HYSTER

STRONG PARTNERS.
TOUGH TRUCKS.™

MEDIUM AND HIGH LEVEL ORDER PICKERS

K1.0L, K1.0L SL, K1.0L WP, K1.0M, K1.0H, K1.0H WP

1 000 KG @ 600 MM

K1.0L, K1.0L SL, K1.0L WP

			HYSTER		HYSTER	HYSTER
DISTINGUISHING MARKS	1.1	Manufacturer (abbreviation)	K1.0L AC 0.7 FC	K1.0L AC 1.4 FC	K1.0L AC 1.2	K1.0L AC 1.2 SL
	1.2	Manufcturer's type designation	Battery		Battery	Battery
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas	Order-picker		Order-picker	Order-picker
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker	1		1	1
	1.5	Rated capacity / Rated load Q (t)	600		600	600
	1.6	Load centre distance c (mm)	144		96	166
	1.8	Load distance, centre of drive axle to fork ■ x (mm)	1390		1390	1390
	1.9	Wheelbase y (mm)				
WEIGHTS	2.1	Service weight kg	1550	1750	1600	1700
	2.2	Axle loading, laden front/rear kg	350 / 2200	350 / 2400	350 / 2250	350 / 2350
	2.3	Axle loading, unladen front/rear kg	900 / 650	950 / 800	900 / 700	950 / 750
TYRES / CHASSIS	3.1	Tyres: polyurethane, topthane, vulkollan, front/rear	Vulkollan/Vulkollan		Vulkollan/Vulkollan	Vulkollan/Vulkollan
	3.2	Tyre size, front ø mm x mm	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
	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
DIMENSIONS	4.2	Height, mast lowered h_1 (mm)	1074	1794	1654	1654
	4.4	Lift h_3 (mm)	690	1410	1010	1010
	4.5	Height, mast extended ✻ h_4 (mm)	-		2664	2664
	4.7	Height of overhead guard (cabin) ✻ h_6 (mm)	1957 ◆		-	-
	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		80	80
	4.19	Overall length ■ † l_1 (mm)	2907		2874	2929
	4.20	Lenght to face of forks ■ † l_2 (mm)	1767		1719	1789
	4.21	Overall width ❍ b_1 / b_2 (mm)	796		780	780
	4.22	Fork dimensions DIN ISO 2331 ◗ s/e/l (mm)	60 / 180 / 1140		60 / 180 / 1155	60 / 180 / 1140
	4.23	Fork carriage ISO 2328, class/type A, B	No		No	No
	4.24	Fork-carriage width ◇ b_3 (mm)	700		-	700
	4.25	Distance between fork-arms □ b_5 (mm)	560		526	560
	4.31	Ground clearance, laden, below mast m_1 (mm)	135		135	135
	4.32	Ground clearance, center of wheelbase m_2 (mm)	30		30	30
	4.33	Load dimension $b_{12} \times l_6$ lengthwise $b_{12} \times l_6$ (mm)	800 x 1200		800 x 1200	800 x 1200
	4.34.1	Transfer aisle width for pallets 1000mm x 1200mm lengthwise ✳ A_{st} (mm)	3256		3248	3277
	4.34.2	Transfer aisle width for pallets 800mm x 1200mm lengthwise ✳ A_{st} (mm)	3224		3217	3245
	4.35	Turning radius W_a (mm)	1622		1622	1622
PERFORMANCE DATA	5.1	Travel speed, laden/unladen km/h	10.1	10.5	10.1 / 10.5	10.1 / 10.5
	5.2	Lift speed, laden/unladen (Cab) m/s	-		0.17 / 0.25	0.11 / 0.21
	5.2	Lift speed, laden/unladen (SL) m/s	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
POWER UNIT	6.1	Drive motor S2 60 minute rating km/h	4		4	4
	6.2	Lift motor, S3 15% rating km/h	3		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)	24V	500Ah	24V / 620Ah □	24V / 620Ah □
	6.5	Battery weight ▼ kg	370		485	485
	6.6	Energy consumption according to VDI cycle kWh/h @ Nr of Cycles	2.28	2.35	2.30	2.38
DRIVE / LIFT MECHANISM	8.1	Type of drive unit	AC-Controller		AC-Controller	AC-Controller
ADDITIONAL DATA	10.7	Sound pressure level at the driver's seat dB(A)	< 70		< 70	< 70

Specification data is based on VDI 2198

HYSTER	HYSTER	HYSTER	HYSTER		
K1.0L AC 1.9 SL ❖	K1.0L AC 1.9 WP ✚	K1.0L AC 4.8 SL ⅄	K1.0L AC 4.8 WP ◈	1.1	DISTINGUISHING MARKS
Battery	Battery	Battery	Battery	1.2	
Order-picker	Order-picker	Order-picker	Order-picker	1.3	
1	1	1	1	1.4	
600	600	600	600	1.5	
166	166	157	166	1.6	
1390	1390	1510	1510	1.8	
				1.9	
1800	2000	2736	2865	2.1	WEIGHTS
350 / 2450	350 / 2650	1030 / 2702	1223 / 2652	2.2	
950 / 850	950 / 1050	1523 / 1213	1755 / 1120	2.3	
Vulkollan/Vulkollan	Vulkollan/Vulkollan	Vulkollan/Vulkollan	Vulkollan/Vulkollan	3.1	TYRES / CHASSIS
254 x 125	254 x 125	254 x 125	254 x 125	3.2	
125 x 94	125 x 94	125 x 94	125 x 94	3.3	
1x / 2	1x / 2	1x / 2	1x / 2	3.5	
660	660	830	830	3.7	
2270	2270	3075	3075	4.2	DIMENSIONS
1530	1530	4628	4628	4.4	
3800	3800	6898	6898	4.5	
2270	2270	2270	2270	4.7	
180	180	180	180	4.8	
690	-	690	-	4.11	
1710 ✧	1710 ✧	4080 ✧	4080 ✧	4.14	
80	80	80	80	4.15	
2929	3099	3040	3220	4.19	
1789	1789	1900	1910	4.20	
780	780 / 996	950	950 / 996	4.21	
60 / 180 / 1140	60 / 180 / 1140	60 / 180 / 1140	60 / 180 / 1140	4.22	
No	No	No	No	4.23	
700	880	700	880	4.24	
560	560	560	560	4.25	
135	135	135	135	4.31	
30	30	30	30	4.32	
800 / 1200	800 / 1200	800 / 1200	800 / 1200	4.33	
3277	-	3397	-	4.34.1	
3245	3377	3365	3497	4.34.2	
1622	1622	1742	1742	4.35	
10.1 / 10.5	10.1 / 10.5	8.6 / 9.5	8.6 / 9.5	5.1	PERFORMANCE DATA
0.11 / 0.21	0.15 / 0.20	0.15 / 0.20	0.15 / 0.20	5.2	
0.09 / 0.18	-	0.09 / 0.18	-	5.2	
0.26 / 0.14	0.28 / 0.24	0.27 / 0.23	0.28 / 0.24	5.3	
0.20 / 0.07	-	0.20 / 0.07	-	5.3	
5.0 / 8.0	5.0 / 8.0	5.0 / 8.0	5.0 / 8.0	5.7	
5.0 / 8.0	5.0 / 8.0	5.0 / 8.0	5.0 / 8.0	5.8	
5.5 / 7.5	5.5 / 7.5	5.5 / 7.5	5.5 / 7.5	5.9	
Electromagnetic	Electromagnetic	Electromagnetic	Electromagnetic	5.10	
4	4	4	4	6.1	POWER UNIT
3	3	3	3	6.2	
no	no	no	no	6.3	
24V / 620Ah ☐	24V / 620Ah ☐	24V / 620Ah ☐	24V / 620Ah ☐	6.4	
485	485	485	485	6.5	
2.40	2.40	2.86	2.90	6.6	
AC-Controller	AC-Controller	AC-Controller	AC-Controller	8.1	DRIVE / LIFT MECHANISM
< 70	< 70	< 70	< 70	10.7	ADDITIONAL DATA

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.

■ **Note for SL model:**
With FEM carriage and forks 80 x 30 mm + 20mm
With FEM carriage and forks 100 x 35 mm + 25mm

✻ **Note for models with over head guard:**
With lift interrupt mounted on OHG h6+ 80 mm

✦ **Note for SL model:**
With FEM carriage and forks 80 x 30mm
h_{13} = 40mm

❍ **Note for SL model:**
With FEM carriage b_2 = 800 mm

◗ **Note for SL model:**
Available also FEM carriage and fork size
80 x 30mm (600 kg @ 600mm,
800 kg @ 500mm, 1 000 kg @ 400mm)
and 100 x 35mm with 1 000 kg @ 600mm

◇ **Note for SL model:**
With FEM carriage b_3 = 800mm

☐ **Note for SL model:**
With FEM carriage and forks 80 x 30mm
b_5 = 753mm
With FEM carriage and forks 100 x 35mm
b_5 = 773mm

† With wire guidance l_1 and l_2 + 40mm

▼ These values may vary of +/- 5%

☐ Available battery 560Ah. With battery 560Ah service weight -9kg

◆ Model without cabin; the value is referred to the overall height, without load backrest

✧ Models name referred to h12

❖ Available models K1.0L AC 1.9 SL / MO10E AC 19 SL

✚ Available models K1.0L AC 1.9 WP / MO10E AC 19 WP

⅄ Available models K1.0L AC 3.2-3.6-4.0-4.4 SL / MO10E AC 32-36-40-44 SL

◈ Available models K1.0L AC 3.2-3.6-4.0-4.4 WP / MO10E AC 32-36-40-44 WP

✳ Transfer aisle width (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

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 the mast tilt in either direction is kept to a minimum when loads are elevated.

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.

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)	Fork Lift (pallet forks) H (mm) ★	Height, mast lowered h_1 (mm)	Height, mast extended h_4 (mm)	Stand height, elevated h_{12} (mm)
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)	Fork Lift H (mm) △★	Height, mast lowered h_1 (mm)	Height, mast extended h_4 (mm)	Stand height, elevated h_{12} (mm)
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

NOTES:

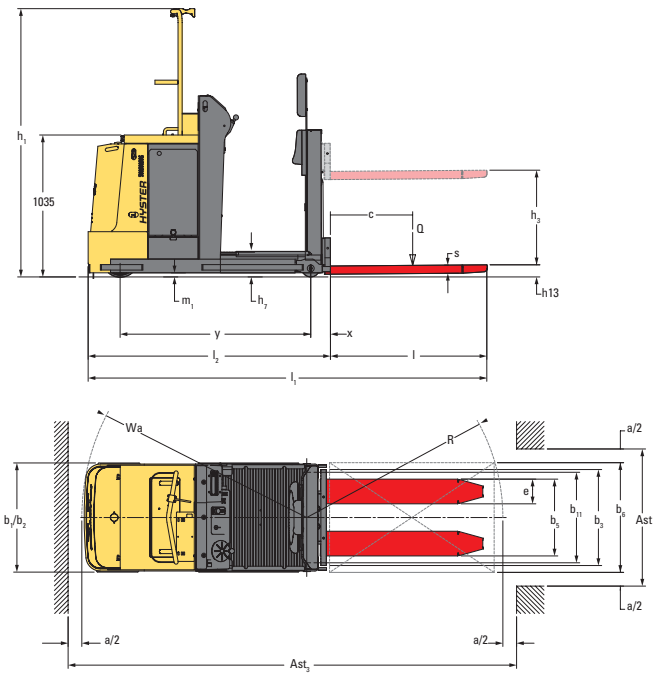
△ For models WP -690mm

★ Note for SL model: with FEM like carriage and forks 80 x 30 mm and 100 x 35 mm H -40 mm

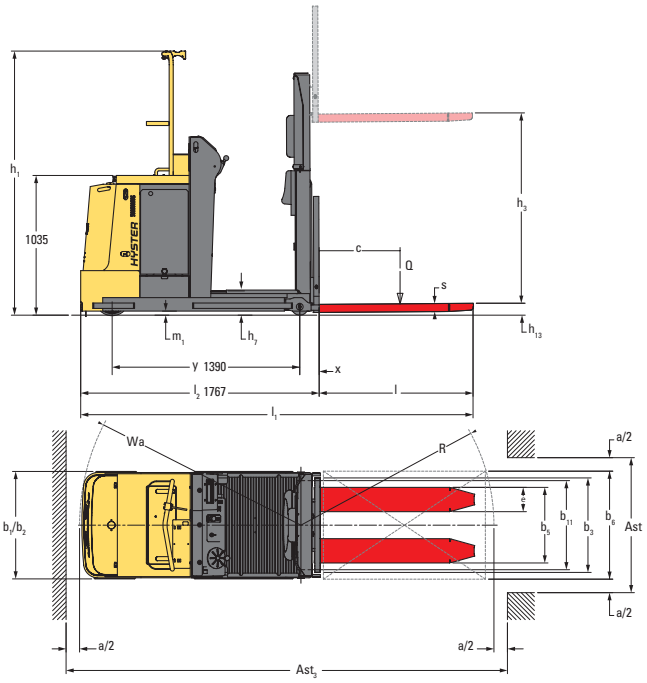
All values are nominal values and they are subject to tolerances. For further information, please contact the manufacturer. Hyster (Yale) products might be subject to change without notice. Lift trucks illustrated may feature optional equipment.Values may vary with alternative configurations.

TRUCK DIMENSIONS

K1.0L AC 0.7 FC

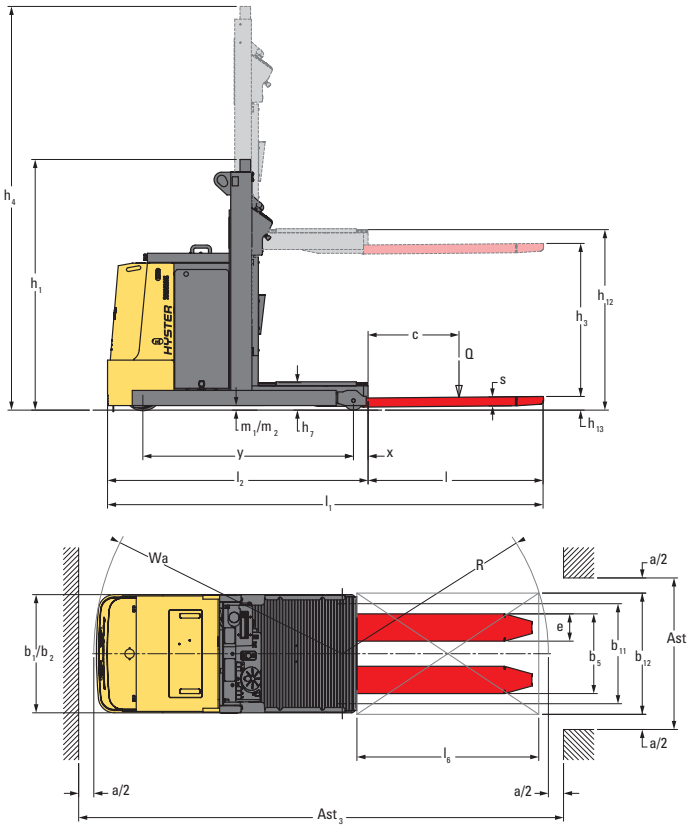


K1.0L AC 1.4 FC

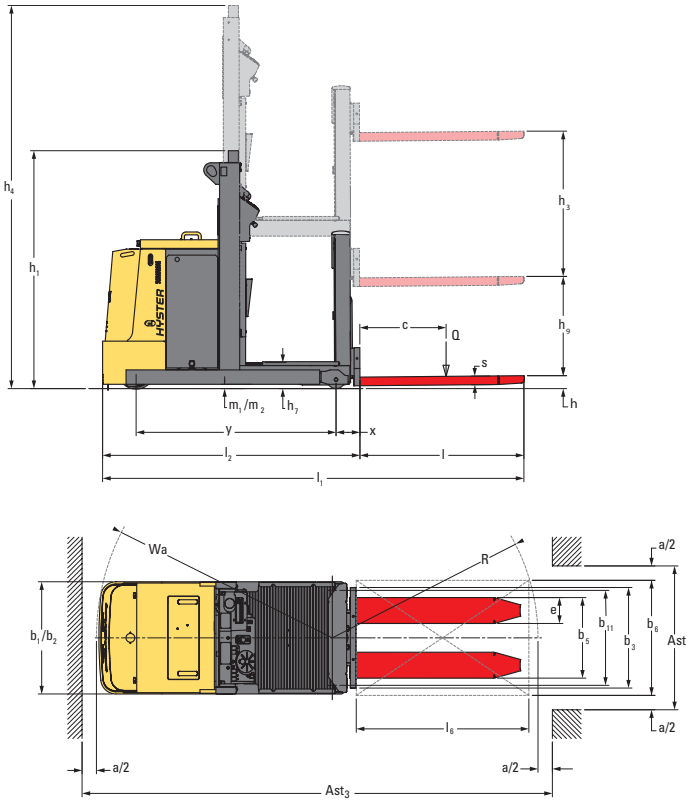


TRUCK DIMENSIONS

K1.0L AC 1.2

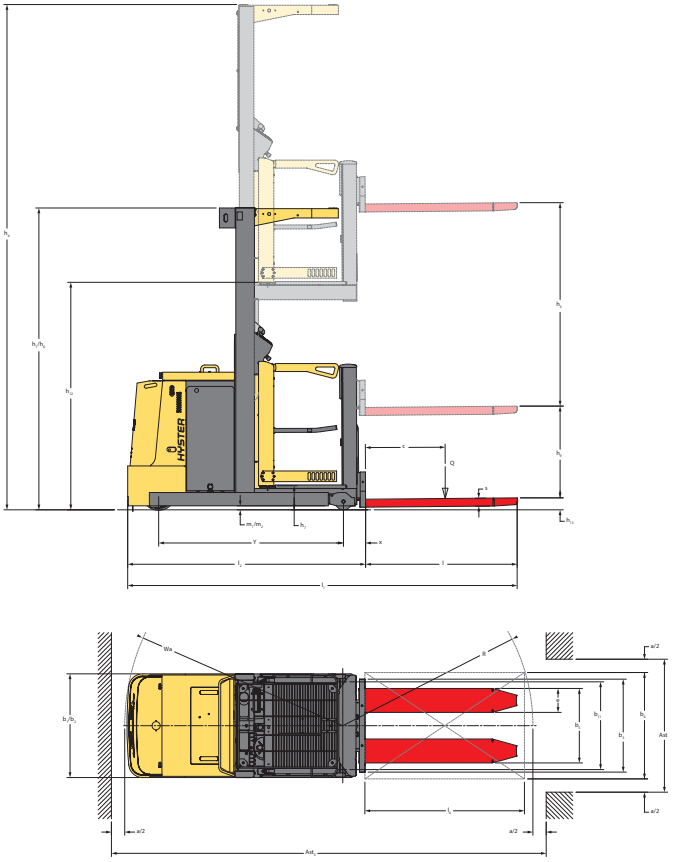


K1.0L AC 1.2 SL

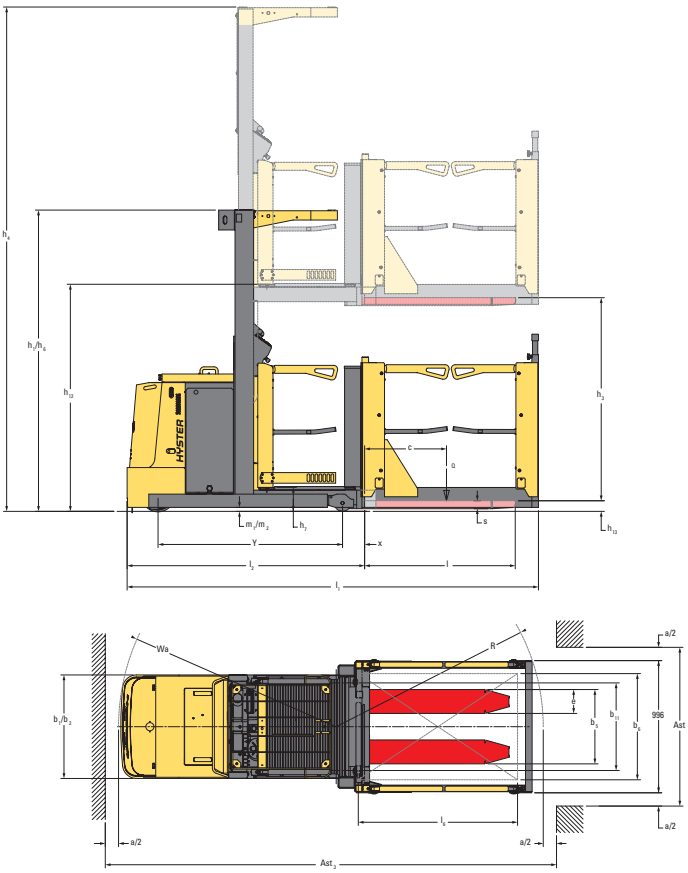


TRUCK DIMENSIONS

K1.0L AC 1.9 SL

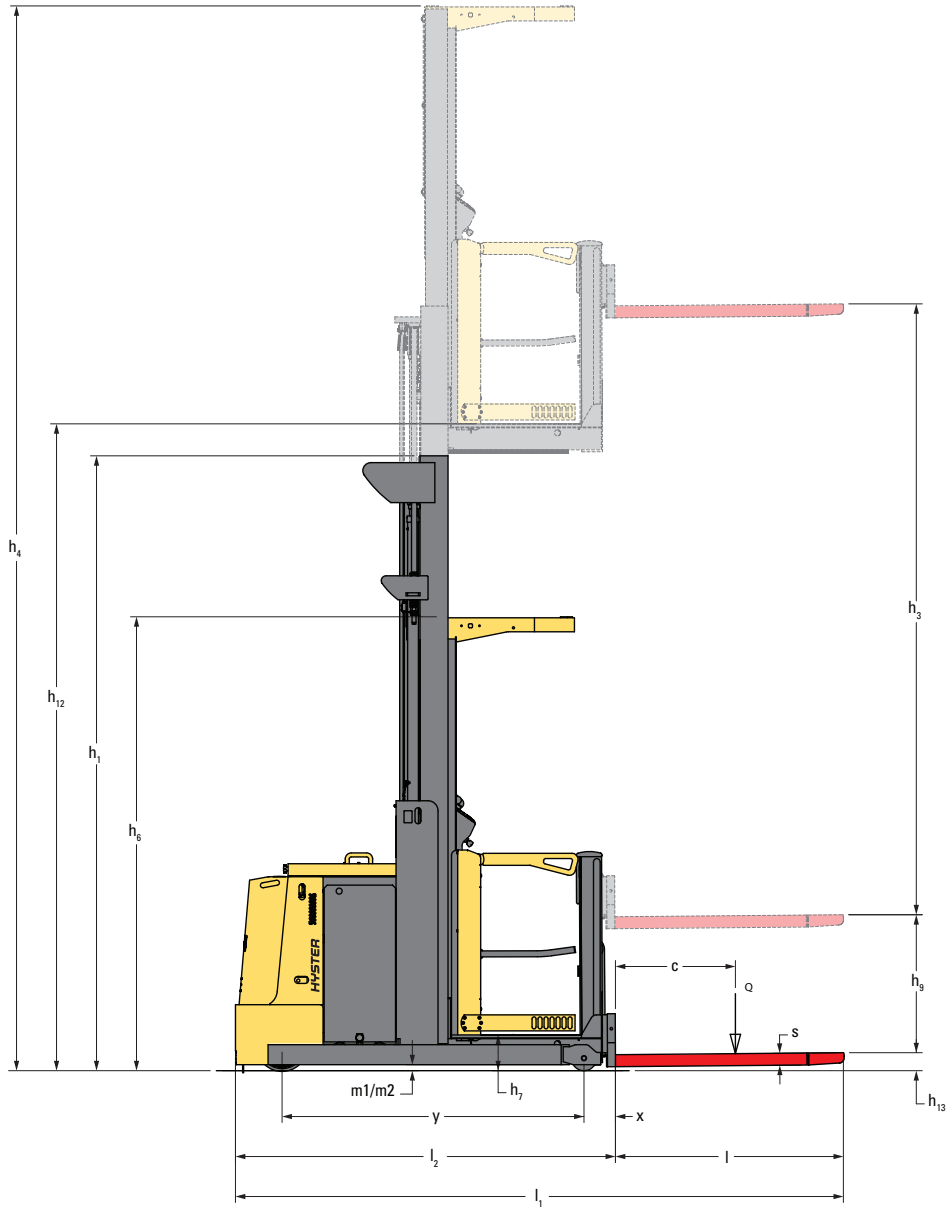


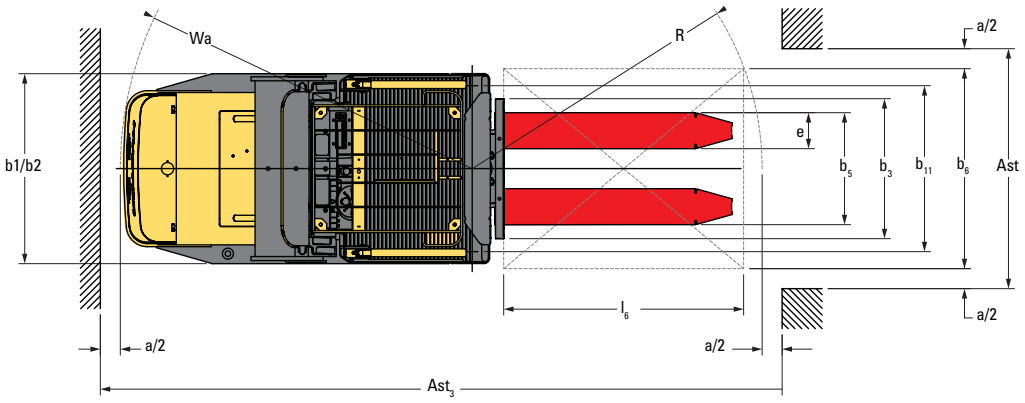
K1.0L AC 1.9 WP



TRUCK DIMENSIONS

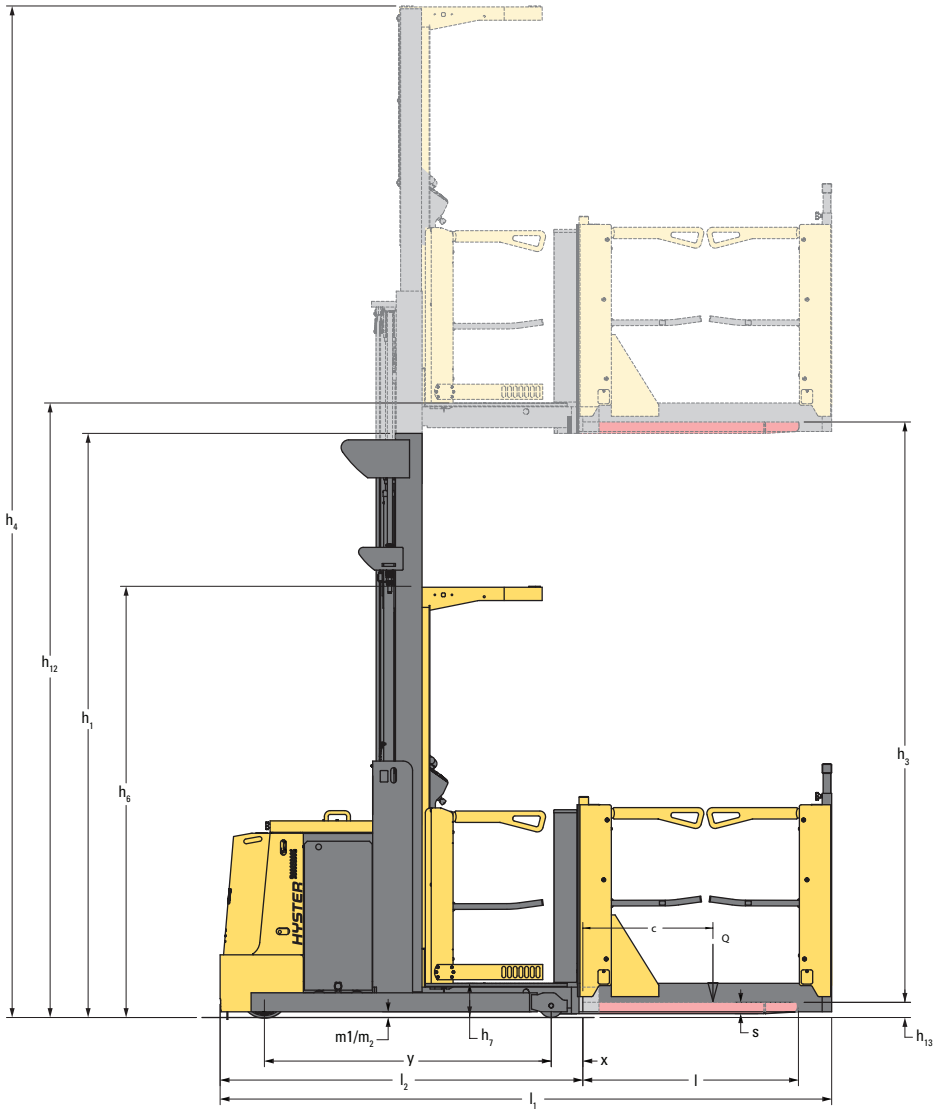
K1.0L AC 4.8 SL

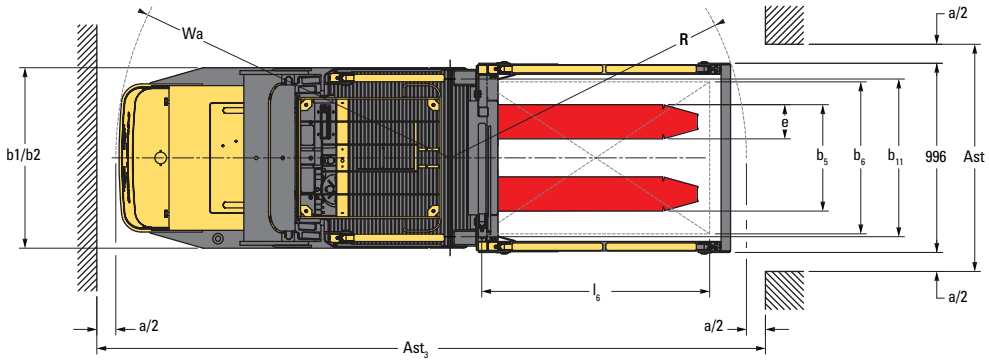




TRUCK DIMENSIONS

K1.0L AC 4.8 WP





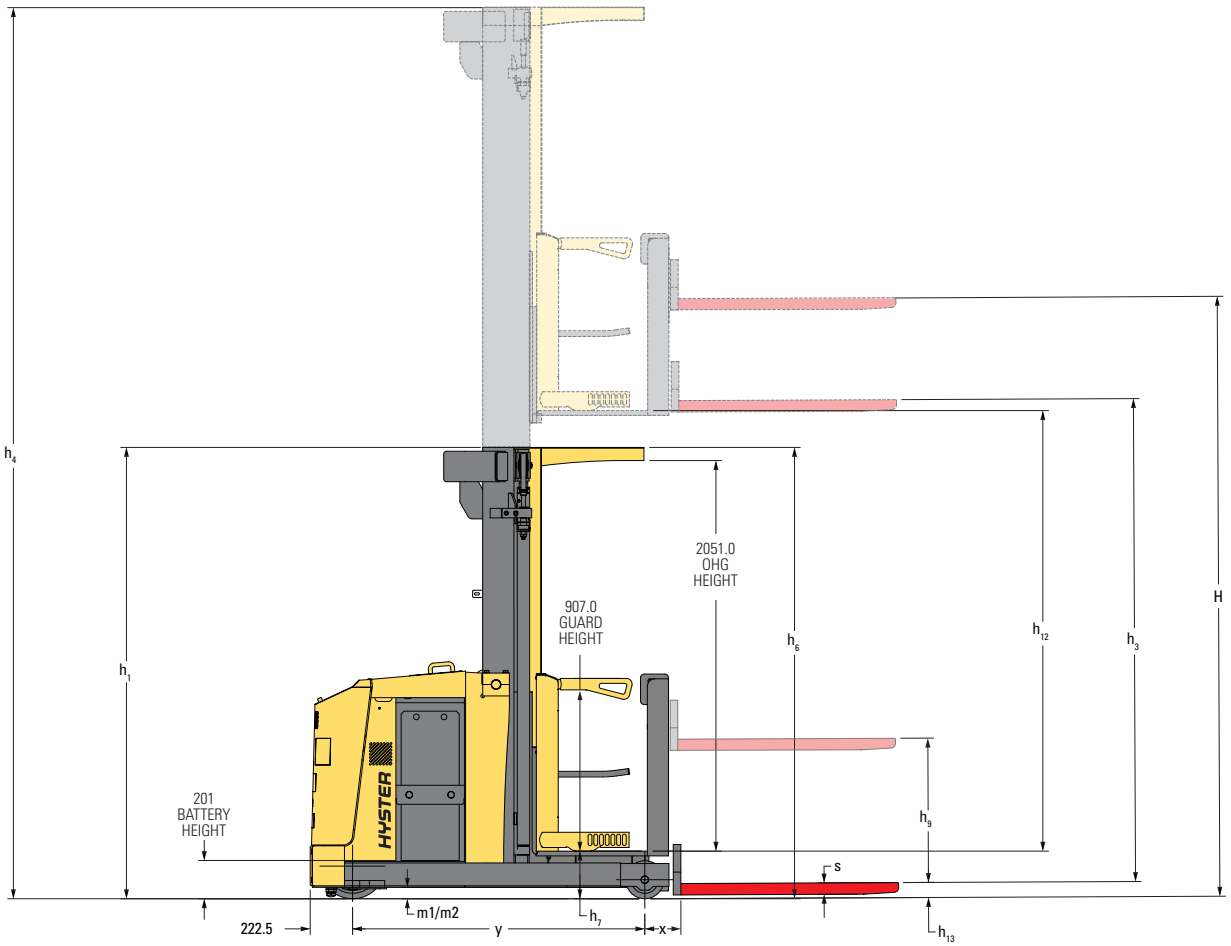
K1.0M, K1.0H

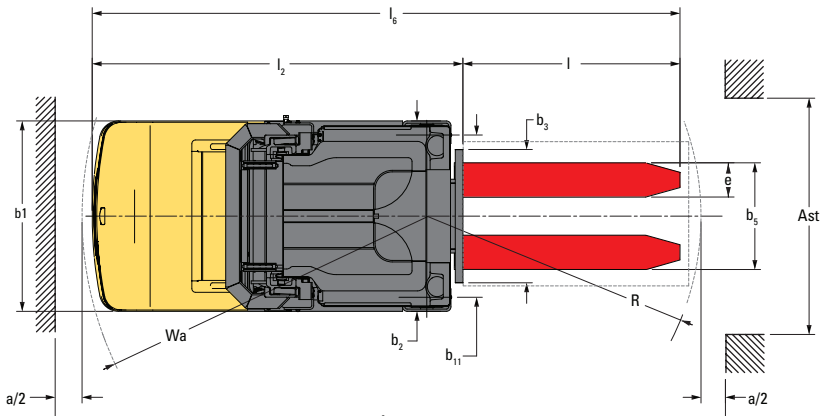
			HYSTER	HYSTER	HYSTER
DISTINGUISHING MARKS	1.1	Manufacturer (abbreviation)			
	1.2	Manufcturer's type designation	K1.0M	K1.0H	K1.0H
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas	Battery	Battery	Battery
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker	Order-picker	Order-picker	Order-picker
	1.5	Rated capacity / Rated load Q (t)	1	1	1
	1.6	Load centre distance c (mm)	600	600	600
	1.8	Load distance, centre of drive axle to fork ■ x (mm)	190	150 ✦	205 ✦✦
	1.9	Wheelbase y (mm)	1534.5	1574.5	1674.5
WEIGHTS	2.1	Service weight ▼ kg	2890	3259	4073
	2.2	Axle loading, laden front/rear kg	1060 / 2830	1509 / 2750	1763 / 3310
	2.3	Axle loading, unladen front/rear kg	1650 / 1240	1942 / 1317	2204 / 1869
TYRES / CHASSIS	3.1	Tyres: polyurethane, topthane, vulkollan, front/rear	Vulkollan/Vulkollan	Vulkollan/Vulkollan	Vulkollan/Vulkollan
	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, mast lowered h_1 (mm)	3070	3320	3720
	4.3	Free lift h_2 (mm)	-	-	-
	4.4	Lift h_3 (mm)	4670	5170	8895
	4.5	Height, mast extended ❍ ❑ h_4 (mm)	7040	7540	11265
	4.7	Height of overhead guard (cabin) ❍ ❑ 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 ◗ h_{13} (mm)	80	80	80
	4.19	Overall length ■ l_1 (mm)	3087	3087	3242
	4.20	Length to face of forks ■ 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 DIN ISO 2331 ● s/e/l (mm)	60 / 180 / 1140	60 / 180 / 1140	60 / 180 / 1140
	4.23	Fork carriage ISO 2328, class/type A, B	No	No	No
	4.24	Fork-carriage width ◇ b_3 (mm)	780 ❖	780 ❖	780 ❖
	4.25	Distance between fork-arms ☐ b_5 (mm)	560 ✚	560 ✚	560 ✚
	4.27	Width across guide rollers b_6 (mm)	1130 ✶	1230 ◢	1430
	4.31	Ground clearance, laden, below mast m_1 (mm)	80	80	80
	4.32	Ground clearance, centre of wheelbase ◆ m_2 (mm)	60	60	60
	4.33	Load dimension $b_{12} \times l_6$ lengthwise $b_{12} \times l_6$ (mm)	800 x 1200	800 x 1200	800 x 1200
	4.34.1	Transfer aisle width for pallets 1000mm x 1200mm lengthwise ♦ A_{st} (mm)	4737	4816	5015
	4.34.2	Transfer aisle width for pallets 1000mm x 1200mm lengthwise ♦ A_{st} (mm)	4721	4800	4999
	4.35	Turning radius W_a (mm)	1757	1797	1897
PERFORMANCE DATA	5.1	Travel speed, laden/unladen km/h	8.8 / 9.0	8.8 / 9.0	8.8 / 9.0
	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	0.2 / 0.24	0.2 / 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
POWER UNIT	6.1	Drive motor S2 60 minute rating kW	6.4	6.4	6.4
	6.2	Lift 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)	48V / 310Ah ⟐	48V / 465Ah ◎	48V / 620Ah ☉
	6.5	Battery weight ▼ kg	541	746	937
	6.6	Energy consumption according to VDI cycle kWh/h @ Nr of Cycles	3.27	3.27	3.27
DRIVE / LIFT MECHANISM	8.1	Type of drive unit	AC-Controller	AC-Controller	AC-Controller
ADDITIONAL DATA	10.7	Sound pressure level at the driver's seat	59	59	59

Specification data is based on VDI 2198

TRUCK DIMENSIONS

K1.0M-K1.0H





MAST INFORMATION – 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)	Fork Lift H (mm) △★	Height, mast lowered h_1 (mm)	Height, mast extended h_4 (mm)	Stand height, elevated h_{12} (mm)
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

MAST TABLE-3 STG SL

Lift Height h_3 (mm)	Fork Lift H (mm) ★	Height, mast lowered h_1 (mm)	Height, mast extended h_4 (mm)	Stand height, elevated h_{12} (mm)
4845	5695 △	2370	7215	5095
4995	5845	2420	7365	5245
5145	5995 △	2470	7515	5395
5295	6145	2520	7665	5545
5445	6295	2570	7815	5695
5595	6445	2620	7965	5845
5745	6595 △	2670	8115	5995
5895	6745	2720	8265	6145
6045	6895	2770	8415	6295
6195	7045	2820	8565	6445
6345	7195 △	2870	8715	6595
6495	7345	2920	8865	6745
6645	7495	2970	9015	6895
6795	7645	3020	9165	7045
6945	7795 △	3070	9315	7195
7095	7945	3120	9465	7345
7245	8095	3170	9615	7495
7395	8245	3220	9765	7645
7545	8395 △	3270	9915	7795
7695	8545	3320	10065	7945
7845	8695	3370	10215	8095
7995	8845	3420	10365	8245
8145	8995 △	3470	10515	8395
8295	9145	3520	10665	8545
8445	9295	3570	10815	8695
8595	9445	3620	10965	8845
8745	9595 △	3670	11115	8995
8895	9745	3720	11265	9145

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.

- ■ With FEM carriage and Forks 100x35 add + 25mm.
- ✦ With TX mast add 55mm
- ✦✦ With DX mast reduce 55mm
- ❍ With Lift interrupt mounted on OHG: h_6 e h_4 are increased by 105mm
- ❑ With flashing light fitted on Over Head Guard: h_6 e h_4 are increased by 120 mm
- ◗ With Fem like carriage and Forks 80x30 and 100x35 h_{13} = 40 mm
- ● Available also FEM like carriage and fork size 100x35 with 1000 Kg @ 600 mm
- ◇ With FEM like carriage b3 = 800mm
- □ With FEM like carriage and Forks 100x35 b_5 max = 773mm.
- ◆ Sensor height 30mm from the ground
- ◈ Additional battery available: 48/280 (541kg)
- ◎ Additional battery available: 48/420 (746kg)
- ⊙ Additional battery available: 48/560 (937kg)
- ❖ Available 700mm and 860mm
- ✚ Available 520mm, 680mm, 830mm
- ✶ Available 1075mm and 1330mm
- ◢ Available 1175mm and 1430mm
- ▼ These values may vary of +/- 5%
- ♦ Transfer aisle width (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

MAST TABLES:

- △ For models WP -690mm
- ★ Note for SL model: with Fem like carriage and forks 80 x 30 mm and 100 x 35 mm H -40 mm

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 the mast tilt in either direction is kept to a minimum when loads are elevated.

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.

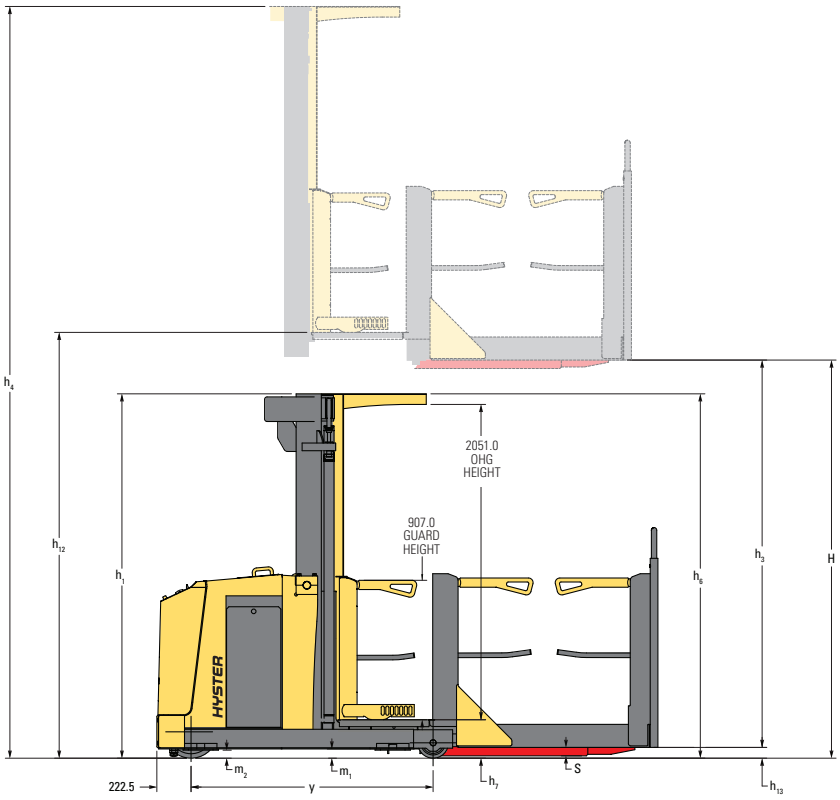
K1.0H WP

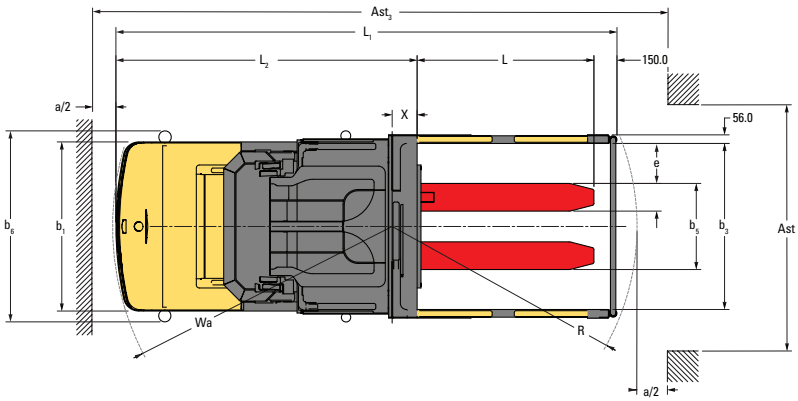
DISTINGUISHING MARKS	1.1	Manufacturer (abbreviation)		HYSTER		HYSTER	
	1.2	Manufcturer's type designation		K1.0H WP		K1.0H WP	
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		Battery		Battery	
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Order-picker		Order-picker	
	1.5	Rated capacity / Rated load	Q (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	
WEIGHTS	2.1	Service weight ▼	kg	3343		4161	
	2.2	Axle loading, laden front/rear	kg	1539	2804	1573	3588
	2.3	Axle loading, unladen front/rear	kg	1992	1351	2154	2007
TYRES / CHASSIS	3.1	Tyres: polyurethane, topthane, vulkollan, front/rear		Vulkollan/Vulkollan		Vulkollan/Vulkollan	
	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, mast lowered	h_1 (mm)	3320		3470	
	4.3	Free lift	h_2 (mm)	-		-	
	4.4	Lift	h_3 (mm)	5170		8145	
	4.5	Height, mast extended ❍ ■	h_4 (mm)	7540		10515	
	4.7	Height of overhead guard (cabin) ❍ ■	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 DIN ISO 2331	s/e/l (mm)	60	180 1150	60	180 1150
	4.23	Fork carriage ISO 2328, class/type 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 ●		1430	
	4.31	Ground clearance, laden, below mast	m_1 (mm)	80		80	
	4.32	Ground clearance, centre of wheelbase	m_2 (mm)	60		60	
	4.33	Load dimension $b_{12} \times l_6$ lengthwise	$b_{12} \times l_6$ (mm)	1000 x 1200		1200 x 1200	
	4.34	Transfer aisle width ☐	A_{st} (mm)	3575		3715	
	4.35	Turning radius	W_a (mm)	1798		1898	
PERFORMANCE DATA	5.1	Travel speed, laden/unladen	km/h	8.8	9.0	8.8	9.0
	5.2	Lift speed, laden/unladen (Cab)	m/s	0.37	0.43	0.37	0.43
	5.3	Lowering speed, laden/unladen (Cab)	m/s	0.38	0.38	0.38	0.38
	5.7	Gradeability, laden/unladen	%	-		-	
	5.10	Service brake		Electromagnetic		Electromagnetic	
POWER UNIT	6.1	Drive motor, S2 60 minute rating	kW	6.4		6.4	
	6.2	Lift 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)	48V	465Ah ◎	48V	620Ah ☉
	6.5	Battery weight ▼	kg	746		937	
	6.6	Energy consumption according to VDI cycle	kWh/h @ Nr of Cycles	3.27		3.27	
DRIVE / LIFT MECHANISM	8.1	Type of drive unit		AC-Controller		AC-Controller	
ADDITIONAL DATA	10.7	Sound pressure level at the driver's seat		< 70		< 70	

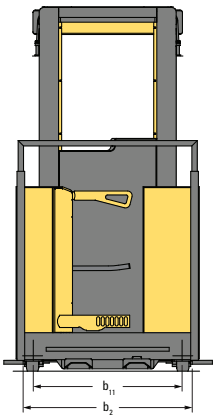
Specification data is based on VDI 2198

TRUCK DIMENSIONS – K10L AC 48 WP

K1.0H WP







FORKS:

K1.0H WP 60 x 180 x 1 150 mm long

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.

- ■ With Lift interrup mounted on OHG: h_6 e h_4 are increased by 105mm
- ✦ With flashing light fitted on Over Head Guard: h_6 e h_4 are increased by 120 mm
- ◎ Additional battery available: 48/420 (746kg)
- ⊙ Additional battery available: 48/560 (937kg)
- ▼ These values may vary of +/- 5%
- ● Available 1175 mm and 1430 mm
- ◇ Transfer aisle width (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.
- △ For models WP -770 mm

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 the mast tilt in either direction is kept to a minimum when loads are elevated.

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.

STANDARD EQUIPMENT AND OPTIONS

	Feature	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
OPERATOR COMPARTMENT	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 ✔	o	o
	Wire guidance (5.2 / 6.25 / 7.0 / 10 kHz)	-	-	o ✔	o	o
	End of aisle control options (slow down / stop) via floor magnets	-	-	o ✔	o	o
OPTIONS	Flashing beacon	o	o	o ❒	x	x
	Dome light	-	-	o	o	o ▲
	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 ✢
	Chassis width b_2 (mm)	796	780	950	1000	1100-1200 ▼
	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 6
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 ←	-	-

NOTE:

✔ With 2 stage mast only (Raised platform height (h12) =3200-4800 mm)

❒ Required option (Raised platform height (h12) > 1200 mm)

▲ With 2 stage mast only

✢ With walk-on pallet cage - 1140 / 1340 mm

▼ From raised platform height (h12) = 8450 mm, 1200 mm chassis required

← 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

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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