



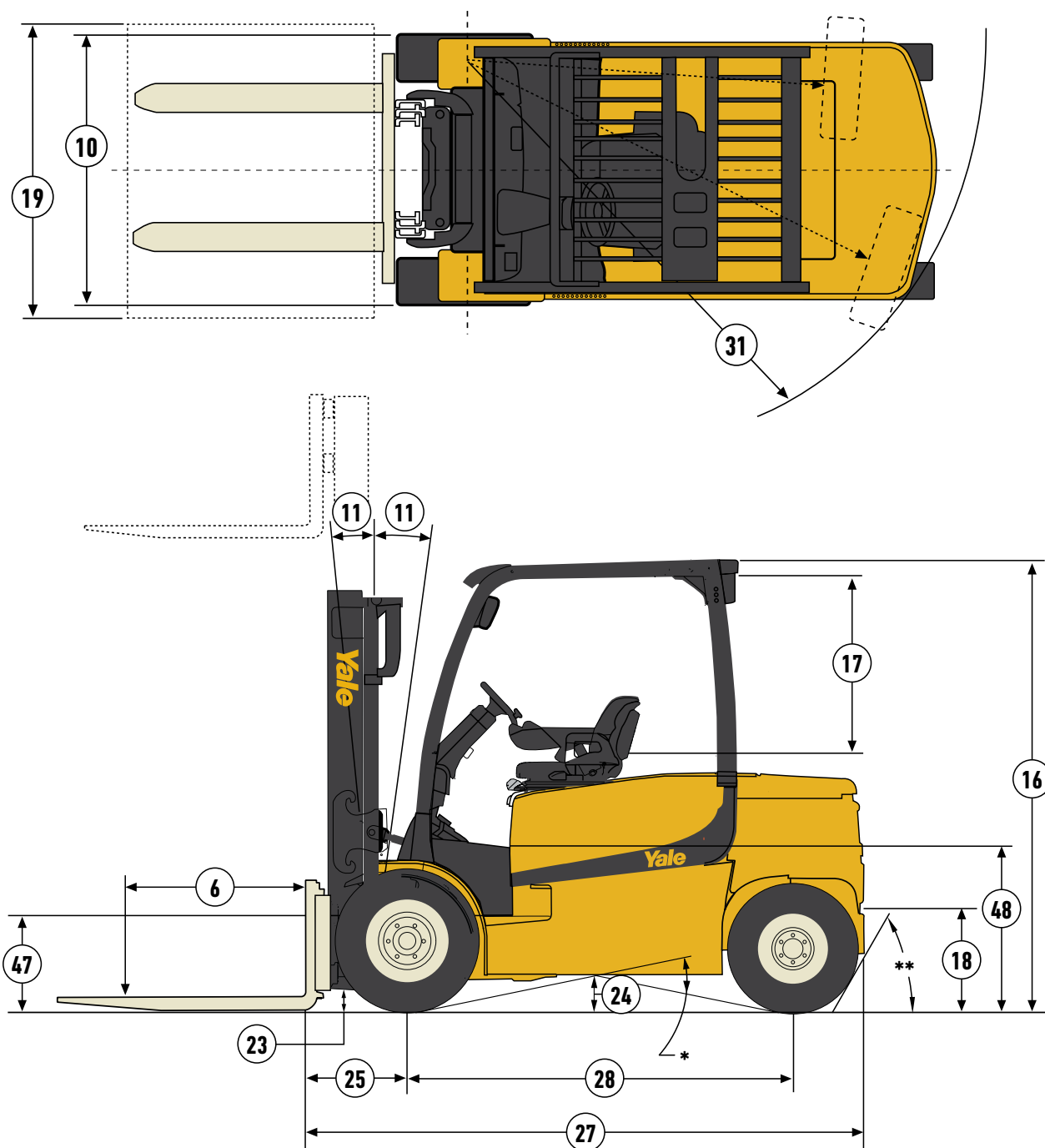
# ERP 080-120VM

SPEC SHEET

Pneumatic tire electric  
counterbalanced forklift

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8,000-12,000 lbs.



**\* GROUND CLEARANCE GRADE**

VBE Vertical battery extraction	HBE Horizontal battery extraction	Models
20.5 inches	18.8 inches	ERP080VM, ERP090VM, ERP100VM
19.1 inches	17.4 inches	ERP100VML, ERP110VM, ERP120VM

**\*\* COUNTERWEIGHT ANGLE**

Degree	Models
61°	ERP080VM, ERP090VM, ERP100VM
75°	ERP100VML, ERP110VM, ERP120VM

Circled truck dimensions correspond to the line numbers in the General Specifications chart. Dimensions are listed in inches (millimeters).

# GENERAL SPECIFICATIONS - ERP080VM, ERP090VM, ERP100VM, ERP100VML

GENERAL	1	Manufacturer			Yale				
	2	Model designation			ERP080VM	ERP090VM	ERP100VM	ERP100VML	
	3	Power/voltage			Electric/80 Volts				
	4	Operation			Sit				
	5	Rated capacity		lb. (kg)	8000 (3629)	9000 (4082)	10000 (4536)		
	6	Load center		in. (mm)	24 (610)				
TIRES	7	Tire type - cushion, solid, pneumatic, etc.		Std/opt		Pneumatic/pneumatic shaped solid		Pneu./pneu. shaped solid	Pneumatic shaped solid
	8	Tire size (standard)		Drive/steer		in. (mm)	250 x 15 20 Ply / 7.00 x 12 16 Ply	28 x 12.5-15 24 Ply / 7.00 x 12 16 Ply	355/50-15 / 28 x9-15
	9	Wheels - number	X=driven	Drive/steer		2X/2			
	10	Tread		Drive/steer		See Tread Chart on page 6			
DIMENSIONS	11	Mast tilt	Std Opt Opt	degrees		6F/6B 6F/8B 6F/4B			
	12	Mast - lowered height	Std mast		in. (mm)	92 (2320)			
	13	Free lift - top of fork	Std 2-stg limited free lift mast		in. (mm)	5 (150)			
	14	Lift height - top of fork	Std 2-stg limited free lift mast		in. (mm)	131 (3350)		121 (3090)	
	15	Mast - extended height	Std mast with/without LBR		in. (mm)	181/162 (4591/4109)		172/159 (4364/4030)	
	16	Overhead guard height			in. (mm)	92 (2338 )			
	17	SIP to bottom of OHG	Seat depressed	Std/susp/swivel		in. (mm)	38.5/39.1/38.5 (977/992/978)		
	18	Tow pin height	Vertical center of pin		in. (mm)	20.7 (526)			
	19	Overall width		Drive tires		See overall width chart on page 6			
	20	Forks	Thickness x width x length		in. (mm)	2.0 x 4.9 x 48 (50 x 125 x 1219)	2.0 x 5.9 x 48 (50 x 150 x 1219)	2.0 x 4.9 x 48 (50 x 125 x 1219)	
	21	Standard carriage width	Class III (8000-9000 lb.) Class IV (10000 - 12000 lb.)		in. (mm)	48 (1219)			
	23	Ground clearance	Lowest point			See ground clearance chart on page 6			
	24		Vertical battery extraction		in. (mm)	7.2 / 7.0 (183 / 177)			
	24		Horizontal battery extraction		6.6 / 6.3 (167 / 161)				
	25	Load distance	Center of wheel to face of forks		in. (mm)	20.6 (523)			
	26a	Battery compartment	Height	w/Vertical battery removal	in. (mm)	31.8 (808)			
	26b		Width		in. (mm)	40.8 (1037)			
	26c		Nominal (std/opt)		SIZE	40/34		40	
	26d		Length		Actual (std/opt)	in. (mm)	39.6/33.8 (1006/859)		39.6 (1006)
	27	Length to face of forks	Chassis length		in. (mm)	114.5 (2908)		120.8 (3068)	
	28	Wheelbase			in. (mm)	79.5 (2020)		85.8 (2180)	
	29	Right angle stack			in. (mm)	163.9 (4164)		170.2 (4323)	
	30	Equal aisle	90° Intersecting aisle		in. (mm)	91.4 (2322)		95.9 (2436)	
	31	Outside turning radius			in. (mm)	94.9 (2411)		101.3 (2573)	
WEIGHT	32	Truck weight	Without battery	NL	lb. (kg)	11080 (5026)	11390 (5166)	12220 (5543)	13710 (6219)
	33	Axle loading - drive	Static with max. wt. battery	NL/RL	lb. (kg)	8791/21276 (3988/9651)	8912/22958 (4042/10414)	9341/25235 (4237/11446)	9816/25354 (4452/11500)
	34	Axle loading - steer	Static with max. wt. battery	NL/RL	lb. (kg)	7687/3201 (3487/1452)	7870/2824 (3570/1281)	8272/2378 (3752/1079)	9287/3750 (4213/1701)
PERFORMANCE					Standard performance				
	35a	Travel speed	Extended shift on	NL/RL	mph (km/h)	11.0/9.9 (17.7/15.9)	10.7/9.5 (17.2/15.3)	10.4/9.4 (16.7/15.1)	11.6/9.1 (18.7/14.7)
	35b		Extended shift off	NL/RL	mph (km/h)	13.0/12.4 (21.0/20.0)			
	36a	Lift speed, extended shift on	Std 2-stg LFL mast	NL/RL	ft/min (m/sec)	118/87 (0.60/0.44)		93/71 (0.47/0.36)	91/61 (.46/0.31)
	36b		Opt 2-stg FFL mast	NL/RL	ft/min (m/sec)	107/78 (0.542/0.398)		87/67 (0.444/0.34)	83/59 (.422/.3)
	36c		Opt 3-stg FFL mast	NL/RL	ft/min (m/sec)	110/81 (0.56/0.411)		89/68 (0.452/0.346)	85/60 (.434/.303)
	36d	Lift speed, extended shift off	Std 2-stg LFL mast	NL/RL	ft/min (m/sec)	118/87 (0.60/0.44)		93/71 (0.47/0.36)	96/69 (.49/.35)
	36e		Opt 2-stg FFL mast	NL/RL	ft/min (m/sec)	107/78 (0.542/0.398)		87/67 (0.444/0.34)	89/66 (.452/.334)
	36f		Opt 3-stg FFL mast	NL/RL	ft/min (m/sec)	110/81 (0.56/0.411)		89/68 (0.452/0.346)	91/67 (.464/.339)
	37a	Lower speed	Std 2-stg LFL mast	NL/RL	ft/min (m/sec)	94/104 (0.48/0.53)		73/89 (0.37/0.45)	71/91 (.36/.46)
	37b		Opt 2-stg FFL Mast	NL/RL	ft/min (m/sec)	75/91 (0.38/0.46)		57/81 (0.29/0.41)	55/83 (.28/.42)
	37c		Opt 3-stg FFL mast	NL/RL	ft/min (m/sec)	77/98 (0.39/0.50)		63/87 (0.32/0.44)	61/89 (.31/.45)
	38a	Gradeability	5 Minute rating	NL/RL	%	23/15.6	22.7/14.9	22.2/14.1	21.9/14.3
	38b		60 Minute rating	NL/RL	%	8.4/5.8	8.3/5.5	8.1/5.2	4.7/3.2
	39a	Drawbar pull	5 Minute rating	NL/RL	lbf	3985/3867	4025/3908	4022/3907	4020/3898
	39b		60 Minute rating	NL/RL	lbf	1475/1444	1493/1460	1490/1458	1485/1451
	40a	Brake	Method of control		Service/parking	Hydraulic/spring applied			
	40b		Method of operation		Service/parking	Foot/automatic			
ELECTRIC	41	Battery		Type	Lead acid   Thin Plate Pure Lead*   Lithium-ion*				
	42	Traction motors (dual)	60 Minute rating	Each	hp (kW)	19.7 (14.7)			
	43	Pump motor		15 Minute rating	hp (kW)	48.3 (36)			
	44	Traction motors		Type/control method	Dual AC/transistor				
	45	Pump motor		Type/control method	AC/transistor				
	46	Number of speeds		Traction/pump	Infinitely variable/infinitely variable				
OTHER	47	Step height			in. (mm)	19.3 (490)			
	48	Floor height			in. (mm)	33.1 (840)			
	49	Attachment relief pressure			psi (bar)	2250 (155)			
	50	Auxiliary oil flow	3rd and 4th function		gal/min (l/min)	16 (60)			
	51a	Sound level		Extended shift on	dB (A)	68			
	51b	(Measured per ANSI B56.11.5)		Extended shift off	dB (A)	69			

\*Optional with Yale Power Key

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 - ERP110VM, ERP120VM

GENERAL	1	Manufacturer			Yale		
	2	Model designation			ERP110VM		ERP120VM
	3	Power/voltage			Electric/80 Volts		
	4	Operation			Sit		
	5	Rated capacity		lb. (kg)	11000 (4990)		12000 (5443)
	6	Load center		in. (mm)	24 (610)		
TIRES	7	Tire type - cushion, solid, pneumatic, etc.		Std/opt		Pneumatic shaped solid	
	8	Tire size (standard)		Drive/steer	in. (mm)	355/50-15/28 x 9-15	
	9	Wheels - number	X=driven	Drive/steer		2X/2	
	10	Tread		Drive/steer		See tread chart on page 6	
DIMENSIONS	11	Mast tilt	Std Opt Opt	degrees	6F/6B 6F/8B 6F/4B		
	12	Mast - lowered height	Std mast		in. (mm)	92 (2320)	
	13	Free lift - top of fork	Std 2-stg limited free lift mast		in. (mm)	5 (150)	6 (160)
	14	Lift height - top of fork	Std 2-stg limited free lift mast		in. (mm)	121 (3090)	122 (4000)
	15	Mast - extended height	Std mast with/without LBR		in. (mm)	172/159 (4364/4034)	
	16	Overhead guard height			in. (mm)	92 (2338 )	
	17	SIP to bottom of OHG	Seat depressed	Std/susp/swivel	in. (mm)	38.5/39.1/38.5 (977/992/978)	
	18	Tow pin height	Vertical center of pin		in. (mm)	20.7 (526)	
	19	Overall width (drive tires)			See overall width chart on page 6		
	20	Forks	Thickness x width x length		in. (mm)	2.0 x 4.9 x 48 (50 x 125 x 1219)	2.4 x 5.9 x 48 (60 x 150 x 1219)
	21	Standard carriage width	Class III (8000-9000 lb.) Class IV (10000 - 12000 lb.)		in. (mm)	48 (1219)	
	23			Lowest point	See ground clearance chart on page 6		
	24	Ground clearance	Vertical battery extraction Horizontal battery extraction		in. (mm)	7.2 / 7.0 (183 / 177) 6.6 / 6.3 (167 / 161)	
	25	Load distance	Center of wheel to face of forks		in. (mm)	20.6 (523)	
	26a	Battery compartment	Height	w/Vertical battery removal	in. (mm)	31.8 (808)	
	26b		Width		in. (mm)	40.8 (1037)	
	26c			Nominal (std/opt)	SIZE	40	
	26d		Length	Actual (std/opt)	in. (mm)	39.6 (1006)	
	27	Length to face of forks	Chassis length		in. (mm)	120.8 (3068)	
	28	Wheelbase			in. (mm)	85.8 (2120)	
	29	Right angle stack			in. (mm)	170.2 (4323)	
	30	Equal aisle	90° Intersecting aisle		in. (mm)	95.9 (2436)	
	31	Outside turning radius			in. (mm)	101.3 (2537)	
WT.	32	Truck weight	Without battery	NL	lb. (kg)	13930 (6319)	14510 (6582)
	33	Axle loading - drive	Static with max. wt. battery	NL/RL	lb. (kg)	9838/26931 (4463/12216)	10118/28726/(4589/13030)
	34	Axle loading - steer	Static with max. wt. battery	NL/RL	lb. (kg)	9485/3393 (4302/1539)	9789/3180 (4440/1442)
PERFORMANCE					Standard performance		
	35a	Travel speed	Extended shift on	NL/RL	mph (km/h)	11.6/9.0 (18.7/14.5)	11.6/9.0 (18.7/14.5)
	35b		Extended shift off	NL/RL	mph (km/h)	13.0/12.4 (21.0/20.0)	13.0/12.1 (21.0/19.5)
	36a	Lift speed, extended shift on	Std 2-stg LFL mast	NL/RL	ft/min (m/sec)	91/59 (.46/.30)	91/59 (.46/.30)
	36b		Opt 2-stg FFL mast	NL/RL	ft/min (m/sec)	83/58 (.422/.295)	83/58 (.422/.295)
	36c		Opt 3-stg FFL mast	NL/RL	ft/min (m/sec)	85/58 (.434/.297)	85/58 (.434/.297)
	36d		Std 2-stg LFL mast	NL/RL	ft/min (m/sec)	96/67 (.49/.34)	96/65 (.49/.33)
	36e	Lift speed, extended shift off	Opt 2-stg FFL mast	NL/RL	ft/min (m/sec)	89/65 (.452/.33)	89/64 (.452/.352)
	36f		Opt 3-stg FFL mast	NL/RL	ft/min (m/sec)	91/66 (.464/.333)	91/66 (.464/.327)
	37a	Lower speed	Std 2-stg LFL mast	NL/RL	ft/min (m/sec)	71/91 (.36/.46)	71/91 (.36/.46)
	37b		Opt 2-stg FFL Mast	NL/RL	ft/min (m/sec)	55/83 (.28/.42)	55/83 (.28/.42)
	37c		Opt 3-stg FFL mast	NL/RL	ft/min (m/sec)	61/89 (.31/.45)	61/89 (.31/.45)
	38a	Gradeability	5 Minute rating	NL/RL	%	21.5/13.7	21.0/13.0
	38b		60 Minute rating	NL/RL	%	4.6/3.0	4.5/2.9
	39a	Drawbar pull	5 Minute rating	NL/RL	lbf	4020/3895	4018/3892
	39b		60 Minute rating	NL/RL	lbf	1484/1448	1483/1445
	40a	Brake	Method of control	Service/parking		Hydraulic/spring applied	
40b	Method of operation		Service/parking		Foot/automatic		
ELECTRIC	41	Battery		Type	Lead acid   Thin Plate Pure Lead*   Lithium-ion*		
	42	Traction motors (dual)	60 Minute rating	Each	hp (kW)	19.7 (14.7)	
	43	Pump motor	15 Minute rating		hp (kW)	48.3 (36)	
	44	Traction motors	Type/control method		Dual AC/transistor		
	45	Pump motor	Type/control method		AC/transistor		
	46	Number of speeds	Traction/pump		Infinitely variable/infinitely variable		
OTHER	47	Step height		in. (mm)	19.3 (490)		
	48	Floor height		in. (mm)	33.1 (840)		
	49	Attachment relief pressure		psi (bar)	2250 (155)		
	50	Auxiliary oil flow	3rd and 4th function		gal/min (l/min)	16 (60)	
	51a	Sound level	Extended shift on		dB (A)	68	
	51b	(Measured per ANSI B56.11.5)	Extended shift off		dB (A)	69	

\*Optional with Yale Power Key

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.

## MAST DIMENSIONS - ERP080-090VM

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)					
2-STAGE LIMITED FREE LIFT (LFL) HI-VIS™ MAST					
131 (3350)	92 (2320)	181 (4591)	162 (4109)	5 (150)	5 (150)
143 (3650)	98 (2470)	193 (4891)	174 (4409)	5 (150)	5 (150)
167 (4250)	110 (2770)	217 (5491)	198 (5009)	5 (150)	5 (150)
2-STAGE FULL FREE LIFT (FFL) HI-VIS™ MAST					
132 (3375)	92 (2320)	182 (4622)	165 (4187)	42 (1079)	59 (1514)
144 (3675)	98 (2470)	194 (4922)	177 (4487)	48 (1229)	65 (1664)
3-STAGE FULL FREE LIFT (FFL) HI-VIS™ MAST					
185 (4715)	90 (2270)	235 (5962)	218 (5527)	40 (1029)	57 (1464)
194 (4950)	94 (2370)	244 (6197)	227 (5762)	44 (1129)	61 (1564)
206 (5250)	98 (2470)	256 (6497)	239 (6062)	48 (1229)	65 (1664)
218 (5550)	102 (2570)	268 (6797)	251 (6362)	52 (1329)	69 (1764)
236 (6000)	110 (2770)	286 (7247)	269 (6812)	60 (1529)	77 (1964)

## MAST DIMENSIONS - ERP100-120VM

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)					
2-STAGE LIMITED FREE LIFT (LFL) HI-VIS™ MAST					
121 (3090)	92 (2320)	172 (4364)	159 (4030)	5 (150)	5 (150)
133 (3390)	98 (2470)	184 (4664)	171 (4330)	5 (150)	5 (150)
157 (3990)	110 (2770)	208 (5264)	195 (4930)	5 (150)	5 (150)
2-STAGE FULL FREE LIFT (FFL) HI-VIS™ MAST					
122 (3115)	92 (2320)	173 (4389)	162 (4107)	41 (1052)	52 (1334)
134 (3415)	98 (2470)	185 (4689)	174 (4407)	47 (1202)	58 (1484)
3-STAGE FULL FREE LIFT (FFL) HI-VIS™ MAST					
174 (4437)	90 (2270)	225 (5711)	214 (5429)	39 (996)	50 (1278)
184 (4690)	94 (2370)	235 (5964)	224 (5682)	43 (1096)	54 (1378)
196 (4990)	98 (2470)	247 (6264)	236 (5982)	47 (1196)	58 (1478)
208 (5290)	102 (2570)	259 (6564)	248 (6282)	51 (1296)	62 (1578)

## TREAD (DRIVE AND STEER TIRES) - ERP080-120VM

Tire type	Drive tire / steer tire	ERP080VM	ERP090VM	ERP100VM	ERP100VML	ERP110VM	ERP120VM
		in. (mm)					
Pneumatic tire	250 x 15 20 Ply / 7.00 x 12 16 Ply	44.2 / 45.0 (1123 / 1143)		N/A		N/A	
PSS tires	250 x 15-7.5 / 7.00 x 12 / 5.0	44.2 / 45.0 (1123 / 1143)		N/A		N/A	
Pneumatic tire	28 x 12.5-15 24 Ply / 7.00 x 12 16 Ply	45.9 / 45.0 (1167 / 1143)				N/A	
PSS tires	355 / 50-15 / 7.00 x 12 / 5.0	45.9 / 45.0 (1167 / 1143)				N/A	
Pneumatic tire (dual drive)	7.00 x 15 14 Ply / 7.00 x 12 16 Ply	60.1 / 45.0 (1526 / 1143)				N/A	
PSS Tires (dual drive)	7.00 x 15-5.5 / 7.00 x 12 / 5.0	60.1 / 45.0 (1526 / 1143)				N/A	
PSS Tires	355 / 50-15 / 28 x 9-15	N/A				45.9 / 45.0 (1167 / 1143)	
PSS Tires (dual drive)	700 x 15 / 5.5 / 28 x 9-15	N/A				60.1 / 45.0 (1526 / 1143)	

## OVERALL WIDTH (DRIVE TIRES) - ERP080-120VM

Tire type	Drive tire	ERP080VM	ERP090VM	ERP100VM	ERP100VML	ERP110VM	ERP120VM
		in. (mm)					
Pneumatic tires	250 x 15 20 Ply	54.1 (1373)		N/A		N/A	
PSS tires	250 x 15-7.5	54.7 (1388)		N/A		N/A	
Pneumatic tires	28 x 12.5-15 24 Ply	58.0 (1472)				N/A	
PSS tires	355/50-15	57.1 (1451)				57.1 (1451)	
Pneumatic tires (dual drive)	7.00 x 15 14 Ply	67.9 (1724)				N/A	
PSS tires (dual drive)	7.00 x 15-5.5	68.5 (1739)				68.5 (1739)	

## GROUND CLEARANCE (LOWEST POINT) - ERP080-120VM

	ERP080VM	ERP090VM	ERP100VM	ERP100VML	ERP110VM	ERP120VM
	NL / RL in. (mm)					
250 x 15 20 Ply	5.7/4.9 (144/125)		N/A		N/A	
250 x 15-7.5	5.6/5.1 (141/130)		N/A		N/A	
28 x 12.5-15 24 Ply	5.8/5.0 (148/128)				N/A	
355/50-15	5.6/5.3 (143/135)				5.6/5.3 (143/135)	
7.00 x 15 14 Ply (Dual drive)	6.1/5.3 (156/135)				N/A	
7.00 x 15-5.5 (Dual drive)	5.7/5.3 (145/135)				5.7/5.3 (145/135)	

## BATTERY AND COMPARTMENT SPECIFICATIONS - ERP080-120VM

Battery compartment dimensions				Battery dimensions and specifications							
Truck model	Width	Length	Height	"X"	"Y"	"Z"	Volts	No. of cells	Max capacity 6 hr rate	Weight	
	in. (mm)			in. (mm)					amp Hr (kWh)	Min	Max
										lbs. (kg)	
ERP080-120VM 40" compartment	40.8 (1037)	39.6 (1006)	31.8 (808)	40.6 (1030)	39.4 (1000)	31.4 (798)	80	40	840 (65.2)	4600 (2080)	5400 (2440)
ERP080/090VM 34" compartment	40.8 (1037)	33.8 (859)	31.8 (808)	40.6 (1030)	33.1 (840)	31.4 (798)	80	40	700 (54.3)	4400 (1991)	5100 (2319)

Battery type: "E0" (without cover)

Max allowable battery capacity per UL is 1000 amp hr (77.6 kwh)

Commercially available lead acid or lithium-ion batteries may not necessarily reach these max limits

34" compartment achieved by use of a front compartment spacer - reduces compartment length from 39.6" to 33.8"

Allows use of 31.5" - 33" (800 - 840 mm) battery in the 40" (1006 mm) battery compartment

Battery compartment length is measured front to rear. Battery compartment width is measured across the truck.

Battery notes - conventional charging (option BCSSBC)

Battery connector: 80 volt - black SBE\*320

Anderson Power Products\* P/N E6363G2 (3/0 AWG), E6363G3 (4/0 AWG) or equivalent

Battery lead: length 20" (508 mm), position "A", minimum cable size 3/0 AWG

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

Battery notes - premium, fully integrated "quick connect" rapid / fast charging (option BARFBC)

NOTE: A site survey is required to confirm your application is a candidate for rapid charge and to determine the battery and charger specifications required. Contact your battery and charger supplier.

Battery connector: Requires positive / negative cabling terminating in (1) female EBC-320 DIN connector

Anderson Power Products\* P/N E32595-00X9 (3/0 AWG), A32504-00X9 (4/0 AWG) or equivalent. (X = auxiliary contacts)

DIN connector to include 1 red conductor to (+) and 1 black conductor to (-)

Battery lead: length 20" (508 mm), position "A", minimum cable size 3/0 AWG

## FEATURES LIST

PERFORMANCE	STD	OPT
80-volt electrical system	●	
AC traction and pump motors (completely brushless)	●	
Transistor drive and pump control	●	
Advanced VSM (Vehicle System Manager)	●	
Dual drive motors	●	
Wet disc brakes	●	
Regenerative braking	●	
"Zero turn radius" turning	●	
Reverse Speed System		●
DRIVE	STD	OPT
Pneumatic drive & steer tires (ERP080-100VM)	●	
Pneumatic shaped solid drive & steer tires (ERP100VML,ERP110-120VM)	●	
Pneumatic Shaped Solid drive & steer tires (ERP080-100VM)		●
Dual drive tires		●
LIFT	STD	OPT
2-stage limited free lift (LFL) mast with maximum fork height of 131" (ERP080-090VM)	●	
2-stage limited free lift (LFL) mast with maximum fork height of 121" (ERP100-120VM)	●	
6° forward/6° back tilt	●	
2-stage full free lift mast		●
3-stage full free lift mast		●
6° forward / 8° back tilt		●
6° forward / 4° back tilt		●
HANDLING	STD	OPT
48" hook type carriage w/ 48" high load backrest extension	●	
48" long forks	●	
54" & 60" hook type carriages w/ 48" high load backrest extension		●
54" attachment carriage		●
48" & 60" Integral sideshift carriages (ERP080-090VM)		●
54" & 60" Integral sideshift carriages (ERP100-120VM)		●
Multiple fork lengths		●
Return to set tilt		●
Hydraulic attachment extension tubes with or without quick disconnect fittings		●
Load weight indicator		●
Accumulator		●
ERGONOMICS	STD	OPT
Seat side directional control	●	
Mechanical hydraulic levers	●	
Steering wheel w/ integral spinner knob	●	
Non-suspension vinyl seat	●	
Black, non-cinch seat belt with Emergency Locking Retractor (ELR)	●	
Automatic park brake	●	
Power assist braking	●	
On-demand hydrostatic power-assist steering	●	
Auto Deceleration System	●	
Multifunction display (high mount)	●	
Easy ingress/egress with low step height and contoured handhold	●	
Operator convenience station	●	
Adjustable tilt steering column with low profile cowl for excellent visibility	●	
Operator Presence System (OPS)	●	
Cushioned floormat	●	
Seatside power disconnect button	●	
Non-suspension cloth seat		●
Full-suspension seat (vinyl or cloth)		●
Full-suspension swivel seat (vinyl or cloth)		●
Foot Directional Control Pedal		●
Telescoping steering column with tilt memory		●

ERGONOMICS CONTINUED	STD	OPT
LED dome/reading light		●
Rear drive handle with horn button		●
Dual side view mirrors		●
Panoramic mirror		●
Red, high-visibility, non-cinch seat belt with or without interlock		●
Low mount display		●
Accutouch mini-levers		●
OPERATION	STD	OPT
Standard environmental construction	●	
Key switch start	●	
92" grid style overhead guard	●	
3-function hydraulic control valve	●	
Fully integrated CANbus communication	●	
Battery removal without rollers - lift out	●	
Static strap	●	
Tow pin	●	
Type "E" UL construction	●	
Continuous Stability System (CSS™)	●	
Outdoor protection/wash-down package	●	
Front mud guards	●	
Cooler / freezer package – operating temperatures: -20°F to +120°F		●
4-function hydraulic control valve		●
Horizontal battery extraction (rollers or fork pocket)		●
Side battery extraction		●
Keyless start (with auxiliary key switch)		●
LED brake/tail/back-up light packages		●
LED and halogen work light packages		●
Key switch controlled lights		●
Audible alarm - reverse operation (manually adjustable to 87, 97 or 102 dB)		●
Visible amber strobe light - continuous activated, overhead guard mounted		●
Fire extinguisher - 2.5lb dry chemical		●
Impact monitor with programmable shutdown		●
Operator password start interlock		●
Operator daily checklist		●
System monitor - hydraulic low fluid level indicator and hydraulic filter service indicator		●
Programmable maintenance reminder		●
Premium, fully integrated "quick connect" rapid charge system		●
Full steel cab		●
Front, top and rear cab panels		●
Tilt cylinder boots		●
Type "EE" UL construction		●
Vented battery side covers		●
Hydraulic oil cooler		●
12-Volt auxiliary power supply		●
Heater & defroster		●
Auxiliary DC-DC converter		●
Yale Vision		●
Yale Reliant™		●
ENERGY SYSTEM	STD	OPT
Lead acid	●	
Yale Power Key		●
SUPPLEMENTAL	STD	OPT
Operating manual	●	
12 Month / 2,000 hour full truck warranty	●	
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.