K1.0 SERIES

MEDIUM AND HIGH LEVEL ORDER PICKER

Product Technical Guide

HYSTER

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	1391			1391			1391					
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[5]	s/e/l	mm	60	180	1140				60	180	1155	60	180	1140
	4-23	Fork carriage ISO 2328, Class/form A,B			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 $b_{12} \times l_6$ 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	3270						3226			3291		
	4-34-2	Transfer aisle width for pallets 800mm x 1200mm lengthwise[17]	A_{st}	mm	3238						3193			3260		
	4-35	Turning radius	W_a	mm	1636						1636			1636		
PERFORMANCE	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		
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 K_5		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			158			158		
	1-9	Wheelbase	y	mm	1391			1391			1511			1511		
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 [5]	s/e/l	mm	60	180	1140	60	180	1140	60	180	1140	60	180	1140
	4-23	Fork carriage ISO 2328, Class/form A,B			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	3291			-			3401			-		
	4-34-2	Transfer aisle width for pallets 800mm x 1200mm lengthwise[17]	A_{st}	mm	3260			-			3370			-		
	4-35	Turning radius	W_a	mm	1636			1636			1754			1754		
PERFORMANCE	5-1	Travel speed, laden/unladen		km/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/s	0.11	0.21		0.15	0.20		0.15	0.20		0.15	0.20	
	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	0.26	0.14		0.28	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 K_5		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

	LIFT HEIGHT H_3 MM	FREE LIFT (PALLET FORKS) H MM [1] [2]	HEIGHT, MAST LOWERED H_1 MM	HEIGHT, MAST EXTENDED H_4 MM	STAND HEIGHT, ELEVATED H_{12} MM
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 (PALLET FORKS) H MM	HEIGHT, MAST LOWERED H_1 MM	HEIGHT, MAST EXTENDED H_4 MM	STAND HEIGHT, ELEVATED H_{12} MM
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

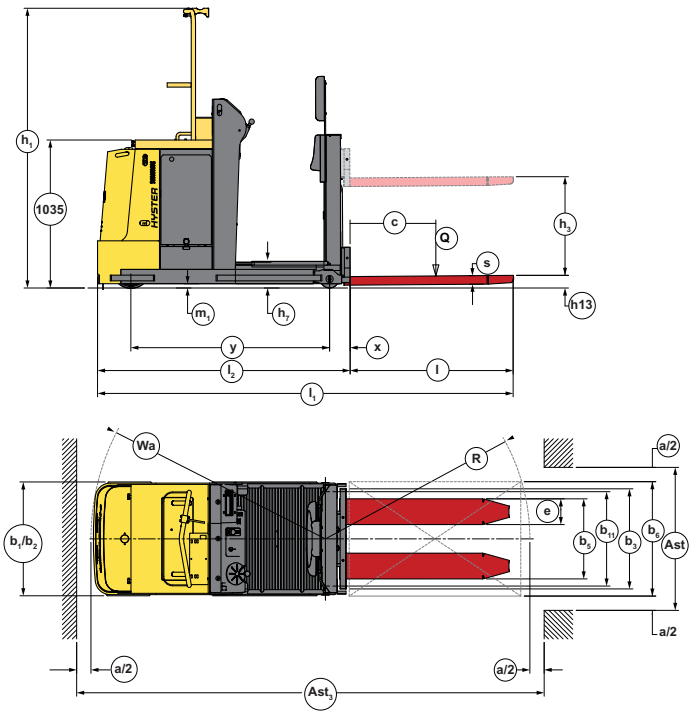
(1) For models WP -690mm

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

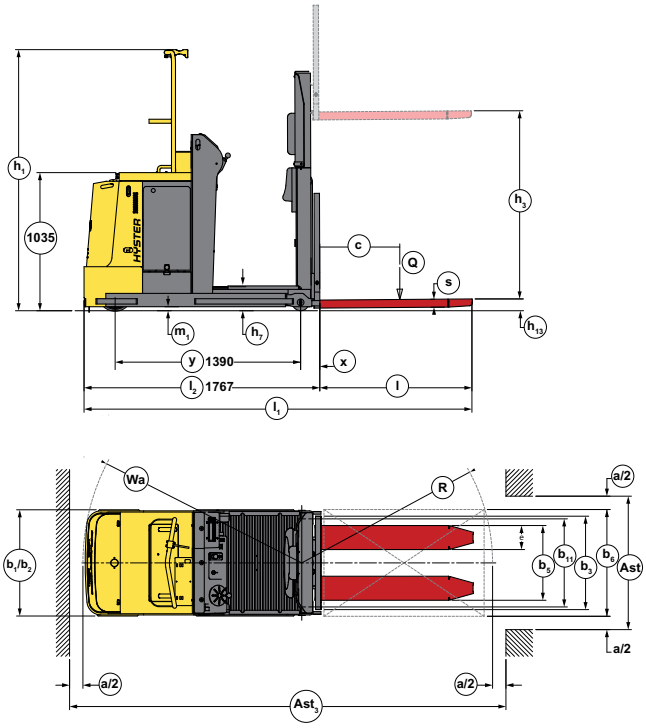
All values are nominal values and they are subject to tolerances. For further information, please contact the manufacturer. Hyster products might be subject to change without notice. Lift trucks illustrated may feature optional equipment. Values may vary with alternative configurations.

TRUCK DIMENSIONS

K1.0L AC 0.7 FC

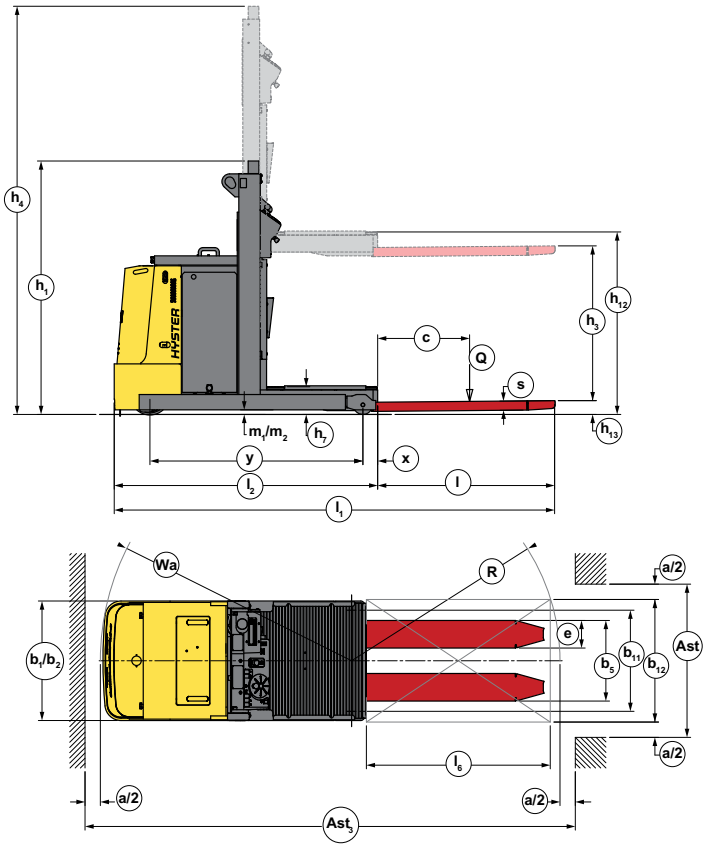


K1.0L AC 1.4 FC

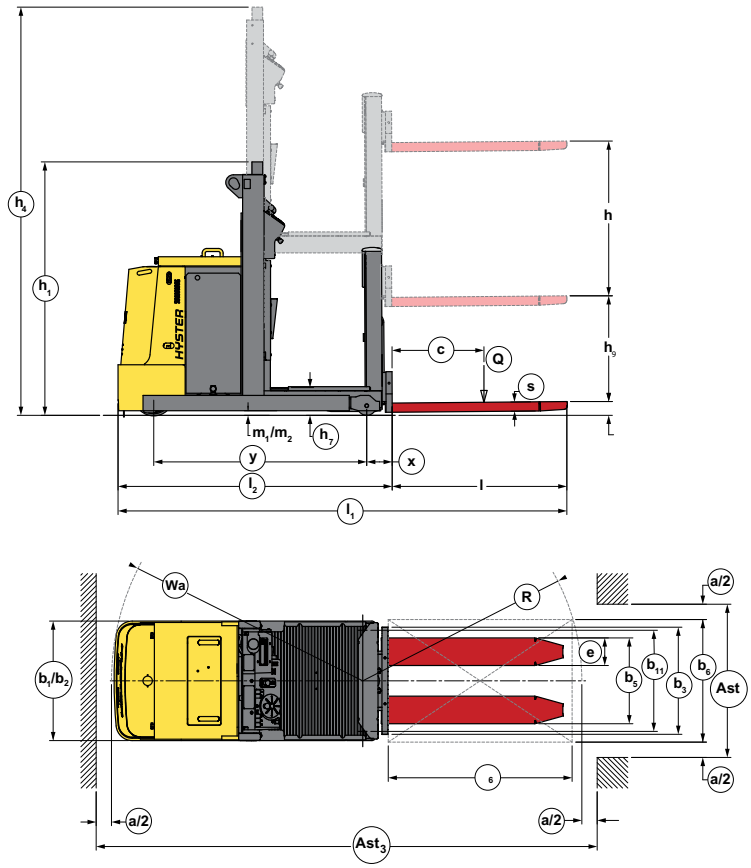


TRUCK DIMENSIONS

K1.0L AC 1.2

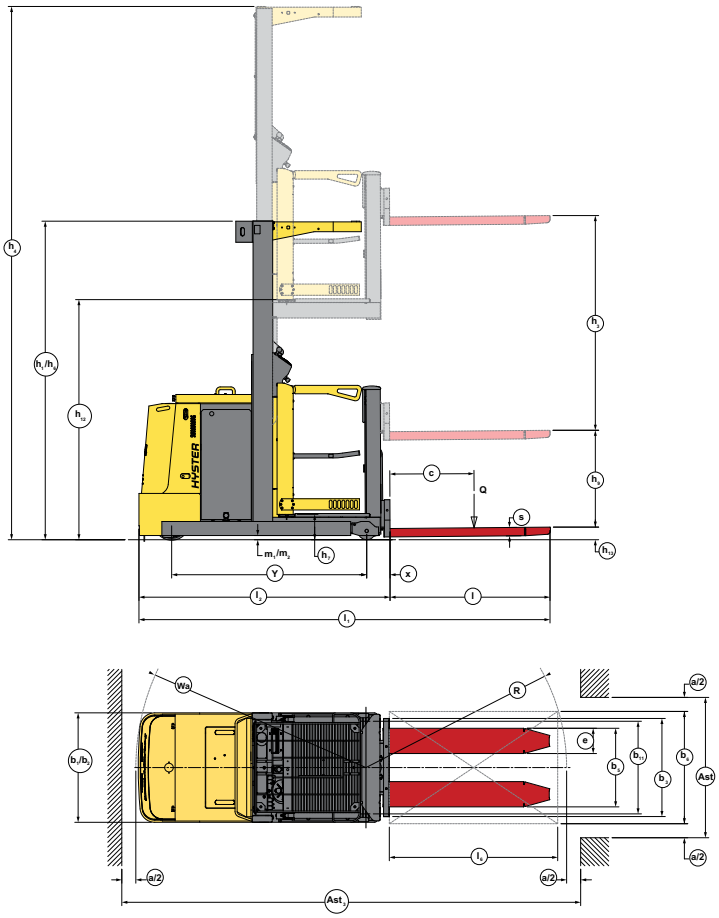


K1.0L AC 1.2 SL

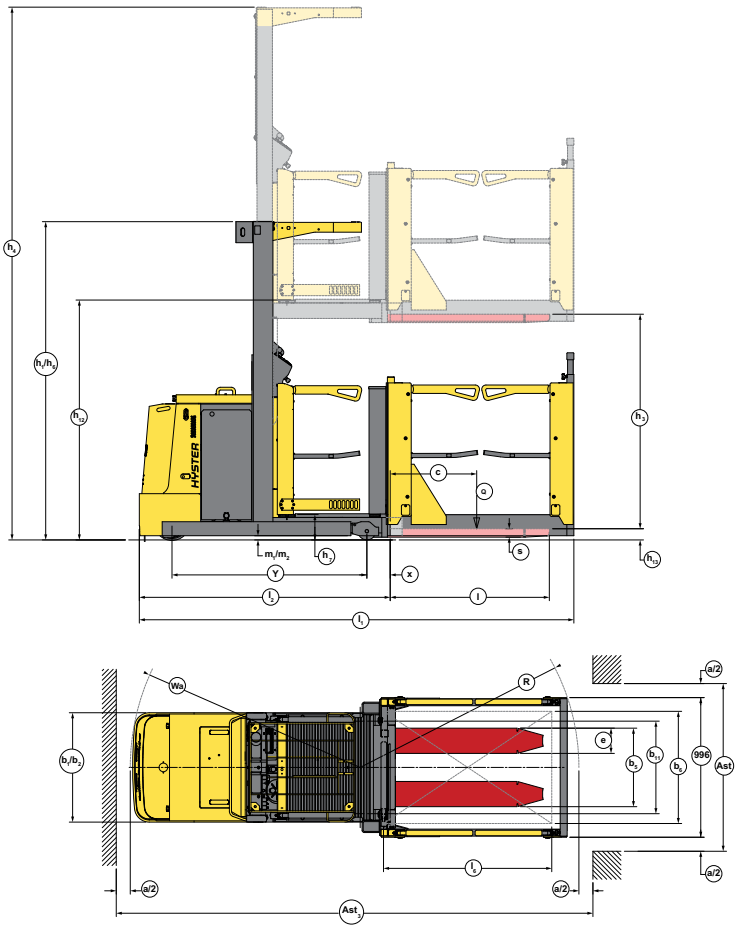


TRUCK DIMENSIONS

K1.0L AC 1.9 SL

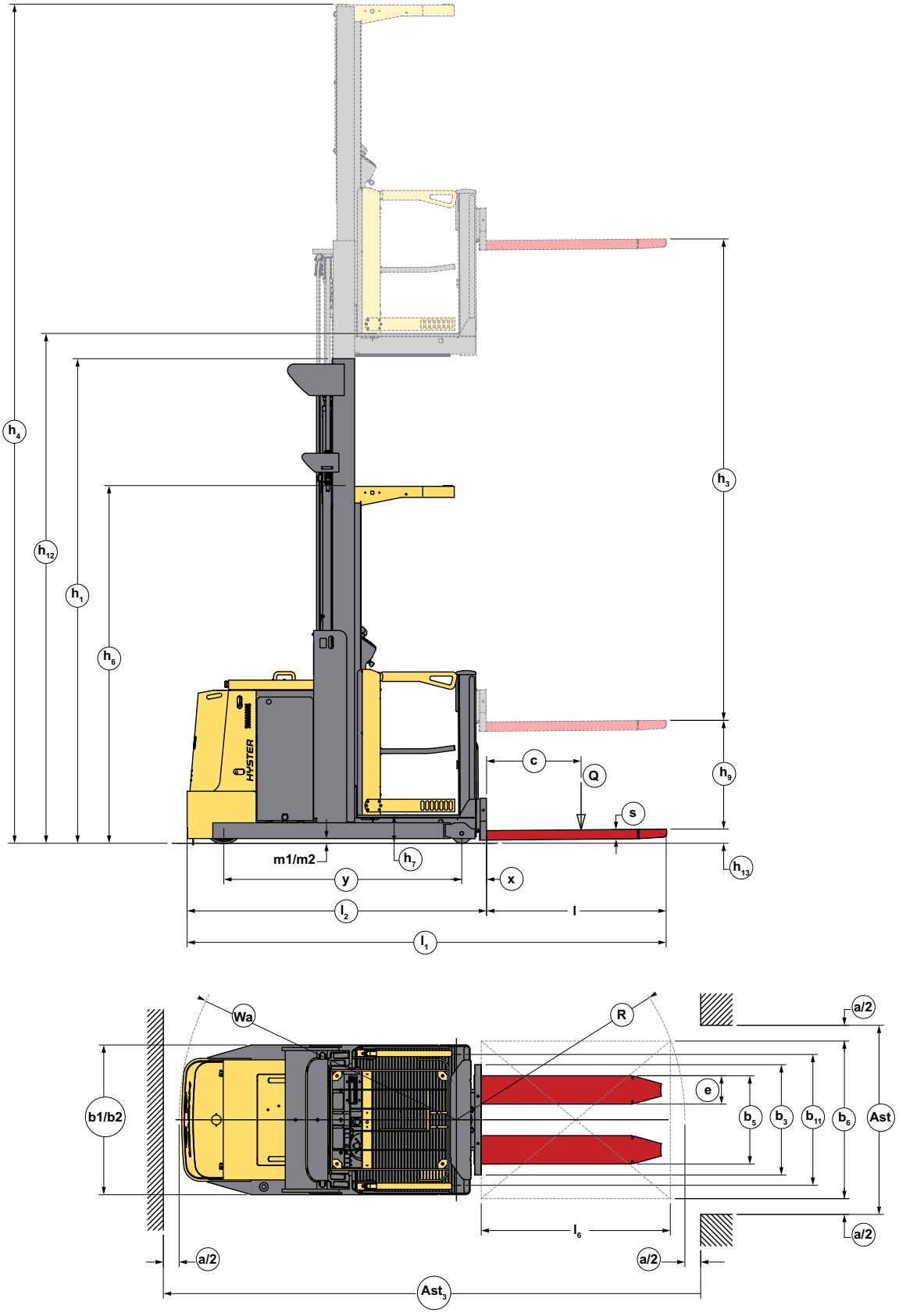


K1.0L AC 1.9 WP



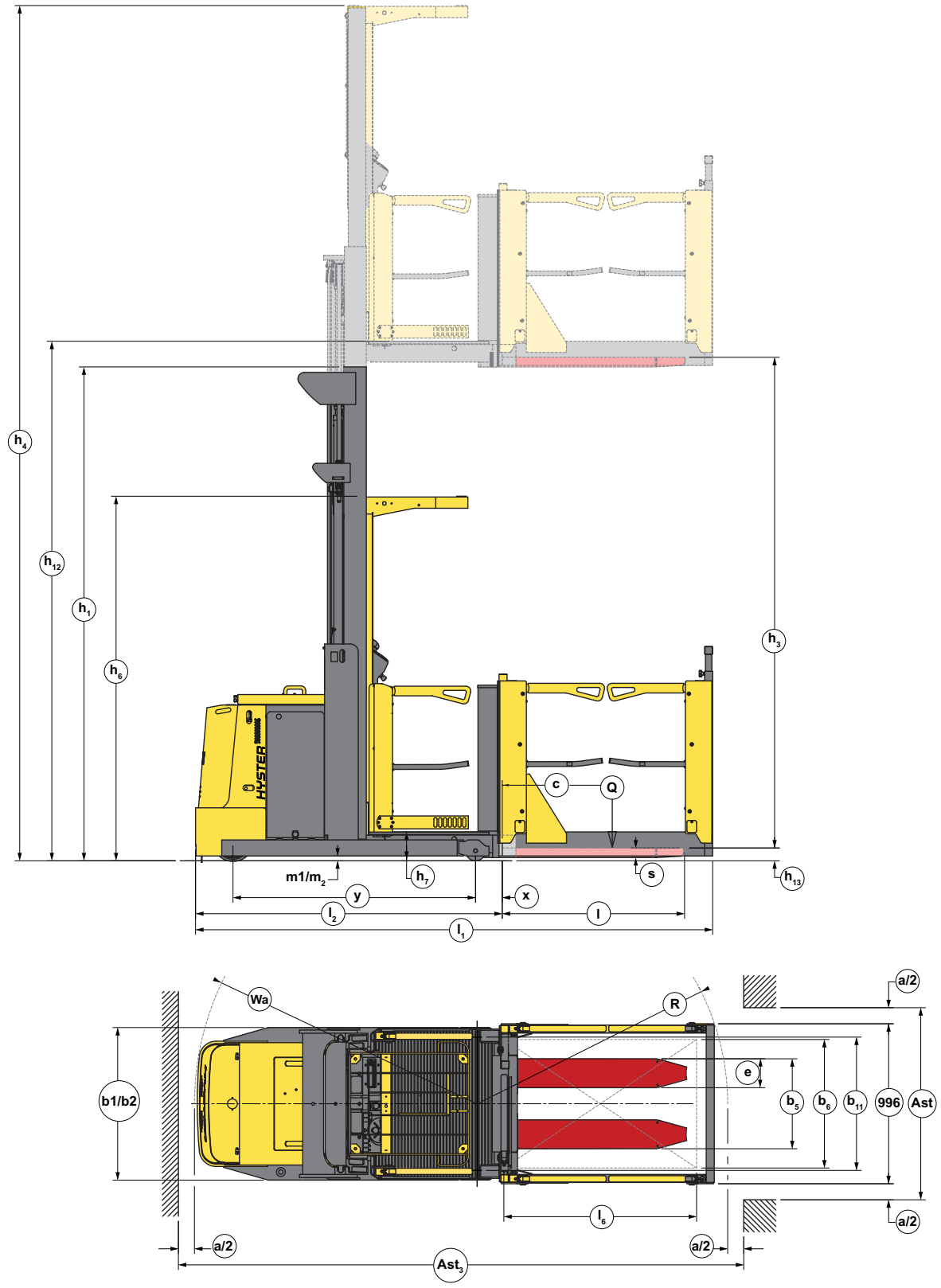
TRUCK DIMENSIONS

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:

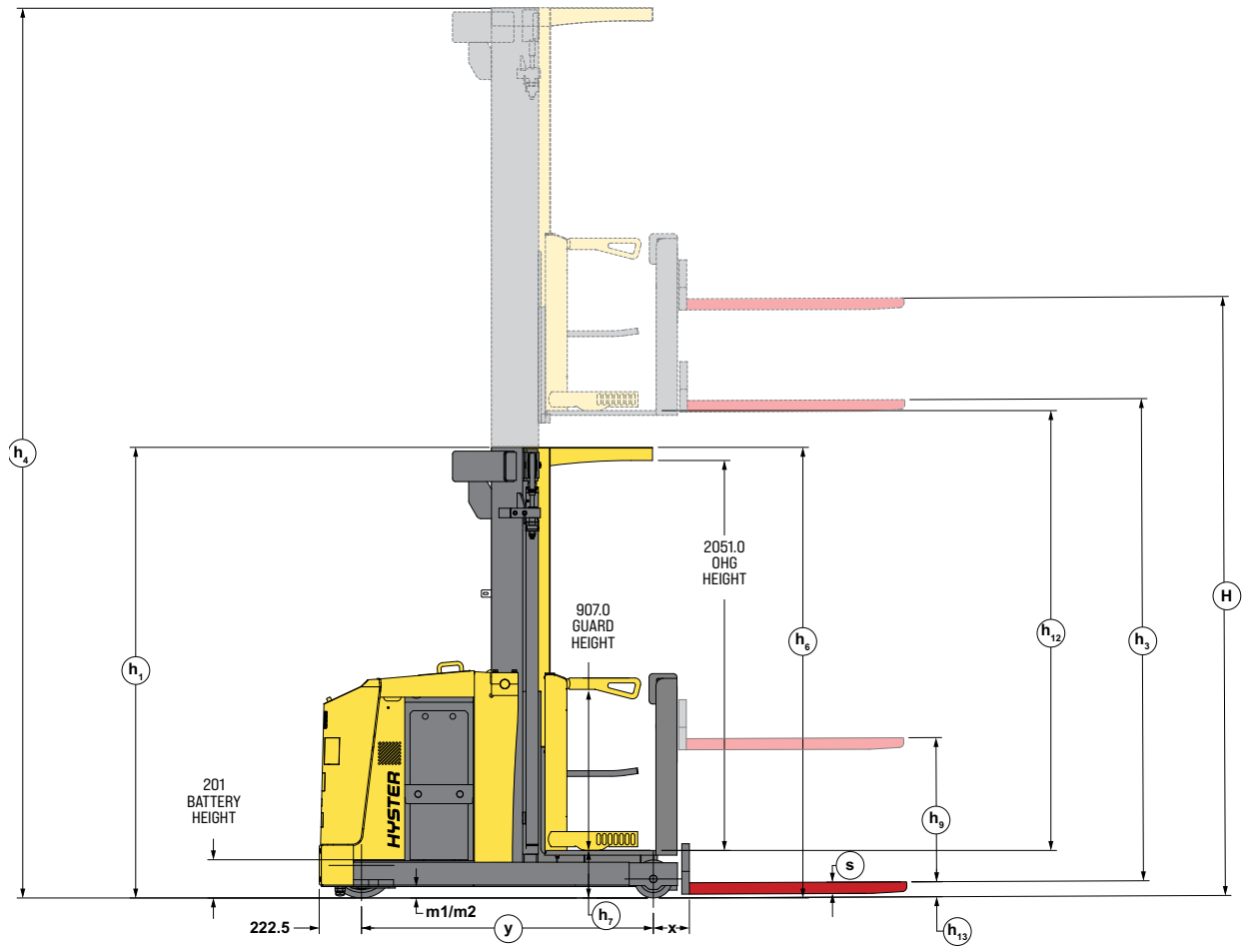
Care must be exercised when handling elevated loads. Operators must be trained and must read, understand and follow the instructions contained in the Operating Manual. All values are nominal values and they are subject to tolerances. For further information, please contact the manufacturer. Hyster products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

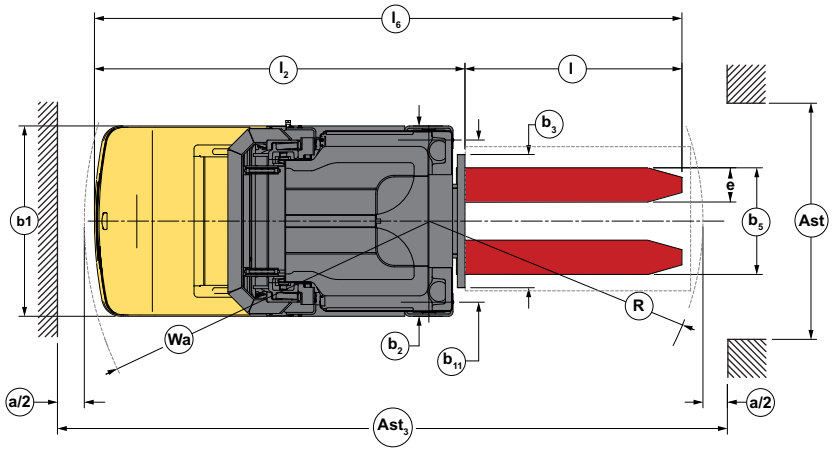
CE Safety: This truck conforms to the current EU requirements.

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.
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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:

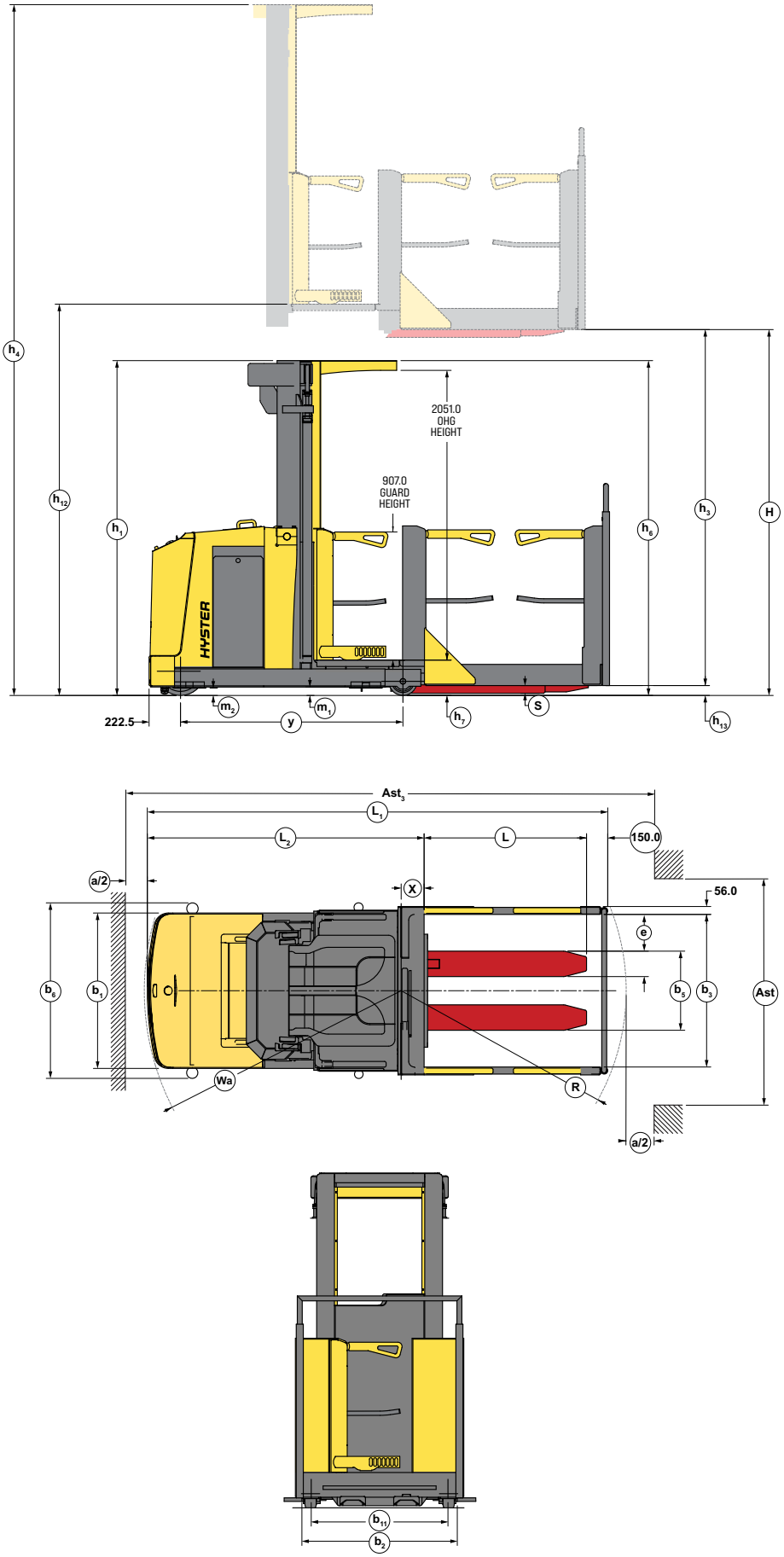
Care must be exercised when handling elevated loads. Operators must be trained and must read, understand and follow the instructions contained in the Operating Manual. All values are nominal values and they are subject to tolerances. For further information, please contact the manufacturer. Hyster products 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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10004925

Safety: This truck conforms to the current EU requirements

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