

# W1.2-1.5UT(L) SERIES

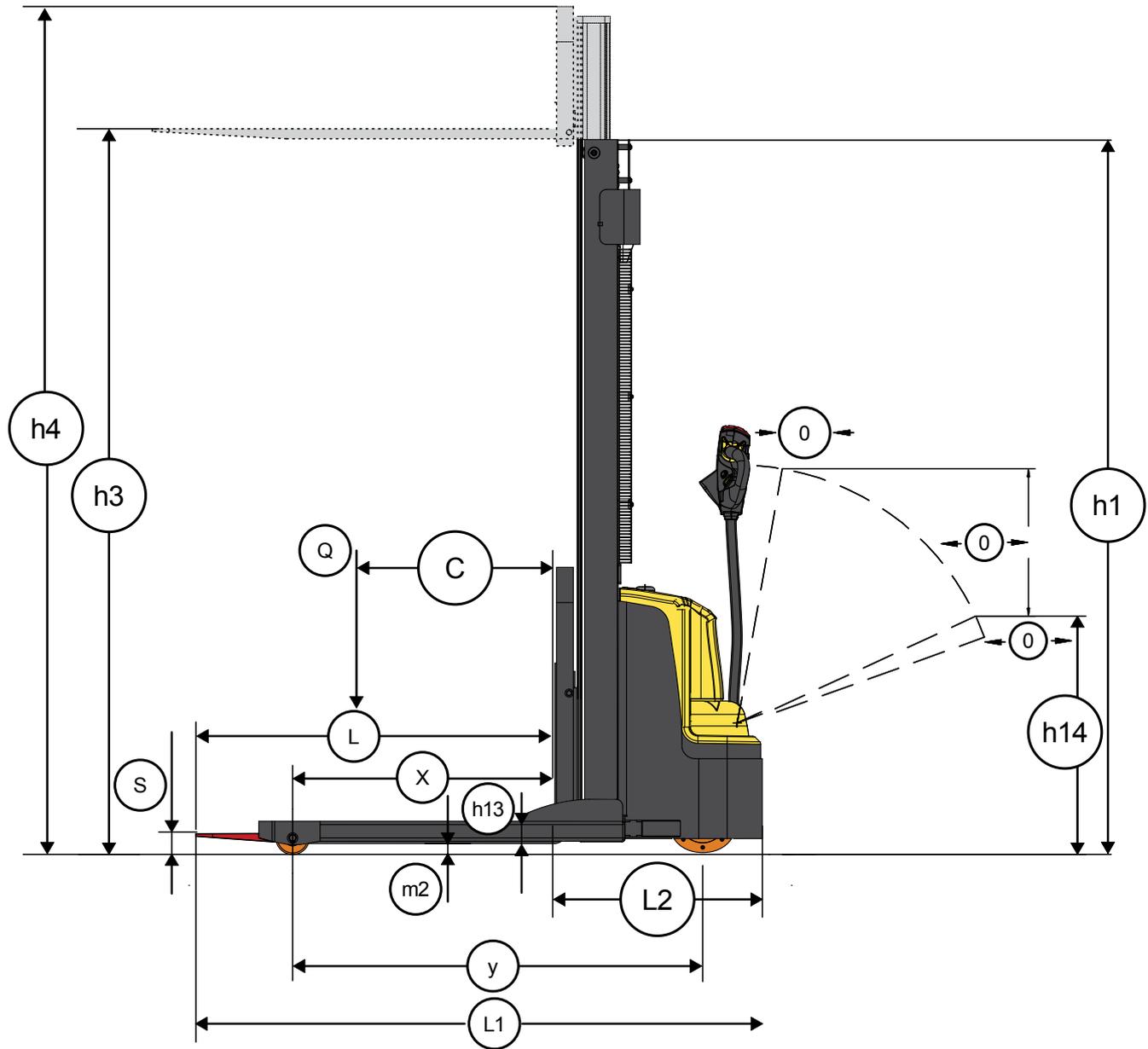
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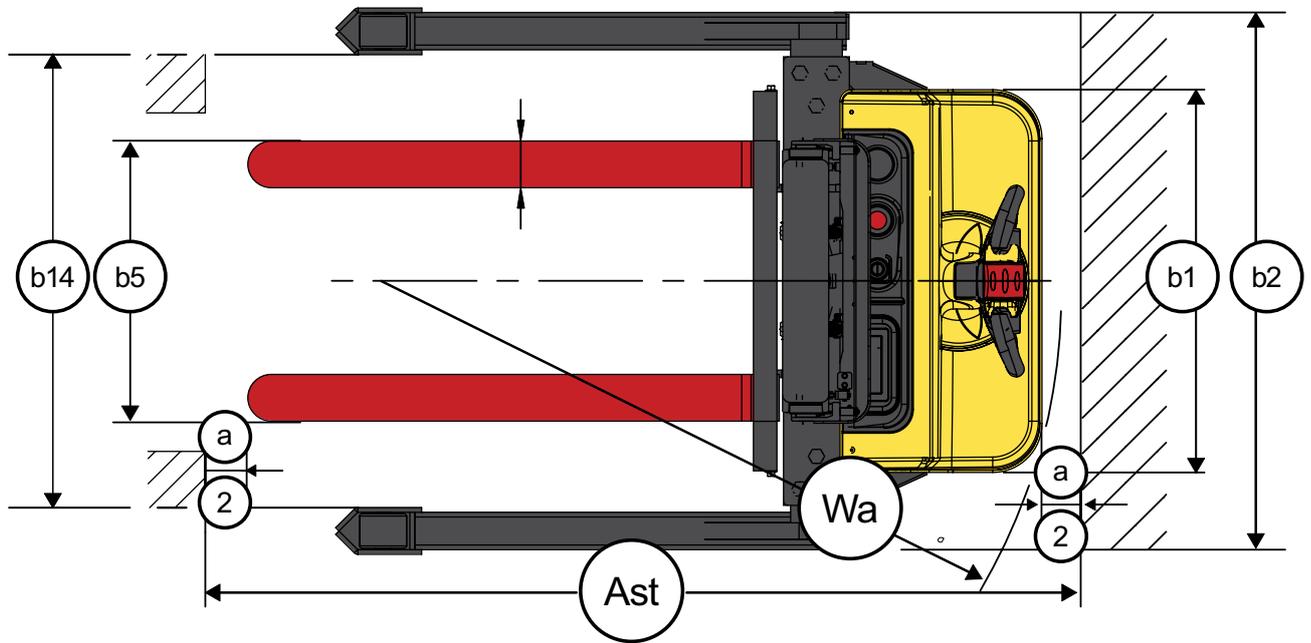
**PEDESTRIAN STRADDLE  
LEG STACKER**  
Product Technical Guide



# W1.2-1.5UT(L) DIMENSIONS



# W1.2-1.5UT(L) DIMENSIONS



# W1.2UT(L) SPECIFICATIONS

			Hyster						
			W1.2UT(L)						
GENERAL	1-1	Manufacturer		Hyster					
	1-2	Model designation		W1.2UT(L)					
	1-3	Drive: electric (battery or mains), diesel, gasoline, LPG		Electric (battery)					
	1-4	Operator type: hand, pedestrian, standing, seated, order-picker		Pedestrian					
	1-5	Load capacity/rated load	Q	lb (kg)	2600 (1200)				
	1-6	Load centre distance	c	in (mm)	23.62 (600)				
	1-7	Load distance, centre of drive axle to fork	x	in (mm)	29.61 (752)				
	1-8	Wheelbase	y	in (mm)	49 (1245)				
WEIGHT	2-1	Service weight (without battery)		1276 (580)	1327 (603)	1393 (633)	1463 (665)	1542 (701)	
	2-2	Service weight (with 60Ah Li-battery)		1313 (597)	1364 (620)	1430 (650)	1500 (682)	1580 (718)	
	2-3	Service weight (with 100Ah Li-battery)		1329 (604)	1379 (627)	1445 (657)	1516 (689)	1595 (725)	
	2-4	Service weight (with battery 71Ah)		1378 (626.4)	1429 (649.4)	1495 (679.4)	1565 (711.4)	1644 (747.4)	
	2-5	Service weight (with battery 89Ah)		1390 (631.6)	1440 (654.6)	1506 (684.6)	1577 (716.6)	1656 (752.6)	
	2-6	Axle loading, laden front / rear (2.5m lifting height)		1201 / 2803 (546 / 1274)					
	2-7	Axle loading, unladen front / rear (2.5m lifting height)		1023 / 341 (465 / 155)					
TYRES	3-1	Wheels		Polyurethane					
	3-2	Wheel size, front	Ø x width	8.27x2.76 (210x70)					
	3-3	Wheel size, rear	Ø x width	3.94x2.52 (100x64)					
	3-4	Wheels, number front/rear (x = driven wheels)		1x +0 / 2 or 1x +2 / 2 (with balance wheel)					
	3-5	Tread, front (equipped with balance wheel)	b10	26.2 (665.5)					
	3-6	Tread, rear	b11	41.73 (1060) / 47.24 (1200) / 52.76 (1340)					
DIMENSIONS	4-1	Lowered mast height	h1	in (mm)	58.27 (1480)	68.11 (1730)	77.95 (1980)	83.86 (2130)	87.8 (2230)
	4-2	Lift height	h3	in (mm)	78.74 (2000)	98.43 (2500)	118.11 (3000)	129.92 (3300)	137.8 (3500)
	4-3	Extended mast height	h4	in (mm)	110.24 (2800)	129.92 (3300)	149.61 (3800)	161.42 (4100)	169.3 (4300)
	4-4	Height of tiller in driving position, min./max.	h14	in (mm)	35.83 / 50 (910 / 1270)				
	4-5	Height, lowered	h13	in (mm)	3.15 (80)				
	4-6	Overall length (1070mm fork length)	l1	in (mm)	67 (1705) [Standard 42" (1070) fork length]				
	4-7	Length to face of forks	l2	in (mm)	25 (635)				
	4-8	Overall width across chassis	b1	in (mm)	32.28 (820)				
	4-9	Overall width across all/outer width straddle	b2	in (mm)	44.7 / 50.2 / 55.7 (1135/1275/1415)				
	4-10	Inner width straddle	b14	in (mm)	38.2 / 43.7 / 49.2 (970/1110/1250)				
	4-11	Fork dimensions (40 x 100 x 1070mm)	s/e/l	in (mm)	1.58 x 3.94 x 42 (45.3 / 48) [40 X 100 X 1070 (1150/1220)]				
	4-12	Width over forks (adjustable)	b5	in (mm)	7.87-31.3 [200-795] [Adjustable]				
	4-13	Ground clearance, centre of wheelbase	m2	in (mm)	1.58 (40)				
	4-14	Aisle width for pallets 1000 x 1200 crossways	Ast	in (mm)	90.16 (2290)				
	4-15	Aisle width for pallets 800 x 1200 lengthways	Ast	in (mm)	87.28 (2217)				
	4-16	Turning radius	Wa	in (mm)	56.6 (1455)				
PERFORMANCE	5-1	Travel speed, with/without load		mph (km/h)	2.49 / 2.8 (4 / 4.5)				
	5-2	Lift speed, without load		in/s (mm/s)	0-9.06 (0-230)				
	5-3	Lift speed, with load		in/s (mm/s)	0-4.84 (0-123)				
	5-4	Lowering speed, without load		in/s (mm/s)	1.02-10.94 (26-278)				
	5-5	Lowering speed, with load		in/s (mm/s)	1.1-6.46 (28-164)				
	5-6	Max. gradeability, with/without load		%	5/10				
	5-7	Service brake			Electromagnetic				
ELECTRIC	6-1	Drive motor rating S2 60 min		kW	0.75				
	6-2	Lift motor rating at S3 15%		kW	2.5				
	6-3	Battery voltage/nominal capacity K5 (Li-battery)		V/Ah	24V / 60Ah x 1 / 24V / 100Ah x 1				
	6-4	Battery voltage/nominal capacity K5 (Lead-acid battery)		V/Ah	12V / 71Ah x 2 / 12V / 89Ah x 2				
	6-5	Battery weight +/- 5% (Li-battery)		lb (kg)	14kg (60Ah) / 24kg (100Ah)				
	6-6	Battery weight +/- 5% (Lead-acid battery)		lb (kg)	23.3 x 2 (71Ah) / 25.8 x 2 (89Ah)				
	6-7	Energy consumption according to EN 16796		kWh	0.42				
ADDITION	7-1	Type of drive control			DC speed control				
	7-2	Sound level at the driver's ear according to EN 12053		dB(A)	<75				

Truck performance and dimensions are nominal and subject to tolerances. Hyster products and specifications are subject to change without notice.

# W1.5UT(L) SPECIFICATIONS

GENERAL	1-1	Manufacturer			Hyster				
	1-2	Model designation			W1.5UT(L)				
	1-3	Drive: electric (battery or mains), diesel, gasoline, LPG			Electric (battery)				
	1-4	Operator type: hand, pedestrian, standing, seated, order-picker			Pedestrian				
	1-5	Load capacity/rated load	Q	lb (kg)	3300 (1500)				
	1-6	Load centre distance	c	in (mm)	23.62 (600)				
	1-7	Load distance, centre of drive axle to fork	x	in (mm)	29.61 (752)				
	1-8	Wheelbase	y	in (mm)	49 (1245)				
WEIGHT	2-1	Service weight (without battery)		lb (kg)	1280 (581.6)	1330 (604.6)	1396 (634.6)	1467 (666.6)	1546 (702.6)
	2-2	Service weight (with 60Ah Li-battery)		lb (kg)	1317 (598.6)	1368 (621.6)	1434 (651.6)	1504 (683.6)	1583 (719.6)
	2-3	Service weight (with 100Ah Li-battery)		lb (kg)	1332 (605.6)	1383 (628.6)	1449 (658.6)	1519 (690.6)	1599 (726.6)
	2-4	Service weight (with battery 71Ah)		lb (kg)	1382 (628)	1432 (651)	1498 (681)	1569 (713)	1648 (749)
	2-5	Service weight (with battery 89Ah)		lb (kg)	1393 (633.2)	1444 (656.2)	1510 (686.2)	1580 (718.2)	1659 (754.2)
	2-6	Axle loading, laden front / rear (2.5m lifting height)		lb (kg)	1401/3267 (636.6 / 1485)				
	2-7	Axle loading, unladen front / rear (2.5m lifting height)		lb (kg)	1025/342 (466 / 155.6)				
TYRES	3-1	Wheels			Polyurethane				
	3-2	Wheel size, front	Ø x width	in (mm)	8.27x2.76 (210x70)				
	3-3	Wheel size, rear	Ø x width	in (mm)	3.94x2.52 (100x64)				
	3-4	Wheels, number front/rear (x = driven wheels)			1x +0 / 2 or 1x +2 / 2 (with balance wheel)				
	3-5	Tread, front (equipped with balance wheel)	b10	in (mm)	26.2 (665.5)				
	3-6	Tread, rear	b11	in (mm)	41.73 (1060) / 47.24 (1200) / 52.76 (1340)				
DIMENSIONS	4-1	Lowered mast height	h1	in (mm)	58.27 (1480)	68.11 (1730)	77.95 (1980)	83.86 (2130)	87.8 (2230)
	4-2	Lift height	h3	in (mm)	78.74 (2000)	98.43 (2500)	118.11 (3000)	129.92 (3300)	137.8 (3500)
	4-3	Extended mast height	h4	in (mm)	110.24 (2800)	129.92 (3300)	149.61 (3800)	161.42 (4100)	169.3 (4300)
	4-4	Height of tiller in driving position, min./max.	h14	in (mm)	35.83 / 50 (910 / 1270)				
	4-5	Height, lowered	h13	in (mm)	3.15 (80)				
	4-6	Overall length (1070mm fork length)	l1	in (mm)	67 (1705) [Standard 42" (1070) fork length]				
	4-7	Length to face of forks	l2	in (mm)	25 (635)				
	4-8	Overall width across chassis	b1	in (mm)	32.28 (820)				
	4-9	Overall width across all/outer width straddle	b2	in (mm)	44.7 / 50.2 / 55.7 (1135/1275/1415)				
	4-10	Inner width straddle	b14	in (mm)	38.2 / 43.7 / 49.2 (970/1110/1250)				
	4-11	Fork dimensions (40 x 100 x 1070mm)	s/e/l	in (mm)	1.58 x 3.94 x 42 (45.3 / 48) [40 X 100 X 1070 (1150/1220)]				
	4-12	Width over forks (adjustable)	b5	in (mm)	7.87-31.3 [200-795] [Adjustable]				
	4-13	Ground clearance, centre of wheelbase	m2	in (mm)	1.58 (40)				
	4-14	Aisle width for pallets 1000 x 1200 crossways	Ast	in (mm)	90.16 (2290)				
	4-15	Aisle width for pallets 800 x 1200 lengthways	Ast	in (mm)	87.28 (2217)				
	4-16	Turning radius	Wa	in (mm)	56.6 (1455)				
PERFORMANCE	5-1	Travel speed, with/without load		mph (km/h)	2.49 / 2.8 (4 / 4.5)				
	5-2	Lift speed, without load		in/s (mm/s)	0-7.28 (0-185)				
	5-3	Lift speed, with load		in/s (mm/s)	0.4 (0-101)				
	5-4	Lowering speed, without load		in/s (mm/s)	0.85-8.2 (21.7-208)				
	5-5	Lowering speed, with load		in/s (mm/s)	1-5.4 (25.6-137)				
	5-6	Max. gradeability, with/without load		%	5/10				
	5-7	Service brake			Electromagnetic				
ELECTRIC	6-1	Drive motor rating S2 60 min		kW	0.75				
	6-2	Lift motor rating at S3 15%		kW	2.5				
	6-3	Battery voltage/nominal capacity K5 (Li-battery)		V/Ah	"24V / 60Ah x 1 / 24V / 100Ah x 1				
	6-4	Battery voltage/nominal capacity K5 (Lead-acid battery)		V/Ah	12V / 71Ah x 2 / 12V / 89Ah x 2				
	6-5	Battery weight +/- 5% (Li-battery)		lb (kg)	14kg (60Ah) / 24kg (100Ah)				
	6-6	Battery weight +/- 5% (Lead-acid battery)		lb (kg)	23.3 x 2 (71Ah) / 25.8 x 2 (89Ah)				
	6-7	Energy consumption according to EN 16796		kWh	0.42				
ADDITION	7-1	Type of drive control			DC speed control				
	7-2	Sound level at the driver's ear according to EN 12053			dB(A)	<75			

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# W1.5UT(L) (75 X 75 MM) SPECIFICATIONS

				Hyster					
GENERAL	1-1	Manufacturer		W1.5UT(L) (75 x 75 mm)					
	1-2	Model designation		Electric (battery)					
	1-3	Drive: electric (battery or mains), diesel, gasoline, LPG		Pedestrian					
	1-4	Operator type: hand, pedestrian, standing, seated, order-picker		3300 (1500)					
	1-5	Load capacity/rated load	Q	lb (kg)	23.62 (600)				
	1-6	Load centre distance	c	in (mm)	29.61 (715)				
	1-7	Load distance, centre of drive axle to fork	x	in (mm)	49 (1218)				
	1-8	Wheelbase	y	in (mm)					
WEIGHT	2-1	Service weight (without battery)		1276 (580)	1327 (603)	1393 (633)	1463 (665)	1542 (701)	
	2-2	Service weight (with 60Ah Li-battery)		1313 (597)	1364 (620)	1430 (650)	1500 (682)	1580 (718)	
	2-3	Service weight (with 100Ah Li-battery)		1329 (604)	1379 (627)	1445 (657)	1516 (689)	1595 (725)	
	2-4	Service weight (with battery 71Ah)		1378 (626.4)	1429 (649.4)	1495 (679.4)	1565 (711.4)	1644 (747.4)	
	2-5	Service weight (with battery 89Ah)		1390 (631.6)	1440 (654.6)	1506 (684.6)	1577 (716.6)	1656 (752.6)	
	2-6	Axle loading, laden front / rear (2.5m lifting height)		1201 / 2803 (636.6 / 1485)					
	2-7	Axle loading, unladen front / rear (2.5m lifting height)		1023 / 341 (466 / 155.6)					
TYRES	3-1	Wheels		Polyurethane					
	3-2	Wheel size, front	Ø x width	8.27x2.76 (210x70)					
	3-3	Wheel size, rear	Ø x width	4.53x1.93 (100x49)					
	3-4	Wheels, number front/rear (x = driven wheels)		1x +2 / 4 or 1x +2 / 4 (with balance wheel)					
	3-5	Tread, front (equipped with balance wheel)	b10	26.2 (665.5)					
	3-6	Tread, rear	b11	41.73 (1060) / 47.24 (1200) / 52.76 (1340)					
DIMENSIONS	4-1	Lowered mast height	h1	in (mm)	58.27 (1520)	68.11 (1770)	77.95 (2020)	83.86 (2170)	87.8 (2270)
	4-2	Lift height	h3	in (mm)	78.74 (2000)	98.43 (2500)	118.11 (3000)	129.92 (3300)	137.8 (3500)
	4-3	Extended mast height	h4	in (mm)	110.24 (2520)	129.92 (3020)	149.61 (3520)	161.42 (3820)	169.3 (4020)
	4-4	Height of tiller in driving position, min./max.	h14	in (mm)	35.83 / 50 (910 / 1290)				
	4-5	Height, lowered	h13	in (mm)	3.15 (80)				
	4-6	Overall length (1070mm fork length)	l1	in (mm)	67 (1698)				
	4-7	Length to face of forks	l2	in (mm)	25 (628)				
	4-8	Overall width across chassis	b1	in (mm)	32.28 (820)				
	4-9	Overall width across all/outer width straddle	b2	in (mm)	44.7 / 50.2 / 55.7 (1135 / 1275 / 1415)				
	4-10	Inner width straddle	b14	in (mm)	38.8 / 44.3 / 49.8 (985 / 1125 / 1265)				
	4-11	Fork dimensions (40 x 100 x 1070mm)	s/e/l	in (mm)	45.3 / 48 (1150 / 1220)				
	4-12	Width over forks (adjustable)	b5	in (mm)	7.87-31.3 (200-795)				
	4-13	Ground clearance, centre of wheelbase	m2	in (mm)	1.58 (40)				
	4-14	Aisle width for pallets 1000 x 1200 crossways	Ast	in (mm)	90.16 (2290)				
	4-15	Aisle width for pallets 800 x 1200 lengthways	Ast	in (mm)	87.28 (2217)				
	4-16	Turning radius	Wa	in (mm)	56.6 (1455)				
PERFORMANCE	5-1	Travel speed, with/without load		mph (km/h)					
	5-2	Lift speed, without load		2.49 / 2.8 (4 / 4.5)					
	5-3	Lift speed, with load		in/s (mm/s)					
	5-4	Lowering speed, without load		0-7.28 (0-185)					
	5-5	Lowering speed, with load		0.4 (0-101)					
	5-6	Max. gradeability, with/without load		in/s (mm/s)					
	5-7	Service brake		0.85-8.2 (21.7-208)					
ELECTRIC	6-1	Drive motor rating S2 60 min		in/s (mm/s)					
	6-2	Lift motor rating at S3 15%		1.5-4 (25.6-137)					
	6-3	Battery voltage/nominal capacity K5 (Li-battery)		%					
	6-4	Battery voltage/nominal capacity K5 (Lead-acid battery)		5/10					
	6-5	Battery weight +/- 5% (Li-battery)		Electromagnetic					
	6-6	Battery weight +/- 5% (Lead-acid battery)		0.75					
	6-7	Energy consumption according to EN 16796		kW					
ADDITION	7-1	Type of drive control		kW					
	7-2	Sound level at the driver's ear according to EN 12053		dB(A)					

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# FEATURES AND OPTIONS

PERFORMANCE	STD	OPT
24V system with brush motor	x	
Mechanical steering	x	
Proportional speed on lifting/lowering	x	
Standard environmental construction (0-45°C;)	x	
DRIVE	STD	OPT
100 × 64mm single Polyurethane load wheel (REACH)	x	
100 × 49mm single Polyurethane load wheel (REACH) for straddle leg size 75*75mm		x
210 × 75mm Polyurethane (REACH) drive wheel	x	
75 x 30mm double balance wheel		x
LIFT	STD	OPT
2 Stage No Free Lift - 1770mm/2500mm/3020mm	x	
2 Stage No Free Lift - 1520mm/2000mm/2520mm		x
2 Stage No Free Lift - 2020mm/3000mm/3520mm		x
2 Stage No Free Lift - 2170mm/3300mm/3820mm		x
2 Stage No Free Lift - 2270mm/3500mm/4020mm		x
HANDLING	STD	OPT
1070mm x 200-800mm forks	x	
1150mm x 200-800mm forks		x
H60xW90mm straddle leg	x	
H75xW75mm straddle leg		x
OPERATION	STD	OPT
Key switch	x	
Keypad with password protection non-CE		x
Remote key: function for remote control lift/lower; 5 traveling speed setting, horn; (non-CE, non-UL)		x
MDI Display - multi-function LCD screen display shows working status, hourmeter, BDI, error code	x	
Two side proportional control knob	x	

VISIBILITY	STD	OPT
Metal wiremesh	x	
Lexan shield		x
ENERGY SYSTEM	STD	OPT
24V/60Ah lithium-ion battery (UL)	x	
On-board charger 24V/30A 100~240V UL (for lithium-ion battery)	x	
On-board charger plug (American Std) type B	x	
24V/71Ah maintenance free lead-acid battery LEOCH (CE & UL)		x
24V/89Ah maintenance free lead-acid battery LEOCH (CE & UL)		x
24V/100Ah lithium-ion battery (UL)		x
1 extra battery		x
On-board charger 24V/10A 100~240V TL POWER (for lead-acid battery ) non-CE		x
On-board charger 24V/15A 100~240V UL (For lead-acid battery)		x
On-board charger plug ( Japanese Std) type A		x
SPPLEMENTAL	STD	OPT
12 Months / No Hour Limit Full Truck Warranty, 36 Months / 6,000 Hours Powertrain Warranty, Lifetime Frame Warranty; please see full Warranty Statement for additional details.	x	
Operating manual	x	
Parts manual		x



**Hyster Company**  
**P.O. Box 7006, Greenville, Carolina del Norte 27835-7006**

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