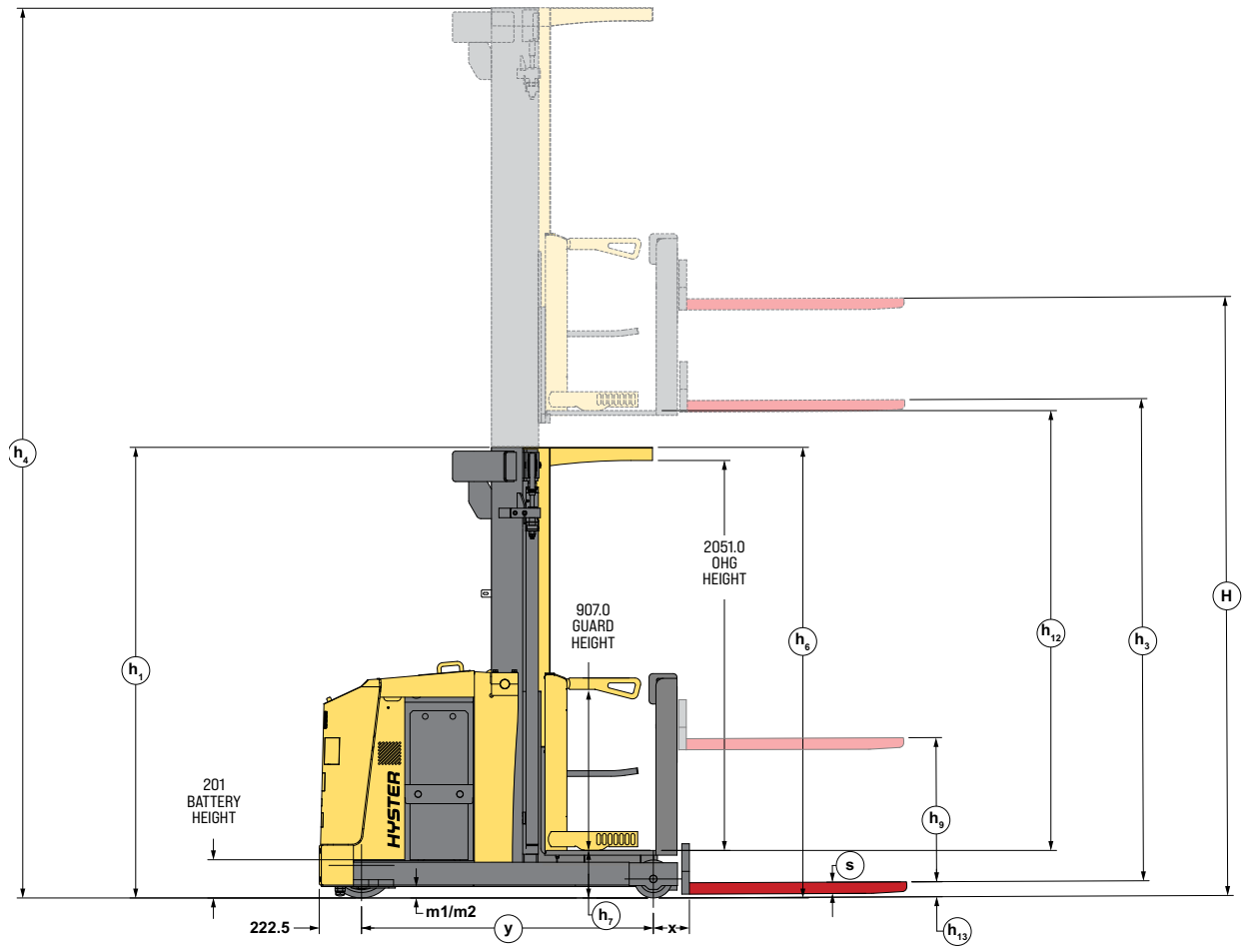
Care must be exercised when handling elevated loads. Operators must be trained and must read, understand and follow the instructions contained in the Operating Manual. All values are nominal values and they are subject to tolerances. For further information, please contact the manufacturer. Hyster products are subject to change without notice. Lift trucks illustrated may feature optional equipment. Values may vary with alternative configurations.

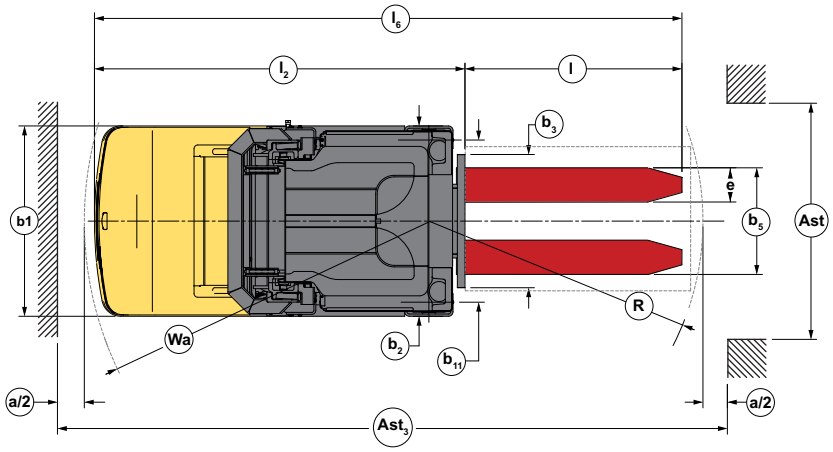
CE Safety: This truck conforms to the current EU requirements.

Specification data is based on VDI 2198.

# TRUCK DIMENSIONS

## K1.0M-K1.0H



# MAST DIMENSIONS | K1.0M, K1.0H

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

### MASTS – 2 STAGE SL

| | LIFT HEIGHT $H_3$ MM | FREE LIFT $H_2$ MM [1] [2] | HEIGHT, MAST LOWERED $H_1$ MM | HEIGHT, MAST EXTENDED $H_4$ MM | HEIGHT, OVERHEAD GUARD $H_{12}$ MM |
|---|---|---|---|---|---|
| 2-STAGE | 3270 | 4120 | 2370 | 5640 | 3520 |
| | 3370 | 4220 | 2420 | 5740 | 3620 |
| | 3470 | 4320 | 2470 | 5840 | 3720 |
| | 3570 | 4420 | 2520 | 5940 | 3820 |
| | 3670 | 4520 | 2570 | 6040 | 3920 |
| | 3770 | 4620 | 2620 | 6140 | 4020 |
| | 3870 | 4720 | 2670 | 6240 | 4120 |
| | 3970 | 4820 | 2720 | 6340 | 4220 |
| | 4070 | 4920 | 2770 | 6440 | 4320 |
| | 4170 | 5020 | 2820 | 6540 | 4420 |
| | 4270 | 5120 | 2870 | 6640 | 4520 |
| | 4370 | 5220 | 2920 | 6740 | 4620 |
| | 4470 | 5320 | 2970 | 6840 | 4720 |
| | 4570 | 5420 | 3020 | 6940 | 4820 |
| | 4670 | 5520 | 3070 | 7040 | 4920 |
| | 4770 | 5620 | 3120 | 7140 | 5020 |
| | 4870 | 5720 | 3170 | 7240 | 5120 |
| | 4970 | 5820 | 3220 | 7340 | 5220 |
| | 5070 | 5920 | 3270 | 7440 | 5320 |
| | 5170 | 6020 | 3320 | 7540 | 5420 |
| | 5270 | 6120 | 3370 | 7640 | 5520 |
| | 5370 | 6220 | 3420 | 7740 | 5620 |
| | 5470 | 6320 | 3470 | 7840 | 5720 |
| | 5570 | 6420 | 3520 | 7940 | 5820 |
| | 5670 | 6520 | 3570 | 8040 | 5920 |
| | 5770 | 6620 | 3620 | 8140 | 6020 |
| | 5870 | 6720 | 3670 | 8240 | 6120 |
| | 5970 | 6820 | 3720 | 8340 | 6220 |
| | 6070 | 6920 | 3770 | 8440 | 6320 |
| | 6170 | 7020 | 3820 | 8540 | 6420 |
| | 6270 | 7120 | 3870 | 8640 | 6520 |
| | 6370 | 7220 | 3920 | 8740 | 6620 |
| | 6470 | 7320 | 3970 | 8840 | 6720 |
| | 6570 | 7420 | 4020 | 8940 | 6820 |
| | 6670 | 7520 | 4070 | 9040 | 6920 |

(1) For models WP -770 mm
(2) Note for SL model: with Fem like carriage and Forks 80x30 and 100x35 H -40 mm

### MASTS – 3 STAGE SL

| | LIFT HEIGHT $H_3$ MM | FREE LIFT $H_2$ MM [1] [2] | HEIGHT, MAST LOWERED $H_1$ MM | HEIGHT, MAST EXTENDED $H_4$ MM | HEIGHT, OVERHEAD GUARD $H_{12}$ MM |
|---|---|---|---|---|---|
| 3-STAGE | 4845 | 5695[1] | 2370 | 7215 | 5095 |
| | 4995 | 5845 | 2420 | 7365 | 5245 |
| | 5145 | 5995[1] | 2470 | 7515 | 5395 |
| | 5295 | 6145 | 2520 | 7665 | 5545 |
| | 5445 | 6295 | 2570 | 7815 | 5695 |
| | 5595 | 6445 | 2620 | 7965 | 5845 |
| | 5745 | 6595[1] | 2670 | 8115 | 5995 |
| | 5895 | 6745 | 2720 | 8265 | 6145 |
| | 6045 | 6895 | 2770 | 8415 | 6295 |
| | 6195 | 7045 | 2820 | 8565 | 6445 |
| | 6345 | 7195[1] | 2870 | 8715 | 6595 |
| | 6495 | 7345 | 2920 | 8865 | 6745 |
| | 6645 | 7495 | 2970 | 9015 | 6895 |
| | 6795 | 7645 | 3020 | 9165 | 7045 |
| | 6945 | 7795[1] | 3070 | 9315 | 7195 |
| | 7095 | 7945 | 3120 | 9465 | 7345 |
| | 7245 | 8095 | 3170 | 9615 | 7495 |
| | 7395 | 8245 | 3220 | 9765 | 7645 |
| | 7545 | 8395[1] | 3270 | 9915 | 7795 |
| | 7695 | 8545 | 3320 | 10065 | 7945 |
| | 7845 | 8695 | 3370 | 10215 | 8095 |
| | 7995 | 8845 | 3420 | 10365 | 8245 |
| | 8145 | 8995[1] | 3470 | 10515 | 8395 |
| | 8295 | 9145 | 3520 | 10665 | 8545 |
| | 8445 | 9295 | 3570 | 10815 | 8695 |
| | 8595 | 9445 | 3620 | 10965 | 8845 |
| | 8745 | 9595[1] | 3670 | 11115 | 8995 |
| | 8895 | 9745 | 3720 | 11265 | 9145 |

(1) For models WP -770mm
(2) Note for SL model: with Fem like carriage and Forks 80x30 and 100x35 H -40 mm

All values are nominal values and they are subject to tolerances. For further information, please contact the manufacturer.
Hyster products might be subject to change without notice. Lift trucks illustrated may feature optional equipment. Values may vary with alternative configurations.

# K1.0H WP SPECIFICATIONS

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| GENERAL | 1-1 | Manufacturer | | | HYSTER | | HYSTER | |
| | 1-2 | Model designation | | | K1.0H WP | | K1.0H WP | |
| | 1-3 | Drive | | | Battery | | Battery | |
| | 1-4 | Operator type | | | Order-picker | | Order-picker | |
| | 1-5 | Rated capacity / rated load | $Q_1$ | t | 1 | | 1 | |
| | 1-6 | Load centre distance | c | mm | 600 | | 600 | |
| | 1-8 | Load distance, centre of drive axle to fork | x | mm | 162.5 | | 162.5 | |
| | 1-9 | Wheelbase | y | mm | 1574.5 | | 1674.5 | |
| WEIGHT | 2-1 | Service weight[5] | | kg | 3343 | | 4161 | |
| | 2-2 | Axle loading with load, front / rear | | kg | 1539 | 2804 | 1573 | 3588 |
| | 2-3 | Axle loading without load, front / rear | | kg | 1992 | 1351 | 2154 | 2007 |
| WHEELS | 3-1 | Tyre type | | | NDIIThane | | NDIIThane | |
| | 3-2 | Tyre size, front | ø | mm x mm | 343 x 140 | | 343 x 140 | |
| | 3-3 | Tyre size, rear | ø | mm x mm | 200 x 80 | | 200 x 100 | |
| | 3-5 | Wheels, number front / rear (x = driven wheels) | | | 1 x / 2 | | 1 x / 2 | |
| | 3-7 | Tread, rear | $b_{11}$ | mm | 977 | | 1057 | |
| DIMENSIONS | 4-2 | Height of mast, lowered | $h_1$ | mm | 3320 | | 3470 | |
| | 4-4 | Lift | $h_3$ | mm | 5170 | | 8145 | |
| | 4-5 | Height of mast, extended[1] [2] | $h_4$ | mm | 7540 | | 10515 | |
| | 4-7 | Over head guard height (cabin)[1] [2] | $h_6$ | mm | 2370 | | 2370 | |
| | 4-8 | Seat height relating to SIP/stand height | $h_7$ | mm | 250 | | 250 | |
| | 4-14 | Stand height, elevated | $h_{12}$ | mm | 5420 | | 8395 | |
| | 4-15 | Height, lowered | $h_{13}$ | mm | 80 | | 80 | |
| | 4-19 | Overall length | $l_1$ | mm | 3260 | | 3360 | |
| | 4-20 | Length to face of forks | $l_2$ | mm | 1960 | | 2060 | |
| | 4-21 | Overall width | $b_1/b_2$ | mm | 1100 / 1100 | | 1100 / 1200 | |
| | 4-22 | Fork dimensions | s/e/l | mm | 60 / 180 / 1150 | | 60 / 180 / 1150 | |
| | 4-23 | Fork carriage DIN 15173, Class/form A,B | | | No | | No | |
| | 4-24 | Fork carriage width | $b_3$ | mm | 1080 | | 1280 | |
| | 4-25 | Distance between fork-arms | $b_5$ | mm | 560 | | 560 | |
| | 4-27 | Width across guide rollers | $b_6$ | mm | 1230 (6) | | 1430 | |
| | 4-31 | Ground clearance under mast, with load | $m_1$ | mm | 80 | | 80 | |
| | 4-32 | Ground clearance, centre of wheelbase | $m_2$ | mm | 60 | | 60 | |
| | 4-34 | Aisle width without pallet or with pallet within cage[7] | $A_{st}$ | mm | 3578 | | 3714 | |
| | 4-35 | Turning radius | $W_a$ | mm | 1808 | | 1905 | |
| PERFORMANCE | 5-1 | Travel speed, laden/unladen | | km/h | 10 / 10 | | 10 / 10 | |
| | 5-2 | Lift speed, laden/unladen (SL) | | m/s | 0.37 / 0.43 | | 0.37 / 0.43 | |
| | 5-3 | Lowering speed, laden/unladen (SL) | | m/s | 0.38 / 0.38 | | 0.38 / 0.38 | |
| | 5-7 | Gradeability, laden/unladen | | % | - | | - | |
| | 5-10 | Service brake | | | Electromagnetic | | Electromagnetic | |
| ELECTRIC ENGINE | 6-1 | Drive motor, S2 60 minute rating | | kW | 6.4 | | 6.4 | |
| | 6-2 | Lifting motor, S3 15% rating | | kW | 12 | | 12 | |
| | 6-3 | Battery according to DIN 43531/35/36 A,B,C, no | | | DIN 43531 B | | DIN 43531 B | |
| | 6-4 | Battery voltage/nominal capacity K5 | | V/Ah | 48 | 465[3] [8] | 48 | 620[4] [8] |
| | 6-5 | Battery weight[9] | | kg | 750 | | 945 | |
| | 6-6 | Energy consumption according to VDI cycle | | kWh/h | 3.27 | | 3.27 | |
| | 8-1 | Type of drive unit | | | AC-Controller | | AC-Controller | |
| | 10-7 | Sound pressure level at the driver's seat | | dB (A) | < 70 | | < 70 | |

**NOTES:**

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. Inform your dealer of the nature and condition of the intended operating area when purchasing your Hyster® truck.

(1) With Lift interrup mounted on OHG: $h_6$ e $h_4$ are increased by 105mm
(2) With flashing light fitted on Over Head Guard: $h_6$ e $h_4$ are increased by 120 mm
(3) Additional battery available: 48/420 (746kg)
(4) Additional battery available: 48/560 (937kg)
(5) These values may vary of +/- 5%
(6) Available 1175mm and 1430mm
(7) Transfer aisle widths (lines 4.34.1 & 4.34.2) are 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.
(8) Available Li-ion battery 48V 360 (937kg)

**NOTICE:**

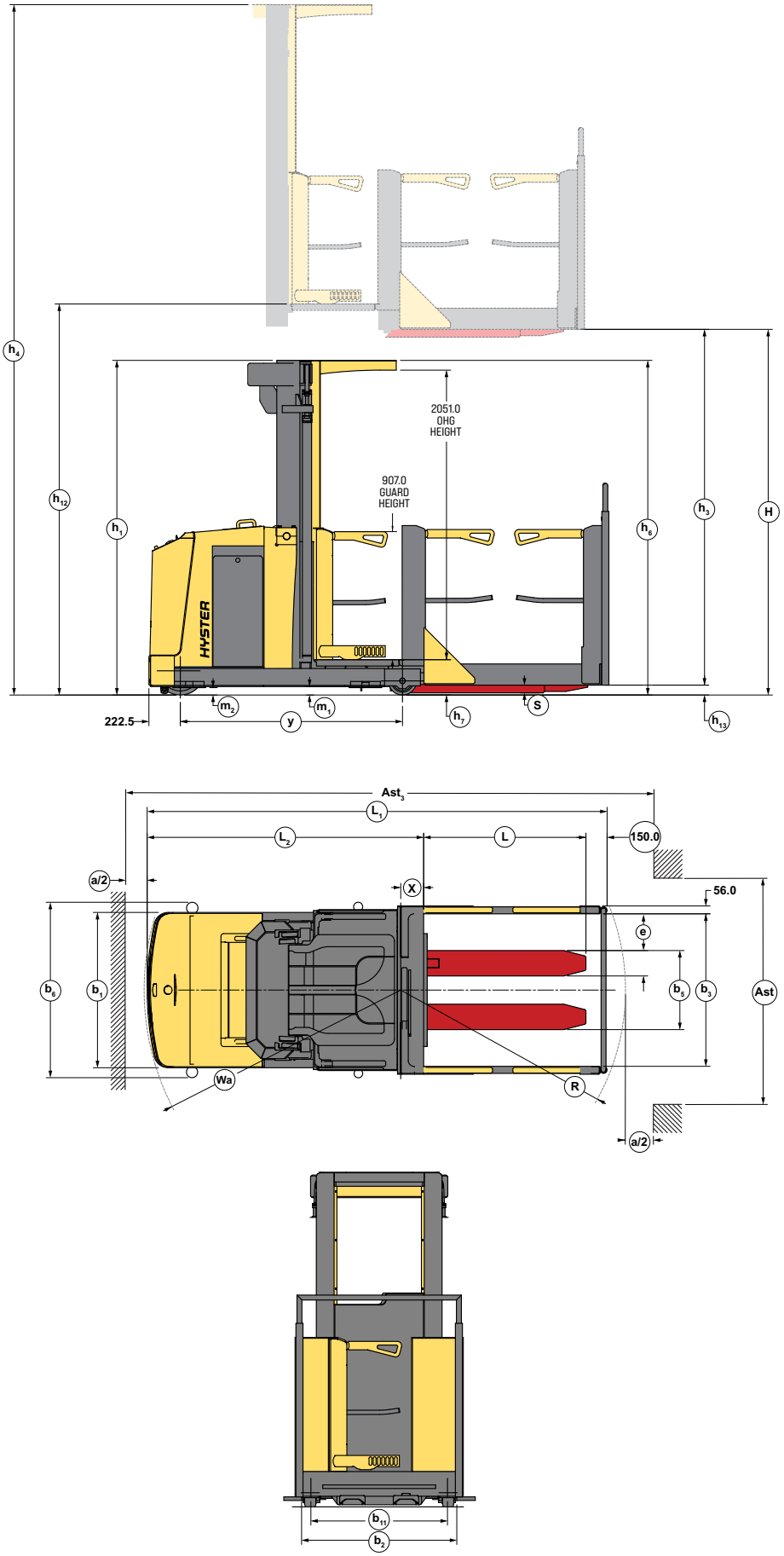
Care must be exercised when handling elevated loads. Operators must be trained and must read, understand and follow the instructions contained in the Operating Manual. All values are nominal values and they are subject to tolerances. For further information, please contact the manufacturer. Hyster products are subject to change without notice. Lift trucks illustrated may feature optional equipment. Values may vary with alternative configurations.

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

Specification data is based on VDI 2198.

# TRUCK DIMENSIONS | K10L AC 48 WP

## K1.0H WP



# STANDARD EQUIPMENT AND OPTIONS

| OPERATOR COMPARTMENT | K1.0L AC 0.7/1.4 FC | K1.0L AC 1.2 SL/WP | K1.0L AC 1.9-4.8 SL/WP | K1.0M SL/WP | K1.0H SL/WP |
|---|---|---|---|---|---|
| Drive side facing controls | x | x | x | x | x |
| Dual drive and load side facing controls | - | - | - | o | o |
| Electric power steering | x | x | x | x | x |
| Floor integrated operator presence sensing | x | x | x | x | x |
| Height indicator | x | x | x | x | x |
| Storage compartments | x | x | x | x | x |
| Open operator's compartment - raised floor height ($h_{12}$) < 1200mm | - | x | - | - | - |
| Enclosed operator's compartment - front and sides | - | - | x | x | x |
| Fold-up bottom toe plate on side gates (enclosed compartment only) | - | - | x | x | x |
| **LIFT AND TRACTION CONTROL** | | | | | |
| Proportional lift/lower control | - | - | x | x | x |
| Soft stop on lowering | - | - | - | x | x |
| Emergency lowering from the ground | - | - | x | x | x |
| Driver select performance settings on traction and lift | x | x | x | x | x |
| Walk along slow speed advance control from side of truck | x | x | x | x | x |
| Off board lift / lower control of forks | x | x | x | x | x |
| **LOAD HANDLING** | | | | | |
| Walk-on forks - open | - | x (WP) | - | - | - |
| Walk-on forks - pallet cage with fold-up side-gates / pallet sensing | - | - | x (WP) | - | o |
| Welded fixed forks - walk-on pallet option | - | x (WP) | x (WP) | - | o |
| Supplementary lift - fixed fork width | o (0.7 FC) | o (SL) | o (SL) | o | o |
| Supplementary lift - adjustable fork width | o (0.7 FC) | o (SL) | o (SL) | o | o |
| Masted lift - fixed fork width | o (1.4 FC) | - | - | - | - |
| Masted lift - adjustable width forks | o (1.4 FC) | - | - | - | - |
| Load backrest | o | - | - | - | - |
| **TRAVEL** | | | | | |
| Free ranging | x | x | x | x | x |
| Speed reduction on cornering | x | x | x | x | x |
| Height / load sensing speed control | - | - | - | x | x |
| Guide tollers for rail guidance ( rail not included) | - | - | o [1] | o | o |
| Wire guidance (5.2 / 6.25 / 7.0 / 10 kHz) | - | - | o [1] | o | o |
| End of aisle control options ( slow down / stop ) via floor magnets | - | - | o [1] | o | o |
| **OPTIONS** | | | | | |
| Flashing beacon | o | o | o [2] | x | x |
| Dome light | - | - | o | o | o [3] |
| Fan | - | - | o | - | - |
| Dome light and fan | - | - | - | o | o |
| Work lights - facing racks | - | - | o | o | o |
| Work light - over load | - | - | o | o | o |
| Lexan overhead guard | - | - | o | o | o |
| Wire mesh overhead guard | - | - | o | o | o |
| Lift interrupt with override | - | o | o | o | o |
| Lift interrupt on overhead guard | - | - | o | o | o |
| Autostop on lowering (only for SL application) | - | - | - | o | o |
| Reverse alarm | o | o | o | o | o |
| Cold store protection | o | o | o | o | o |
| Clipboard | o | - | o | o | o |
| RFDT hang-on support | o | - | o | o | o |
| DC/DC converter 12V | o | o | o | o | o |
| DC/DC converter 24V | - | - | - | o | o |
| Antistatic drive tyre | - | - | - | o | o |
| **CONFIGURATION** | | | | | |
| Cabin width (mm) | 796 | 780 | 940 | 950 | 1050 - 1150 - 1240 [4] |
| Chassis width $b_2$ (mm) | 796 | 780 | 950 | 1000 | 1100-1200 [5] |
| Fixed cab / supplementary lift - 690 mm | K1.0L AC 0.7 FC | o | o | - | - |
| Fixed cab / masted fork lift - 1410 mm | K1.0L AC 1.4 FC | - | - | - | - |
| Rising cab 1 stage mast - raised platform height ($h_{12}$) = 1190 mm | - | x | - | - | - |
| Rising cab 1 stage mast - raised platform height ($h_{12}$) = 1690 - 1850 mm | - | - | o | - | - |
| Rising cab 2 stage mast - raised platform height ($h_{12}$) = 3207 - 4807 mm | - | - | o | - | - |
| Rising cab 2 stage mast - raised platform height ($h_{12}$) = 3520 - 4520 mm | - | - | - | o | - |
| Rising cab 2 stage mast - raised platform height ($h_{12}$) = 3520 - 6920 mm | - | - | - | - | o |
| Rising cab 3 stage mast - raised platform height ($h_{12}$) = 5095 - 9145 mm | - | - | - | o | - |
| **POWER** | | | | | |
| AC traction | x | x | x | x | x |
| AC steering | x | x | x | x | x |
| AC pump motor | - | - | - | x | x |
| Voltage | 24 | 24 | 24 | 48 | 48 |
| Battery size (Ah) | 500 | 560-620 | 560-620 | 280-310 | 420-620 |
| Regen on lowering | - | - | - | x | x |
| Battery rollers | x | x | x | x | x |
| Side battery change table - single bed | o | o | o | o | o |
| Side battery change table - twin bed | o | o | o [6] | - | - |

**NOTE:**

(1) With 2 stage mast only (Raised platform height ($h_{12}$) =3200-4800 mm)

(2) Required option (Raised platform height ($h_{12}$) > 1200 mm)

(3) With 2 stage mast only

(4) With walk-on pallet cage - 1140 / 1340 mm

(5) From raised platform height ($h_{12}$) = 8450 mm, 1200 mm chassis required

(6) Not with rail guidance

# PRODUCT FEATURES

## DEPENDABILITY

- Strong, welded compact chassis structure enhances maneuverability and allows reliable load handling even in high racking.
- Robust mast construction, with high torsional strength promotes increased stability, leading to greater operator confidence and safer load handling.
- A slack chain detection device, mounted on the mast, prevents further lowering if an obstacle is encountered. This promotes safe operation and minimizes truck damage.
- Polyurethane tyres minimize pressure applied on the floor surface and promote more stable load handling.

## LOW COST OF OWNERSHIP

- Extensive range of range of lifting heights optimizes warehouse space.
- AC drive motor on K1.0L, K1.0H and K1.0M provides superior performance and productivity.
- Progressive speed control helps optimize efficient energy consumption.
- Parts commonality with other Hyster warehouse models reduces the level of parts required to be held in stock. Familiarity with key components reduces service costs.
- Service intervals of 12 months or 1 000 hours.

## PRODUCTIVITY

- A choice of three performance settings allows the truck to be configured to suit the requirements of the driver and the application.
- Automatic braking on cornering improves controllability.
- Variable lift speeds allow the truck's hydraulic performance to be matched to the dimensions and weight of the load.
- The MOSFET high frequency controller provides good traction and hydraulic control for smooth acceleration and lift performance with optimum energy efficiency.
- Compact chassis design enhances manoeuverability.

## ERGONOMICS

- Spacious compartment allows the operator more freedom of movement, leading to more comfortable operation.
- A low step height allows easy on/off access, reducing operator fatigue during stop and go operations.
- Full platform sensing for operator presence.
- Electronic fly-by-wire, effortless power steering.
- The forks can be raised or lowered independently from the cab, according to the required operator working heights, thus minimizing the need for the operator to stretch (not applicable to WP models).
- Rising cab with proportional lowering (not applicable to FC models).
- Supplementary lift and walk-on pallet cage also available.
- Front, side and overhead guards are available for operator protection (depending on model).
- Easy access to pick faces.

## SERVICEABILITY

- Fixed vertically mounted motor provides easy maintenance access.
- AC drive motor is virtually maintenance free.
- CANbus wiring system enhances communication between truck systems and simplifies maintenance.
- Dashboard display provides full information on the truck performance and operating status.
- Universal support bracket.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Safety: This truck conforms to the current EU requirements