



MCW025-040E

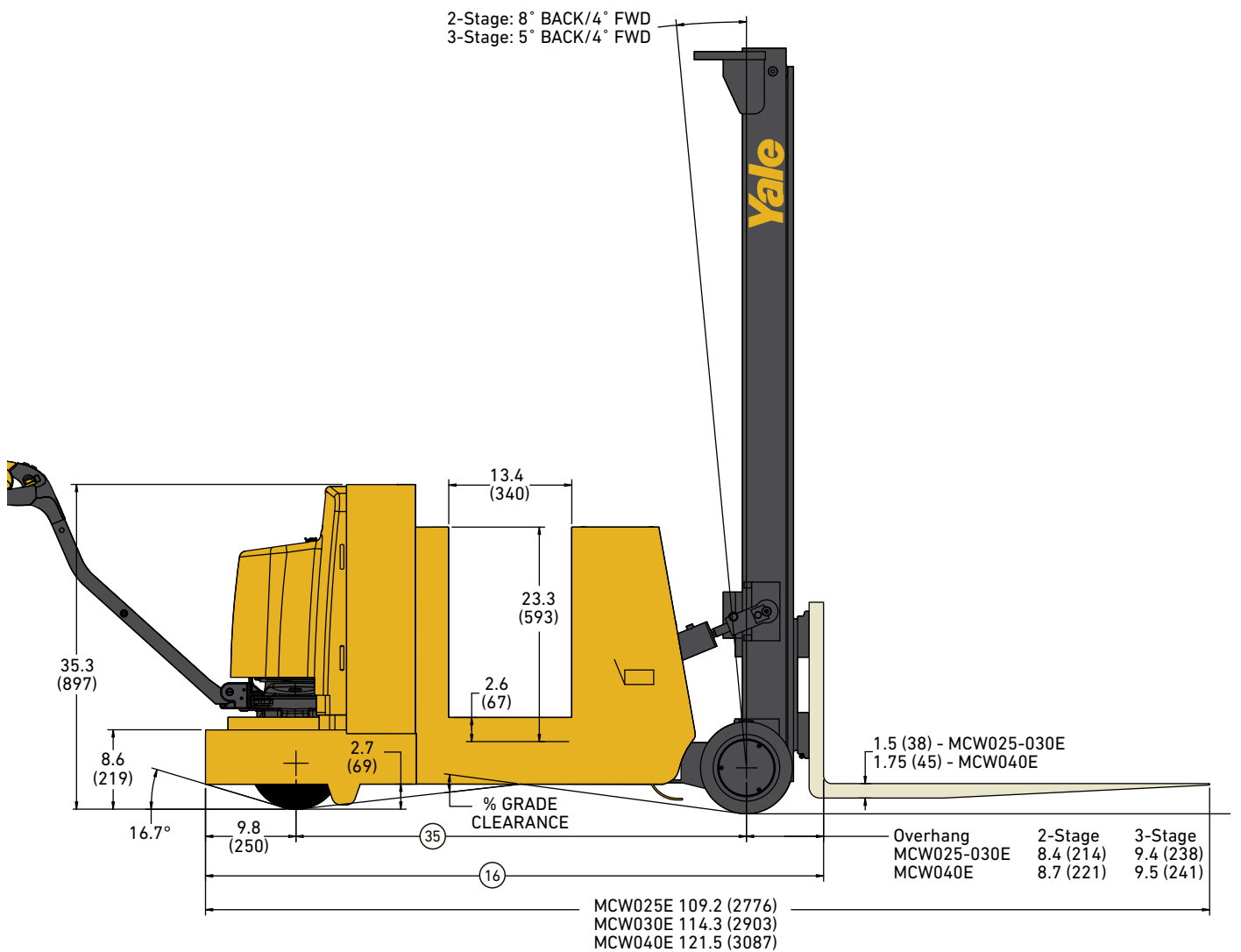
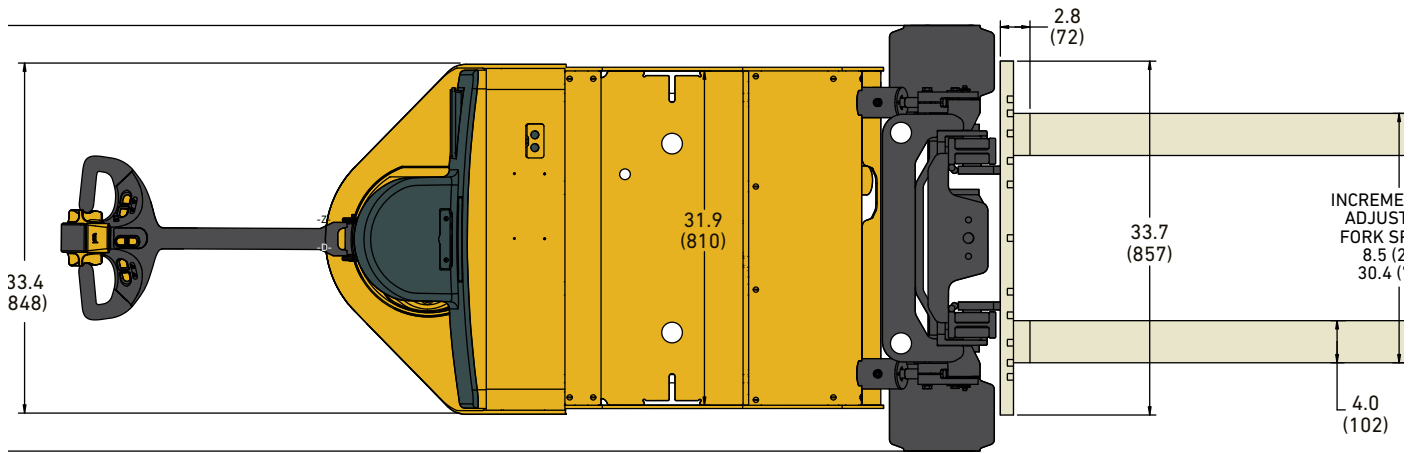
SPEC SHEET

2,500-4,000 lbs.

MCW-E Series

Counterbalanced
pallet stacker

TRUCK DIMENSIONS - MCW025E, MCW030E, MCW040E



GENERAL SPECIFICATIONS - MCW025E, MCW030E, MCW040E

		GENERAL SPECIFICATIONS - MCW025E, MCW030E, MCW040E								
GENERAL	1	Manufacturer	Yale®							
	2	Model	MCW025E	MCW030E	MCW040E					
	3	Rated capacity	lb. (kg)	2500 (1134)	3000 (1361)	4000 (1814)				
	4	Load center distance	in. (mm)	24 (610)						
	5	Power type	Electric							
	6	Operator type	Pedestrian							
	8	Tire type	load / drive	(C) Rubber/rubber	(C) Rubber/poly	(C) Poly/poly				
	9	Wheels (number x=drive)	front / rear	2 / 1x						
	DIMENSIONS	10	Upright lift with 2 stage mast	Lift height (top of fork)	in. (mm)	126 (3200)				
11		Standard free lift (top of fork)		in. (mm)	6.2 (158)					
12		Standard carriage width		in. (mm)	33.75 (857)					
13		Forks, thickness/width/length	in. (mm)	1.5x4x42 (30x102x1067)			1.75x5x42 45x127x1067			
14		Fork spread (outside dimensions)	in. (mm)	30.43 - 8.37 / (772 - 213)			30.43 - 10.32 (777 - 262)			
15		Tilt of mast (forward/backward)	degrees	4° / 8°						
16		Overall dimensions	Length to face of forks simplex/triplex	in. (mm)	65.2 (1665) / 66.1 (1688)	70.2 (1793) / 71.1 (1816)	77.2 (971) / 78.1 (1994)			
17			Overall width (standard tires)	in. (mm)	38.3 (973)	40.3 (1024)				
18			Height with collapsed mast	in. (mm)	83 (2110)					
19			Ht. std. upright ext. w-w/o LBR	in. (mm)	174 (4420) / 146 (3709)					
21		Turning radius - minimum (outside)	in. (mm)	66.0 (1676)	71.0 (1803)	78.0 (1992)				
22		Load length, front overhang	in. (mm)	8.44 (214)			8.69 (225)			
23		Aisle width, rt. angle stack (add length of load)	in.	64.7 (1643)	69.7 (1770)	76.7 (1948)				
24		Equal aisle, equal aisle (less load)	in. (mm)	58.7 (1419)	61.7 (1567)	65.0 (1650)				
		Stability (comply with ANSI?)		Yes						
PERFORMANCE		25	Travel speeds, loaded/no load	mph (kmh)	2.1 / 3.0	2.9 / 3.3	2.0 / 2.9	2.7 / 3.3	2.5 / 3.2	
	26a	Lift speed - loaded	ft/min (m/s)	17	29	16	28	24		
	26b	Lift speed - no load	ft/min (m/s)	32	49	32	49	49		
	27	Lowering speed - loaded/no load	ft/min (m/s)	72 / 68		74 / 68		76 / 68		
WT.	29	Gradeability, loaded/no load (1 MPH)	%	9%						
	31	Unloaded weight, standard truck less battery	lb. (kg)	3840 (1742)		4290 (1946)		4620 (2098)		
	32	Axle loads, static w/rated load - front/rear	lb. (kg)	850 (385) / 665 (3016)	1000 (453) / 7400 (3356)		(431) / 8750 (3969)			
WHEELS/TIRES	33	Tire size	Number - front/rear	2 / 1						
			Front - drive	in.	10 x 6	10 x 7				
			Rear - loaded wheels	in.	10 x 5					
	35	Wheelbase distance	in. (mm)	49.0 (1245)	54.0 (1372)	61.0 (1549)				
	36	Tread, center of tires - front/rear	in. (mm)	33.3 (845)	35.3 (900)					
	37	Ground clearance	Unloaded at lowest point	in. (mm)	2.0 (50.8)					
38	Unloaded center of wheelbase		in. (mm)	3.3 (84.0)			3.3 (83.8)			
BATT.	40	Battery	Voltage	12-Volt	24-Volt	12-Volt	24-Volt	24-Volt		
	41		Type	Lead acid						
	42		Ampere hrs. (max.)	ah	900	510	900	510	510	
	43		Minimum weight	lb. (kg)	400 (181)	500 (227)	400 (181)	500 (227)	700 (317)	
MOTORS	44	Electric motors	Traction motor - 60 min. rating	hp	1.43	1.54	1.43	1.54	1.54	
	45		Pump motor - 15 min. rating	hp	4.5	6.56	4.5	6.56	4.5	6.56
	46		Traction motor control method	Transistor						
	47		Number of speeds	Infinitely variable						
	55		Relief pressure for attachments	psi	2000				2500	
56	Grade clearance	%	27	25	22					

* Based on triplex mast with maximum battery weight

STANDARD LIFT SPECIFICATIONS* - MCW025-030E

Model	O.L.H.	Freefork ht.	Max.fork ht.	Tilt	Drive tire size
	in. (mm)	in. (mm)	in. (mm)	Rwd/fwd	
Simplex	72 (1830)	6.2 (158)	104 (2640)	8/4	10 x 5
	77 (1955)	6.2 (158)	114 (2895)	8/4	10 x 5
	83 (2110)	6.2 (158)	126 (3200)	8/4	10 x 5
	92 (2335)	6.2 (158)	144 (3660)	8/4	10 x 5
	96 (2440)	6.2 (158)	152 (3860)	8/4	10 x 5
Duplex	72 (1830)	50.0 (1270)	106 (2710)	8/4	10 x 5
	77 (1955)	55.0 (1397)	116 (2960)	8/4	10 x 5
	83 (2110)	61.0 (1549)	128 (3265)	8/4	10 x 5
	92 (2335)	70.0 (1778)	146 (3725)	8/4	10 x 5
	96 (2440)	74.0 (1879)	154 (3925)	8/4	10 x 5
Triplex	72 (1830)	50.8 (1290)	157 (4000)	5/4	10 x 5
	77 (1955)	55.8 (1417)	172 (4380) †	5/4	10 x 5
	83 (2110)	61.8 (1570)	190 (4840) †	5/4	10 x 5
	92 (2335)	70.8 (1798)	217 (5525) †	5/4	10 x 5
	96 (2440)	74.8 (1900)	229 (5830) †	5/4	10 x 5

STANDARD LIFT SPECIFICATIONS* - MCW040E

Model	O.L.H.	Free fork ht.	Max. fork ht.	Tilt	Drive tire size
	in. (mm)	in. (mm)	in. (mm)	Rwd/fwd	
Simplex	72 (1830)	6.2 (158)	100 (2540)	8/4	10 x 5
	77 (1955)	6.2 (158)	110 (2794)	8/4	10 x 5
	83 (2110)	6.2 (158)	122 (3098)	8/4	10 x 5
	92 (2335)	6.2 (158)	140 (3556)	8/4	10 x 5
	96 (2440)	6.2 (158)	148 (3759)	8/4	10 x 5
Duplex	72 (1830)	48.0 (1219)	104 (2640)	8/4	10 x 5
	77 (1955)	53.0 (1346)	114 (2895)	8/4	10 x 5
	83 (2110)	59.0 (1498)	126 (3200)	8/4	10 x 5
	92 (2335)	68.0 (1727)	144 (3660)	8/4	10 x 5
	96 (2440)	72.0 (1828)	152 (3860)	8/4	10 x 5
Triplex	72 (1830)	48.6 (1234)	153 (3886)	5/4	10 x 5
	77 (1955)	53.6 (1361)	168 (4267) †	5/4	10 x 5
	83 (2110)	59.6 (1514)	186 (4724) †	5/4	10 x 5
	92 (2335)	68.6 (1742)	213 (5410) †	5/4	10 x 5
	96 (2440)	72.6 (1844)	225 (5715) †	5/4	10 x 5

* For other available mast heights - Contact your local Yale Dealer
 Note: Without backrest. With backrest subtract 48" from mast O.L.H.
 † May have reduced capacity - Contact your local Yale Dealer.

BATTERY AND COMPARTMENT SPECIFICATIONS

Model	Compartment size			Battery specifications										
				Size				Electrical			Weight			
	Width	Length	Height	Dim "X"		Dim "Y"		Dim "Z"	Volts	Plates	Max amp hr	Min	Max	
				Min	Max	Min	Max							Max
MCW025-40E	31.87	13.38	6.0-Open	17.5	31.6	7.6	13.2	Open Well	12	21	900	400	1400	
									24	13	510	400	1400	

FEATURES LIST - MCW025E, MCW030E, MCW040E

PERFORMANCE	STD	OPT
24 Volt	●	
SEM traction control technology	●	
Energy efficient MOSFET traction/hoist controller	●	
Transistor hydraulics	●	
Auto deceleration system	●	
3 User programmable performance modes	●	
Creep speed control		●
DRIVE	STD	OPT
Drive tire		
- 10" x 5" press-on polyurethane	●	
- 10" x 5" siped polyurethane		●
Load wheels		
10" x 6" polyurethane (MCW025-030E)	●	
10" x 7" polyurethane (MCW040E)	●	
LIFT	STD	OPT
Mast (MCW025-030E)		
- 104" MLH / 72" OLH 2- stage		●
- 114" MLH / 77" OLH 2- stage		●
- 126" MLH / 83" OLH 2- stage	●	
- 144" MLH / 92" OLH 2- stage		●
- 152" MLH / 96" OLH 2- stage		●
- 157" MLH / 72" OLH 3- stage		●
- 172" MLH / 77" OLH 3- stage		●
- 190" MLH / 83" OLH 3- stage		●
- 217" MLH / 92" OLH 3- stage		●
- 229" MLH / 96" OLH 3- stage		●
Mast (MCW040E)		
- 100" MLH / 72" OLH 2- stage		●
- 110" MLH / 77" OLH 2- stage		●
- 122" MLH / 83" OLH 2- stage	●	
- 140" MLH / 92" OLH 2- stage		●
- 148" MLH / 96" OLH 2- stage		●
- 153" MLH / 72" OLH 3- stage		●
- 168" MLH / 77" OLH 3- stage		●
- 186" MLH / 83" OLH 3- stage		●
- 213" MLH / 92" OLH 3- stage		●
- 225" MLH / 96" OLH 3- stage		●
Proportional lift/lowering	●	
HANDLING	STD	OPT
33.75" Carriage	●	
34" hook type integral sidesift carriage		●
48" high load backrest extension	●	
Without load backrest		●
Forks (MCW025-030E)		
- 36" x 1.5" x 4.0" hook type - standard taper forks		●
- 42" x 1.5" x 4.0" hook type - standard taper forks	●	
- 48" x 1.5" x 4.0" hook type - standard taper forks		●
Forks (MCW040E)		
- 36" x 1.75" x 4.0" hook type - standard taper forks		●
- 42" x 1.75" x 4.0" hook type - standard taper forks	●	
- 48" x 1.75" x 4.0" hook type - standard taper forks		●
- Without forks		●

ERGONOMICS	STD	OPT
Ergonomically designed composite control handle	●	
Ergonomically designed cast aluminum control handle		●
OPERATION	STD	OPT
Key switch start	●	
Keyless toggle start with auxiliary key switch		●
Battery connector		
- 175 amp red	●	
- 175 amp grey		●
Multi-function display		
- Battery discharge indicator		●
- Hour meter		●
- Fault light		●
- lift interrupt		●
Electric horn	●	
Electro-magnetic park brake	●	
Traction reversing switch	●	
SUPPLEMENTAL	STD	OPT
Parts manual		
- CD		●
- printed		●
CONSTRUCTION	STD	OPT
UL Classification Type "E"	●	
Application/environmental construction		
- Standard environmental construction +32oF	●	
- Cold storage/freezer package to -15oF		●
Battery compartment		
- 13.4" x 31.8"	●	
Lift out battery removal	●	
Side battery extraction		●
ENERGY SYSTEM	STD	OPT
Set for flooded cell	●	
Set for maintenance free		●



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Yale Lift Truck Technologies | Pacific

1/23 Rowood Road


Prospect NSW 2148

Yale Lift Truck Technologies | Asia

16 Tuas Avenue 20

Singapore 638827

yale.com

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