

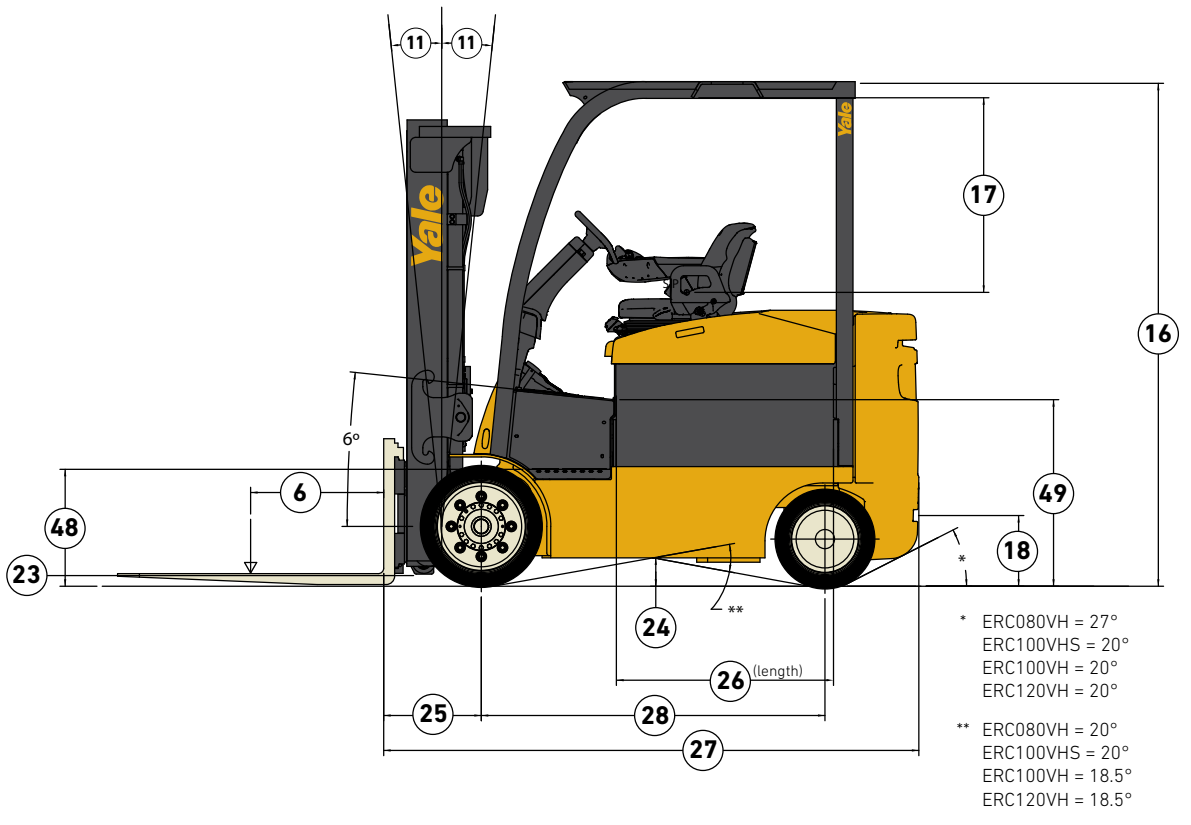
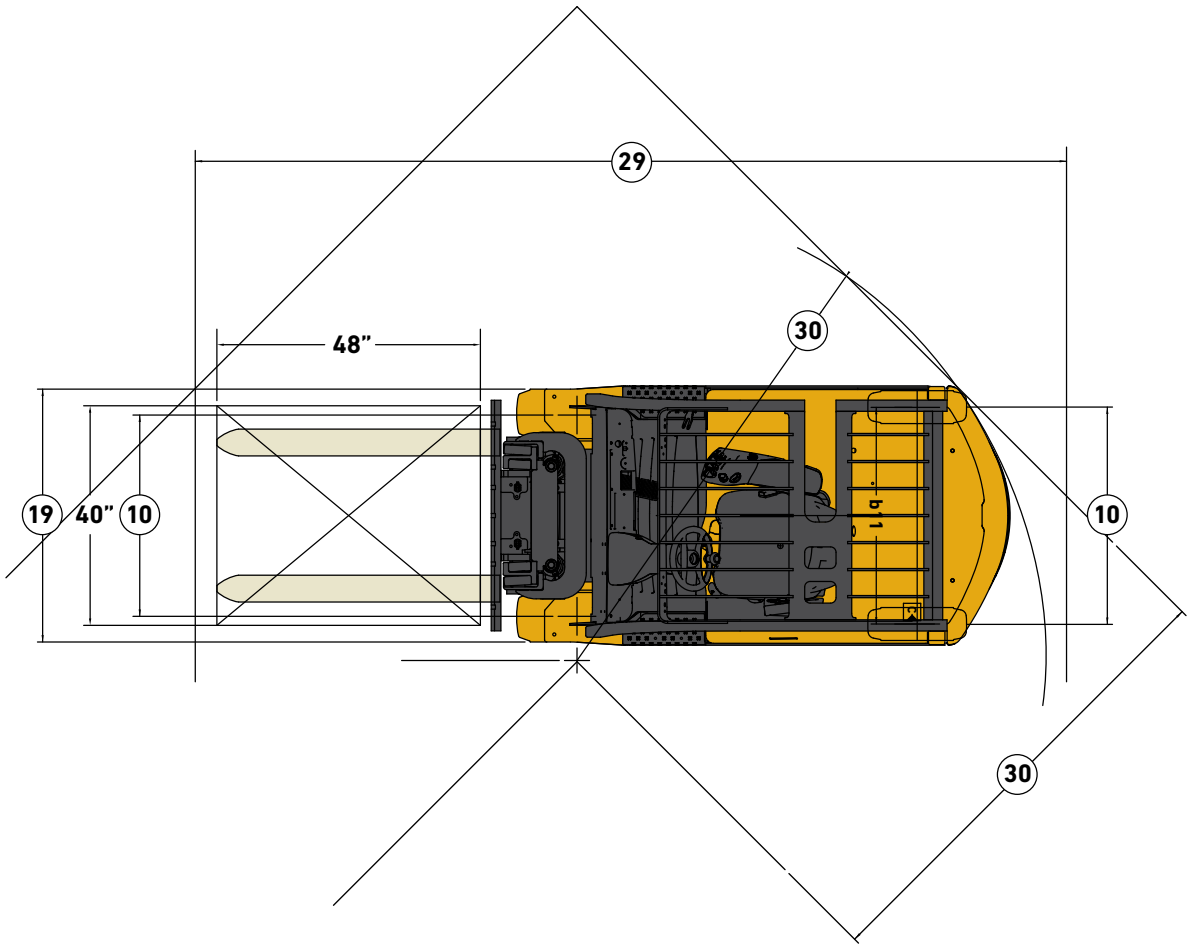


ERC
080-120VH/VHS

4-wheel cushion tire
electric counterbalanced forklift

8,000-12,000 lbs.

TRUCK DIMENSIONS



* ERC080VH = 27°
 ERC100VHS = 20°
 ERC100VH = 20°
 ERC120VH = 20°
 ** ERC080VH = 20°
 ERC100VHS = 20°
 ERC100VH = 18.5°
 ERC120VH = 18.5°

GENERAL SPECIFICATIONS - ERC080VH, ERC100VHS

GENERAL				Yale		ERC080VH		ERC100VHS	
1	Manufacturer			Yale		ERC080VH		ERC100VHS	
2	Model designation			ERC080VH		ERC100VHS			
3	Power			Electric					
4	Operation			Sit					
5	Rated capacity			lb. (kg)		8000 (3629)		10000 (4536)	
6	Load center			in. (mm)		24 (610)			
TIRES/WHEELS						Cushion / Cushion			
7	Tire type - cushion, solid, pneumatic, etc.	Drive / steer							
8	Tire size	Drive / steer		in.		22 x 9 x 16 / 18 x 6 x 12.1		22 x 12 x 16 / 18 x 7 x 12.1	
9	Wheels - number	X=driven		Drive / steer		2X / 2			
10	Tread	Center of tires		Narr dr / wide dr / steer		in. (mm)		37 / 41 / 39.5 (941 / 1041 / 1003) 40 / 43.9 / 38.3 (1015 / 1115 / 972)	
11	Mast tilt	Std Opt		degrees		5F / 5B 8F / 5B			
12	Mast - lowered height	Std Mast		in. (mm)		84.1 (2134)		84.2 (2138)	
13	Free lift - top of fork	Std 2-stage limited free lift (LFL) mast		in. (mm)		5 (150)			
		Opt 2-stage full free lift mast (FFL) with / without LBR		in. (mm)		35 / 53 (900 / 1352)		35 / 48 (897 / 1222)	
14	Lift height - top of fork	Std 2-stage limited free lift (LFL) mast		in. (mm)		120 (3050)		109 (2790)	
15	Mast - extended height	Std mast with / without LBR		in. (mm)		169 / 149 (4284 / 3783)		159 / 144 (4031 / 3657)	
16	Overhead guard height	Std / opt / opt flat plate		in. (mm)		94 / 91 / 87.1 (2388 / 2311 / 2212)			
17	SIP to bottom std OHG	Seat depressed		Std / susp / swivel		in. (mm)		38.7 / 38.9 / 38.9 (984 / 989 / 989)	
18	Tow pin height	Vertical center of pin		in. (mm)		12.7 (324)			
19	Overall width	Standard tread / wide tread		in. (mm)		47.2 / 50 (1200 / 1270)		52 / 55.9 (1320 / 1420)	
20	Forks	Thickness x width x length		in. (mm)		2 x 4.9 x 42 (50 x 125 x 1067)		2 x 5.9 x 42 (50 x 150 x 1067)	
21	Standard carriage width	Class III		in. (mm)		42 (1067)			
22	Floor to top of battery rollers			in. (mm)		20 (509)			
23	Ground clearance	Lowest point		NL / RL		in. (mm)		3.8 / 3.5 (96 / 90) 3.6 / 3.4 (92 / 87)	
24	Ground clearance	Center of truck		NL / RL		in. (mm)		5.3 / 5.1 (134 / 130)	
25	Load distance	Center of wheel to face of forks		in. (mm)		17.6 (447)		17.8 (452)	
26	Battery compartment	Height		Without /with battery rollers		in. (mm)		24.4 / 24 (620 / 609)	
		Width				in. (mm)		45.4 (1152)	
		Length		Nominal		SIZE		39 39"	
		Length		Actual		in. (mm)		39.2 (996)	
27	Length to face of forks	Chassis length		in. (mm)		96.5 (2451)		100.3 (2548)	
28	Wheelbase			in. (mm)		62 (1574)			
29	Right angle stack			in. (mm)		150.8 (3831)		154 (3911)	
30	Equal aisle	90° intersecting aisle		in. (mm)		79.4 (2017)		83 (2107)	
31	Outside turning radius			in. (mm)		85.2 (2165)		88.2 (2240)	
WEIGHT									
32	Truck weight	Without battery		NL		lb. (kg)		11070 (5021) 13070 (5928)	
33	Axle loading - drive	Static with max. weight battery		NL / RL		lb. (kg)		6728 / 20098 (3052 / 9116) 6798 / 23542 (3084 / 10678)	
34	Axle loading - steer	Static with max. weight battery		NL / RL		lb. (kg)		9141 / 3771 (4146 / 1710) 11069 / 4325 (5021 / 1962)	
PERFORMANCE									
						Standard performance			
				VOLTS		36 48 80 36 48 80			
36	Travel speed	Extended shift OFF		NL / RL		mph (km/h)		11.4 / 9.7 (18.3 / 15.6) 12.7 / 12.2 (20.4 / 19.6) 12.7/12.2 (20.4/19.6) 10.3 / 8.8 (16.6 / 14.2) 11.4 / 11 (18.3 / 17.7) 11.4 / 11 (18.3 / 17.7)	
		Extended shift ON		NL / RL		mph (km/h)		9.8 / 8.4 (15.8 / 13.5) 12.5 / 10.8 (20.1 / 17.4) 12.5/10.8 (20.1/17.4) 9.1 / 7.7 (14.6 / 12.4) 11.4 / 9.9 (18.3 / 15.9) 11.4 / 9.9 (18.3 / 15.9)	
37	Lift speed	Std 2-stage LFL mast		NL / RL		ft/min (m/sec)		94 / 58 (0.48 / 0.296) 118 / 73 (0.6 / 0.37) 118/73 (0.6/0.37) 71 / 46 (0.36 / 0.232) 89 / 57 (0.45 / 0.29) 89 / 57 (0.45 / 0.29)	
		Opt 2-stage FFL mast		NL / RL		ft/min (m/sec)		85 / 53 (0.4336 / 0.267) 107 / 66 (0.542 / 0.334) 107/66 (0.542/0.334) 67 / 43 (0.34 / 0.219) 84 / 54 (0.425 / 0.274) 84 / 54 (0.425 / 0.274)	
		Opt 3-stage FFL mast		NL / RL		ft/min (m/sec)		88 / 54 (0.448 / 0.276) 110 / 68 (0.56 / 0.345) 110/68 (0.56/0.345) 68 / 44 (0.346 / 0.223) 85 / 55 (0.433 / 0.279) 85 / 55 (0.433 / 0.279)	
38	Lower speed	Std 2-stage LFL mast		NL / RL		ft/min (m/sec)		94 / 104 (0.48 / 0.53) 73 / 89 (0.37 / 0.45)	
		Opt 2-stage FFL mast		NL / RL		ft/min (m/sec)		75 / 91 (0.38 / 0.46) 57 / 81 (0.29 / 0.41)	
		Opt 3-stage FFL mast		NL / RL		ft/min (m/sec)		77 / 98 (0.39 / 0.5) 63 / 87 (0.32 / 0.44)	
39	Gradability	5 minute rating		NL / RL		%		23 / 14.1 29.3 / 17.8 30.1 / 18.3 19.4 / 11.8 24.6 / 14.7 25.2 / 15.1	
		60 minute rating		NL / RL		%		8.4 / 5.4 10.6 / 6.8 10.9 / 7 7.1 / 4.5 9.1 / 5.6 9.2 / 5.8	
40	Drawbar pull	5 minute rating		NL / RL		lbf		3327 / 3193 4023 / 3864 4104 / 3941 3323 / 3185 3994 / 3832 4074 / 3909	
		60 minute rating		NL / RL		lbf		1246 / 1232 1511 / 1497 1541 / 1526 1242 / 1224 1497 / 1479 1527 / 1509	
41	Brake	Method of control		Service / parking				Hydraulic / spring applied	
		Method of operation		Service / parking				Foot / automatic	
ELECTRIC	Battery	Type						Lead acid or lithium-ion	
								Standard performance	
					VOLTS		36 48 80 36 48 80		
	43	Traction motor	60 minute rating		hp (kW)		28.8 (21.5) 28.8 (21.5) 28.2 (21) 28.8 (21.5) 28.8 (21.5) 28.2 (21)		
44	Pump motor	15 % rating		hp (kW)		35.5 (26.5) 48.3 (36) 48.3 (36) 35.5 (26.5) 48.3 (36) 48.3 (36)			
45	Traction motor	Type / control method						AC / transistor	
46	Pump motor	Type / control method						AC / transistor	
47	Number of speeds	Traction / pump						Infinitely variable / infinitely variable	
OTHER									
48	Step height			in. (mm)		21.1 (536)			
49	Floor height	Lowest point		in. (mm)		33.7 (855)			
50	Attachment relief pressure			psi (bar)		2248 (155)			
51	Auxiliary oil flow	3rd and 4th function		gal/min (l/min)		16 (60)			
52	Sound level	Measured per ANSI B56.11.5		dB (A)		69 / 66			

Above specifications, unless otherwise listed, are for a standard truck without optional equipment. Right Angle Stack and Equal Intersecting Aisle dimensions provided with a 48" long and 40" wide pallet load, allowing zero clearance.

GENERAL SPECIFICATIONS - ERC100VH

GENERAL	1	Manufacturer			Yale			
	2	Model designation			ERC100VH			
	3	Power			Electric			
	4	Operation			Sit			
	5	Rated capacity			lb. (kg)	10000 (4536)		
	6	Load center			in. (mm)	24 (610)		
TIRES/ WHEELS	7	Tire type - cushion, solid, pneumatic, etc.		Drive / steer		Cushion / Cushion		
	8	Tire size		Drive / steer	in.	22 x 12 x 16 / 18 x 7 x 12.1		
	9	Wheels - number	X=driven	Drive / steer		2X / 2		
	10	Tread	Center of tires	Narr dr / wide dr / steer		in. (mm)	40 / 43.9 / 38.3 (1015 / 1115 / 972)	
DIMENSIONS	11	Mast tilt		Std Opt	degrees	5F / 5B 8F / 5B		
	12	Mast - lowered height		Std Mast	in. (mm)	84.2 (2138)		
	13	Free lift - top of fork	Std 2-stage limited free lift (LFL) mast		in. (mm)	5 (150)		
			Opt 2-stage full free lift mast (FFL) with / without LBR		in. (mm)	35 / 48 (897 / 1222)		
	14	Lift height - top of fork	Std 2-stage limited free lift (LFL) mast		in. (mm)	109 (2790)		
	15	Mast - extended height	Std mast with / without LBR		in. (mm)	159 / 144 (4031 / 3657)		
	16	Overhead guard height	Std / opt / opt flat plate		in. (mm)	94 / 91 / 87.1 (2388 / 2311 / 2212)		
	17	SIP to bottom std OHG	Seat depressed	Std / susp / swivel		in. (mm)	38.7 / 38.9 / 38.9 (984 / 989 / 989)	
	18	Tow pin height	Vertical center of pin		in. (mm)	12.7 (324)		
	19	Overall width	Standard tread / wide tread		in. (mm)	52 / 55.9 (1320 / 1420)		
	20	Forks	Thickness x width x length		in. (mm)	2 x 5.9 x 42 (50 x 150 x 1067)		
	21	Standard carriage width	Class III		in. (mm)	42 (1067)		
	22	Floor to top of battery rollers			in. (mm)	20 (509)		
	23	Ground clearance	Lowest point	NL / RL	in. (mm)	3.6 / 3.4 (92 / 87)		
	24	Ground clearance	Center of truck		in. (mm)	5.3 / 5.1 (134 / 130)		
	25	Load distance	Center of wheel to face of forks		in. (mm)	17.8 (452)		
	26	Battery compartment	Height	Without /with battery rollers		in. (mm)	24.4 / 24 (620 / 609)	
			Width			in. (mm)	45.4 (1152)	
				Nominal		SIZE	45"	
			Length	Actual		in. (mm)	45.7 (1161)	
	27	Length to face of forks		Chassis length		in. (mm)	103.1 (2621)	
28	Wheelbase			in. (mm)	68.5 (1739)			
29	Right angle stack			in. (mm)	158 (4012)			
30	Equal aisle	90° intersecting aisle		in. (mm)	84.3 (2141)			
31	Outside turning radius			in. (mm)	92.2 (2341)			
WEIGHT	32	Truck weight	Without battery	NL	lb. (kg)	12300 (5579)		
	33	Axle loading - drive	Static with max. weight battery	NL / RL	lb. (kg)	7708 / 23813 (3496 / 10801)		
	34	Axle loading - steer	Static with max. weight battery	NL / RL	lb. (kg)	10139 / 4035 (4599 / 1830)		
PERFORMANCE					Standard performance			
					VOLTS	36	48	80
	36	Travel speed	Extended shift OFF	NL / RL	mph (km/h)	10.3 / 8.8 (16.6 / 14.2)	11.4 / 11 (18.3 / 17.7)	11.4 / 11 (18.3 / 17.7)
			Extended shift ON	NL / RL	mph (km/h)	9.1 / 7.7 (14.6 / 12.4)	11.4 / 9.9 (18.3 / 15.9)	11.4 / 9.9 (18.3 / 15.9)
	37	Lift speed	Std 2-stage LFL mast	NL / RL	ft/min (m/sec)	71 / 46 (0.36 / 0.232)	89 / 57 (0.45 / 0.29)	89 / 57 (0.45 / 0.29)
			Opt 2-stage FFL mast	NL / RL	ft/min (m/sec)	67 / 43 (0.34 / 0.219)	84 / 54 (0.425 / 0.274)	84 / 54 (0.425 / 0.274)
			Opt 3-stage FFL mast	NL / RL	ft/min (m/sec)	68 / 44 (0.346 / 0.223)	85 / 55 (0.433 / 0.279)	85 / 55 (0.433 / 0.279)
	38	Lower speed	Std 2-stage LFL mast	NL / RL	ft/min (m/sec)	73 / 89 (0.37 / 0.45)		
			Opt 2-stage FFL mast	NL / RL	ft/min (m/sec)	57 / 81 (0.29 / 0.41)		
			Opt 3-stage FFL mast	NL / RL	ft/min (m/sec)	63 / 87 (0.32 / 0.44)		
	39	Gradability	5 minute rating	NL / RL	%	19.9 / 11.9	25.2 / 15	25.8 / 15.3
			60 minute rating	NL / RL	%	7.3 / 4.5	9.2 / 5.7	9.4 / 5.9
	40	Drawbar pull	5 minute rating	NL / RL	lbf	3322 / 3185	3970 / 3809	4049 / 3885
60 minute rating			NL / RL	lbf	1241 / 1224	1488 / 1470	1518 / 1500	
41	Brake	Method of control		Service / parking				
		Method of operation		Service / parking				
ELECTRIC	42	Battery	Type		Lead acid or lithium-ion			
					Standard performance			
			VOLTS		36	48	80	
	43	Traction motor	60 minute rating	hp (kW)	28.8 (21.5)	28.8 (21.5)	28.2 (21)	
	44	Pump motor	15 % rating	hp (kW)	35.5 (26.5)	48.3 (36)	48.3 (36)	
	45	Traction motor	Type / control method		AC / transistor			
	46	Pump motor	Type / control method		AC / transistor			
47	Number of speeds		Traction / pump		Infinitely Variable / infinitely variable			
OTHER	48	Step height			in. (mm)	21.1 (536)		
	49	Floor height		Lowest point	in. (mm)	33.7 (855)		
	50	Attachment relief pressure			psi (bar)	2248 (155)		
	51	Auxiliary oil flow	3rd and 4th function		gal/min (l/min)	16 (60)		
	52	Sound level		Measured per ANSI B56.11.5		dB (A)		

Above specifications, unless otherwise listed, are for a standard truck without optional equipment.

Right Angle Stack and Equal Intersecting Aisle dimensions provided with a 48" long and 40" wide pallet load, allowing zero clearance.

GENERAL SPECIFICATIONS - ERC120VH

				Standard performance				
				VOLTS	36	48	80	
GENERAL	1	Manufacturer		Yale				
	2	Model designation		ERC120VH				
	3	Power		Electric				
	4	Operation		Sit				
	5	Rated capacity		lb. (kg)	12000 (5443)			
	6	Load center		in. (mm)	24 (610)			
TIRES/ WHEELS	7	Tire type - cushion, solid, pneumatic, etc.		Drive / steer		Cushion / Cushion		
	8	Tire size		Drive / steer	in.	22 x 12 x 16 / 18 x 7 x 12.1		
	9	Wheels - number	X=driven	Drive / steer		2X / 2		
	10	Tread	Center of tires	Narr dr / wide dr / steer	in. (mm)	40 / 43.9 / 38.3 (1015 / 1115 / 972)		
DIMENSIONS	11	Mast tilt		Std Opt	degrees	5F / 5B 8F / 5B		
	12	Mast - lowered height		Std Mast	in. (mm)	84.2 (2138)		
	13	Free lift - top of fork	Std 2-stage limited free lift (LFL) mast		in. (mm)	5 (150)		
			Opt 2-stage full free lift mast (FFL) with / without LBR		in. (mm)	35 / 48 (897 / 1222)		
	14	Lift height - top of fork		Std 2-stage limited free lift (LFL) mast	in. (mm)	109 (2790)		
	15	Mast - extended height		Std mast with / without LBR	in. (mm)	159 / 144 (4031 / 3657)		
	16	Overhead guard height		Std / opt / opt flat plate	in. (mm)	94 / 91 / 87.1 (2388 / 2311 / 2212)		
	17	SIP to bottom std OHG	Seat depressed	Std / susp / swivel	in. (mm)	38.7 / 38.9 / 38.9 (984 / 989 / 989)		
	18	Tow pin height		Vertical center of pin	in. (mm)	12.7 (324)		
	19	Overall width		Standard tread / wide tread	in. (mm)	52 / 55.9 (1320 / 1420)		
	20	Forks		Thickness x width x length	in. (mm)	2.4 x 5.9 x 42 (60 x 150 x 1067)		
	21	Standard carriage width		Class III	in. (mm)	42 (1067)		
	22	Floor to top of battery rollers			in. (mm)	20 (509)		
	23	Ground clearance	Lowest point	NL / RL	in. (mm)	3.6 / 3.4 (92 / 87)		
	24	Ground clearance	Center of truck	NL / RL	in. (mm)	5.3 / 5.1 (134 / 130)		
	25	Load distance		Center of wheel to face of forks	in. (mm)	18.2 (462)		
	26	Battery compartment	Height	Without /with battery rollers	in. (mm)	24.4 / 24 (620 / 609)		
			Width		in. (mm)	45.4 (1152)		
				Nominal	SIZE	45"		
			Length	Actual	in. (mm)	45.7 (1161)		
	27	Length to face of forks		Chassis length	in. (mm)	107.2 (2724)		
28	Wheelbase			in. (mm)	68.5 (1739)			
29	Right angle stack			in. (mm)	161.5 (4101)			
30	Equal aisle	90° intersecting aisle		in. (mm)	85.7 (2178)			
31	Outside turning radius			in. (mm)	95.3 (2420)			
WEIGHT	32	Truck weight	Without battery	NL	lb. (kg)	13860 (6287)		
	33	Axle loading - drive	Static with max. weight battery	NL / RL	lb. (kg)	7556 / 26951 (3427 / 12225)		
	34	Axle loading - steer	Static with max. weight battery	NL / RL	lb. (kg)	11848 / 4453 (5374 / 2020)		
PERFORMANCE	36	Travel speed	Extended shift OFF	NL / RL	mph (km/h)	9.4 / 8 (15.1 / 12.9)	10.4 / 10 (16.7 / 16.1)	10.4 / 10 (16.7 / 16.1)
			Extended shift ON	NL / RL	mph (km/h)	8.2 / 7 (13.2 / 11.3)	10.4 / 9 (16.7 / 14.5)	10.4 / 9 (16.7 / 14.5)
	37	Lift speed	Std 2-stage LFL mast	NL / RL	ft/min (m/sec)	71 / 43 (0.36 / 0.216)	89 / 53 (0.45 / 0.27)	89 / 53 (0.45 / 0.27)
			Opt 2-stage FFL mast	NL / RL	ft/min (m/sec)	67 / 40 (0.34 / 0.204)	84 / 50 (0.425 / 0.255)	84 / 50 (0.425 / 0.255)
			Opt 3-stage FFL mast	NL / RL	ft/min (m/sec)	68 / 41 (0.346 / 0.208)	85 / 51 (0.433 / 0.26)	85 / 51 (0.433 / 0.26)
	38	Lower speed	Std 2-stage LFL mast	NL / RL	ft/min (m/sec)	73 / 89 (0.37 / 0.45)		
			Opt 2-stage FFL mast	NL / RL	ft/min (m/sec)	57 / 81 (0.29 / 0.41)		
			Opt 3-stage FFL mast	NL / RL	ft/min (m/sec)	63 / 87 (0.32 / 0.44)		
	39	Gradability	5 minute rating	NL / RL	%	18.5 / 10.4	22.8 / 13.1	23.3 / 13.4
			60 minute rating	NL / RL	%	6.6 / 4	8.3 / 5.1	8.5 / 5.1
40	Drawbar pull	5 minute rating	NL / RL	lbf	3320 / 3179	3918 / 3755	3996 / 3830	
		60 minute rating	NL / RL	lbf	1239 / 1218	1466 / 1445	1495 / 1474	
41	Brake	Method of control	Service / parking		Hydraulic / spring applied			
		Method of operation	Service / parking		Foot / automatic			
ELECTRIC	42	Battery	Type	Lead acid or lithium-ion				
				Standard performance				
	43	Traction motor	60 minute rating	VOLTS	36	48	80	
				hp (kW)	28.8 (21.5)	28.8 (21.5)	28.2 (21)	
	44	Pump motor	15 % rating	hp (kW)	35.5 (26.5)	48.3 (36)	48.3 (36)	
45	Traction motor	Type / control method		AC / transistor				
46	Pump motor	Type / control method		AC / transistor				
47	Number of speeds		Traction / pump	Infinitely Variable / infinitely variable				
OTHER	48	Step height		in. (mm)	21.1 (536)			
	49	Floor height		Lowest point	in. (mm)	33.7 (855)		
	50	Attachment relief pressure		psi (bar)	2248 (155)			
	51	Auxiliary oil flow	3rd and 4th function		gal/min (l/min)	16 (60)		
	52	Sound level		Measured per ANSI B56.11.5	dB (A)	69 / 66		

Above specifications, unless otherwise listed, are for a standard truck without optional equipment.

Right Angle Stack and Equal Intersecting Aisle dimensions provided with a 48" long and 40" wide pallet load, allowing zero clearance.

ERC80VH MAST DIMENSIONS

Maximum fork height (TOF) +	Overall lowered height	Overall extended height with load backrest	Overall extended height without load backrest	Free-lift (TOF) with load backrest	Free-lift (TOF) without load backrest
in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)
2-STAGE LIMITED FREE LIFT (LFL) MAST					
120 (3050)	84 (2134)	176 (4455)	149 (3783)	5 (150)	5 (150)
143 (3650)	96 (2434)	193 (4884)	173 (4383)	5 (150)	5 (150)
2-STAGE FULL FREE LIFT (FFL) MAST					
121 (3075)	84 (2134)	170 (4309)	152 (3857)	35 (900)	53 (1352)
144 (3675)	96 (2434)	194 (4909)	176 (4457)	47 (1200)	65 (1652)
3-STAGE FULL FREE LIFT (FFL) MAST					
173 (4415)	84 (2134)	223 (5649)	205 (5197)	35 (900)	53 (1352)
185 (4715)	88 (2234)	235 (5949)	217 (5497)	39 (1000)	57 (1452)
194 (4950)	92 (2334)	244 (6184)	226 (5732)	43 (1100)	61 (1552)
218 (5550)	100 (2534)	268 (6784)	250 (6332)	51 (1300)	69 (1752)

ERC100-120VH MAST DIMENSIONS

Maximum fork height (TOF) +	Overall lowered height	Overall extended height with load backrest	Overall extended height without load backrest	Free-lift (TOF) with load backrest	Free-lift (TOF) without load backrest
in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)
2-STAGE LIMITED FREE LIFT (LFL) MAST					
109 (2790)	85 (2138)	159 (4031)	144 (3657)	5 (150)	5 (150)
133 (3390)	96 (2438)	183 (4631)	168 (4257)	5 (150)	5 (150)
157 (3990)	108 (2738)	206 (5231)	192 (4857)	5 (150)	5 (150)
2-STAGE FULL FREE LIFT (FFL) MAST					
110 (2815)	85 (2138)	160 (4056)	147 (3731)	35 (897)	48 (1222)
134 (3415)	96 (2438)	184 (4656)	171 (4331)	47 (1197)	59 (1522)
3-STAGE FULL FREE LIFT (FFL) MAST					
162 (4137)	85 (2138)	212 (5378)	200 (5058)	35 (897)	47 (1217)
184 (4690)	92 (2338)	234 (5931)	221 (5611)	43 (1097)	55 (1417)
208 (5290)	100 (2538)	258 (6531)	245 (6211)	51 (1297)	63 (1617)

BATTERY AND COMPARTMENT SPECIFICATIONS

Truck model	Compartment dimensions			Battery dimensions - max			Volts	No. of cells	Plates per Cell	Max capacity 6 hour rate amp hr (kwh)	Weight	
	Width	Length	Height	"X"	"Y"	"Z"					Min	Max
	in. (mm)			in. (mm)							lb. (kg)	
ERC080VH ERC100VHS 39" Compartment	45.4 (1152)	39.2 (996)	24.5 (622)	45 (1143)	39 (990)	23.9 (608)	36	18	33	2300 (80.3)	3400 (1542)	4800 (2177)
							48	24	29	1800 (83.8)		
							80	40	15	1000 (77.6)		
ERC100VH ERC120VH 45" Compartment	45.4 (1152)	45.7 (1161)	24.5 (622)	45 (1143)	45.3 (1150)	23.9 (608)	36	36	19	2300 (160.6)	4000 (1814)	5500 (2517)
							48	24	33	1800 (83.8)		
							80	40	17	1000 (77.6)		

Battery Type: "E0" (Without Cover)

Battery amp hr (kwh) capacity is max allowable per UL

Commercially available Lead Acid or Lithium-Ion batteries may not necessarily reach these max limits

Battery Roller option reduces battery compartment height to 24.0" (609mm) & max battery height to 23.4" (595mm)

Battery Compartment Length is measured front to rear. Battery Compartment Width is measured across the truck

Battery Notes - Conventional Charging (Option BCSSBC)

Battery Connector: 36 volt - Grey SB*350 (Anderson Power Products® P/N 6320G2 or equivalent)

48 volt - Blue SB*350 (Anderson Power Products® P/N 6321G2 or equivalent)

80 volt - Black SBE*320 (Anderson Power Products® P/N E6359G3 or equivalent)

Handle (not required): SB*350 and SBE*320 (Anderson Power Products®: "A" TYPE (Grey) P/N 995G2 or equivalent)

Battery Lead: Length 20" (508 mm), Position "B", 4/0 AWG

Battery Notes - Rapid / Fast Charging (Option BARFBC)

Battery Connector: Requires Dual Positive / Negative Cabling terminating in (2) Female EBC-320 DIN Connectors

(Anderson Power Products® P/N E32504-00X9 or equivalent)

Each individual DIN connector to include 1 Red Conductor to (+) and 1 black conductor to (-)

Battery Lead: Length 25" (635 mm), Position "B", Minimum Cable Size 4/0 AWG

FEATURES LIST

PERFORMANCE	STD	OPT	ERGONOMICS CONTINUED	STD	OPT
36-Volt electrical system	●		Full-suspension seat (vinyl or cloth)		●
AC traction and pump motors (completely brushless)	●		Full-suspension swivel seat (vinyl or cloth)		●
Transistor drive and pump control	●		Seatside directional control		●
Advanced VSM (Vehicle System Manager)	●		Telescoping steering column with tilt memory		●
Regenerative braking	●		LED dome/reading light		●
48-Volt electrical system		●	Rear drive handle with horn button		●
80-Volt electrical system		●	Dual rear view mirrors		●
Reverse Speed System		●	Panoramic rear view mirror		●
DRIVE	STD	OPT	Red, high-visibility, non-cinch seat belt with or without interlock		●
Smooth tread rubber drive tire and steer tire	●		Low mount display		●
Non-marking, rubber, or lug tread tires		●	Accutouch mini-levers		●
Wide tread tires		●	OPERATION	STD	OPT
LIFT	STD	OPT	Standard environmental construction	●	
2-stage limited free lift (LFL) mast with maximum fork height of 120" (3050mm) (ERC080VH)	●		Key switch start	●	
2-stage limited free lift (LFL) mast with maximum fork height of 109" (2790mm) (ERC100-120VH)	●		94" grid style overhead guard	●	
5° forward and 5° back mast tilt	●		3-function hydraulic control valve	●	
2-stage full free lift (FFL) mast		●	Fully integrated CANbus communication	●	
3-stage full free lift (FFL) mast		●	Battery removal without rollers - lift out	●	
8° forward / 5° back tilt		●	Static strap	●	
HANDLING	STD	OPT	Tow pin	●	
42" (1067mm) wide hook-type carriage with 48" (1219mm) high load backrest extension	●		Type "E" UL construction	●	
42" (1067mm) long forks	●		Continuous Stability System (CSS™)	●	
48" (1220mm) wide hook type carriage w/ 48" high load backrest extension		●	Cooler / freezer package – operating temperatures: -20°F to +120° F		●
42" (1067mm) wide attachment carriage (ERC100VH/VHS)		●	4-function hydraulic control valve	●	
42" (1067mm) wide integral side shift (ERC080VH)		●	Horizontal battery extraction (rollers)	●	
48" (1220mm) integral sideshift carriage		●	Keyless start (with auxiliary key switch)	●	
Multiple fork lengths		●	LED brake/tail/back-up light packages	●	
Return to set tilt		●	LED and halogen work light packages	●	
Hydraulic attachment extension tubes with or without quick disconnect fittings		●	Key switch controlled lights	●	
Load weight indicator		●	Audible alarm - reverse operation (manually adjustable to 87, 97 or 102 dB)		●
Accumulator		●	Visible amber strobe light - continuous activated, overhead guard mounted		●
ERGONOMICS	STD	OPT	Fire extinguisher - 2.5lb dry chemical		●
Foot Directional Control Pedal	●		Impact monitor with programmable shutdown		●
Mechanical hydraulic levers	●		Operator password start interlock		●
Steering wheel w/ integral spinner knob	●		Operator daily checklist		●
Non-suspension vinyl seat	●		System monitor - hydraulic low fluid level indicator and hydraulic filter service indicator		●
Black, non-cinch seat belt with Emergency Locking Retractor (ELR)	●		Programmable maintenance reminder		●
Automatic park brake	●		Rapid / fast charge		●
Power assist braking	●		Type "EE" UL construction	●	
On-demand hydrostatic power-assist steering	●		12-Volt auxiliary power supply	●	
Auto Deceleration System	●		Auxiliary DC-DC converter	●	
Multifunction display (high mount)	●		91" grid style overhead guard	●	
Easy ingress/egress with low step height and contoured handhold	●		87" flat plate overhead guard	●	
Operator convenience station	●		Yale Reliant™		●
Adjustable tilt steering column	●		Yale Vision		●
Operator Presence System (OPS)	●		SUPPLEMENTAL	STD	OPT
Cushioned Floormat	●		Operating manual	●	
Seatside power disconnect button	●		12 month / 2,000 hour full truck warranty	●	
Non-suspension cloth seat		●	36 month / 6,000 hour powertrain warranty	●	

About Yale



Yale Lift Truck Technologies leverages over a century of material handling experience and substantial investment in innovation to bring the most advanced technology-driven lift truck solutions to market. The company offers a full line of award-winning lift trucks, including reach trucks, order pickers, turret trucks, pallet jacks and trucks, pallet stackers, tow tractors and counterbalanced forklifts, as well as powerful operator assist solutions, proven robotics and a wide range of power sources to help customers adapt to today's demanding supply chain. Yale and its independent dealer network support these solutions with comprehensive after-sales service, parts, financing and training.

MATERIALS HANDLING FOR:

Third-party logistics (3PL)

Auto parts distribution

Beverage

Cold & frozen foods

Food distribution

Food processing

Furniture & furnishings

Government

Health & pharma

Home centers & durables


Retail & e-commerce

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Trucks may be shown with optional equipment and/or features not available in all regions. Truck performance may be affected by the condition of the vehicle, how it is equipped and the application. Specifications are subject to change without notice. Consult your Yale® Dealer if any of the information shown is critical to your application.

CERTIFICATION: Yale lift trucks meet the design and construction requirements of B56.1-1969, per OSHA Section 1910.178(a)(2), and also comply with the B56.1 revision in effect at time of manufacture. Classified by Underwriters' Laboratories, Inc.