

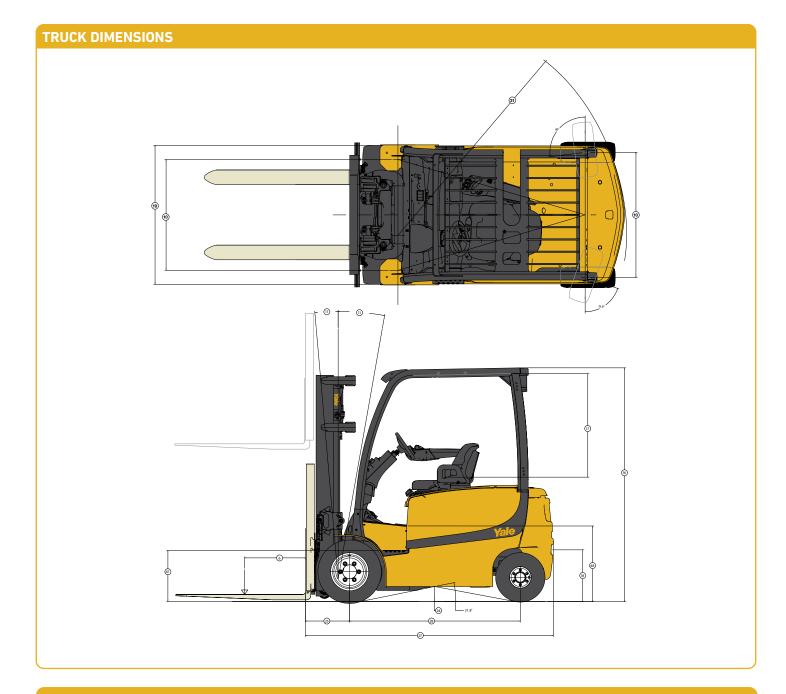


## Electric Powered Pneumatic Tire Truck



## **SPEC SHEET**

Models: ERP045VL, ERP050VL ERP060VL, ERP070VL



BATTERY AND COMPARTMENT SPECIFICATIONS													
	Com	partment S	izo	Battery Specifications									
	Model	Com	ipai tillelit 3	126	Electrical Size						Weight		
		W in (mm)	L in (mm)	H in (mm)	Volts	No. of Cells	Plates per Cell	Max Am Hr (kWh)	W Max in (mm)	L Max in (mm)	H Max in (mm)	Min lbs (kg)	Max lbs (kg)
	Vertical Extract	40.7 (1034)	· ,	31.2 (792)		Cells	per cett	1000 (77.6)	40.5 (1028)	28.0 (711)	30.9 (784)	3700 (1886)	4100
J45-50XN 28"	Horizontal Removal - Roller	40.7 (1034)	28.2 (717)	31.1 (789)	80	/0			40.5 (1028)	28.0 (711)	30.7 (784)		
Compartment				. , , , ,		40	9			,	,		(1878)
	Horizontal Removal - Forklift		28.0 (712)	31.3 (796)					40.4 (1026)	27.8 (706)	31.0 (788)		
50-70XN 34"	Vertical Extract	40.7 (1034)	33.9 (861)	31.2 (792)				1000	40.5 (1028)	33.7 (855)	30.9 (784)	/500	/000
Compartment	Horizontal Removal - Roller	40.7 (1034)	33.9 (861)	31.1 (789)	80	80 40	11	1000 (77.6)	40.5 (1028)	33.7 (855)	30.8 (782)	4500 (2021)	4900 (2233)
Compartment	Horizontal Removal - Forklift	40.4 (1028)	33.7 (856)	31.3 (796)				(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	40.4 (1026)	33.5 (850)	31.0 (788)	(====1/	

Battery Type: "EO" (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 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 (Anderson Power Products®
SBE®320 P/N 636361 or REMA® SRE 320 P/N 78350-05)
Battery Lead: Length 30" (762 mm), Position "A", 2/0 AWG

Battery Notes - Rapid / Fast Charging (Option BARFBC)
Battery Connector: Requires Positive / Negative Cabling
terminating in (1) Female EBC-320 DIN Connector
(Anderson Power Products\* P/N E32503-00X9 or REMA\* 95625-X1)
DIN connector to include 1 Red Conductor to (+) and 1 black conductor to (-)
Battery Lead: Length 36" (915 mm), Position "A", Minimum Cable Size 3/0 AWG

Battery Notes - Premium, Fully Integrated "Quick Connect" Rapid / Fast Charging Battery Connector: Requires Positive / Negative Cabling terminating in (1) Female EBC-320 DIN Connector (Anderson Power Products® P/N E32503-00X9 or REMA® 95625-X1) DIN connector to include 1 Red Conductor to (+) and 1 black conductor to (-) Battery Lead: Length 36" (915 mm), Position "A", Minimum Cable Size 3/0 AWG

G	ENE	ERAL SPECIFICATIONS	ERP045VL							
	1	Manufacturer				V	ale*			
	2	Model Designation					045VL			
귛	3	-								
GENERAL		Power/Voltage					/80 Volts			
E G	4	Operation			н (1-)		Sit (20/1)			
	5	Rated Capacity			lb. (kg)		(2041)			
	6	Load Center			in. (mm)		(610)			
,,	7	Tire Type (Std/Opt)			in.		matic Shaped Solid			
TIRES	8	Tire Size (Drive/Steer)					2/18 x 7 - 8			
-	9	Wheels – Number X=Driven (Drive/Steen	Ctr. of Tires	Std Dr/Wide Dr/Steer	front/rear		X/2 (938/1054/992)			
	10	Tread		Std Dr/Wide Dr/Steer	in. (mm)		, ,			
	11	Mast Tilt	Std Opt Opt		degrees		F/5B 5F/6B			
		12         Mast - Lowered Height         Std Ma           13         Free Lift - Top of Fork         Std 20		- 1.00 M	in. (mm)		2192)			
	13	Free Lift - Top of Fork	Std 2 Stg Limited I		in. (mm)	5 (140)				
			-	Lift Mast with/without LBR	in. (mm)	37/64 (962/1628)				
	14	Lift Height - Top of Fork	-				133 (3392)			
	15	Mast - Extended Height	Std Mast with/with		in. (mm)		4622/3956)			
	16	Overhead Guard Height	Without/With Batte		in. (mm)		(2193/2297)			
	17	SIP to Bottom of OHG	Seat Depressed	Std/Susp/Swivel	in. (mm)		(986/1001/989)			
	18	Tow Pin Height	Vertical Center of I		in. (mm)		(262)			
<u>v</u>	19	Overall Width	Pneumatic Tires	Std/Wide Tread	in. (mm)		(1192/1308)			
흜			PSS Tires	Std/Wide Tread	in. (mm)		(1173/1289)			
DIMENSIONS	20	Forks	Thickness x Width	x Length	in. (mm)		40 x 100 x 1067)			
盲	21	Standard Carriage Width			in. (mm)		1067)			
	22	Floor to Bottom of Battery (Vertical / Rol	1		in. (mm)		(259) / 9.9 (252)			
	23	Ground Clearance	Lowest Point (NL/I		in. (mm)	3.9/3.3 (98/83)				
	24	Ground Clearance	Center of Truck (N		in. (mm)	5.4/5.3 (137/135)				
	25	Load Distance Center of Wheel to Face of Forks			in. (mm)	16.5 (419)				
		Nominal		Nominal	SIZE	28* 92.0 (2336)				
	27	Length to Face of Forks	Chassis Length		in. (mm)	92.0 (2336) 63.2 (1606)				
	28	Wheelbase			in. (mm)					
	29	Right Angle Stack			in. (mm)	141.8 (3602) 78.2 (1986)				
	30	Equal Aisle	90° Intersecting Ai	sle	in. (mm)	76.2 (1986) 76 (1931)				
	31	Outside Turning Radius			in. (mm)					
¥	32	Truck Weight	Without Battery (N Static with Max. W		lb. (kg)		(2885)			
>	33	Axle Loading - Drive  Axle Loading - Steer	Static with Max. W	***	lb. (kg)	5266/12649 (2389/5737) 5236/2352 (2375/1067)				
	34	Axte Loading - Steel	Static With Max. W	t. Dattery (NE/ NE)	tb. (kg)					
	35	Travel Speed	(NL/RL)		mph (km/h)	Standard Performance	Premium Performance Package			
				+ (NIL /DL.)		11.2/11.2 (18/18)	13/13 (21/21)			
	36	Lift Speed	Std 2 Stg LFL Mas		ft/min (m/sec)	124/79 (0.63/0.40)	142/102 (0.72/0.52)			
			Opt 2 Stg FFL Mas Opt 3 Stg FFL Mas		ft/min (m/sec) ft/min (m/sec)	124/81 (0.63/0.41) 124/79 (0.63/0.40)	130/98 (0.66/0.50) 134/100 (0.68/0.51)			
щ	37	Lower Speed								
PERFORMANCE	3/	Lower Speed	Std 2 Stg LFL Mast (NL/RL)		ft/min (m/sec) ft/min (m/sec)	100/112 (0.51/0.57)				
S. O.			Opt 2 Stg FFL Mast (NL/RL) Opt 3 Stg FFL Mast (NL/RL)		ft/min (m/sec)	91/102 (0.46/0.52) 93/106 (0.47/0.54)				
E E	38	Gradability	5 Minute Rating (N		%	39/26	42/28			
Δ.	30	Gradability	60 Minute Rating (N		%	13/9	14/10			
	39	Drawbar Pull	5 Minute Rating (N		lbf	4283/4057	4626/4462			
	37	Diawbai Futt	60 Minute Rating (N		lbf	1298/1229	1402/1357			
	40	Brake	Method of Control		toi		/Mechanical			
	40	biake		on (Service/Parking)			utomatic			
	41	Battery	Туре	on (Service/Farking)			r Lithium-lon			
	42	Traction Motors (Dual)	60 Minute Rating (	Each)	hp (kW)	13.4 (10)	13.4 (10)			
읉	43	Pump Motor	15 Minute Rating	Lucij	hp (kW)	21.5 (16)	32.2 (24)			
ELECTRIC	44	Traction Motors	Type/Control Meth	nd	11p (1511)		Transistor			
ᆸ	45	Pump Motor	Type/Control Meth				ansistor			
	46	Number of Speeds	Traction/Pump				e/Infinitely Variable			
$\vdash$	47	Step Height	77dCdoff/1 dfflp		in. (mm)		(475)			
	48	Step Height Floor Height	Without/With Batte	ery Rollers	in. (mm)		(4/5)			
OTHER	49	Attachment Relief Pressure	Without/With Batte	ory notices	psi (bar)		) (155)			
탕	50	Auxiliary Oil Flow	3rd and 4th Functi	on	gal/min (l/min)		(40)			
					dB (A)					
$\bigcup$	51 Sound Level Measured per ANSI B56.11.5			ub (A)	63	65				

GI	FNF	ERAL SPECIFICATIONS	FRP050VI					
							-1-*	
	1	Manufacturer					ale <sup>®</sup>	
ᇦ	2	Model Designation					050VL	
GENERAL	3	Power/Voltage					c/80 Volts	
Ü	4	Operation					Sit	
	5	Rated Capacity			lb. (kg)	5000	(2268)	
	6	Load Center		,	in. (mm)	24	(610)	
	7	Tire Type (Std/Opt)				Pneumatic/Pneu	matic Shaped Solid	
TIRES	8	Tire Size (Drive/Steer)				23 x 10 - 1	2/18 x 7 - 8	
Ĕ	9	Wheels – Number X=Driven (Drive/Steer	)		front/rear	2X/2		
	10	Tread	Ctr. of Tires	Std Dr/Wide Dr/Steer	in. (mm)	36.9/41.5/39.1	(938/1054/992)	
	11	Mast Tilt	Std Opt Opt		degrees	5F/5B 10	F/5B 5F/6B	
	12	Mast - Lowered Height	Std Mast		in. (mm)	87 (	2192)	
	13	Free Lift - Top of Fork	Std 2 Stg Limited	Free Lift Mast	in. (mm)	5 (	140)	
			Opt 2 Stg Full Free	Lift Mast with/without LBR	in. (mm)	37/64 (9	962/1628)	
	14	Lift Height - Top of Fork	Std 2 Stg Limited	Free Lift Mast	in. (mm)	133	(3392)	
	15	Mast - Extended Height	Std Mast with/with	nout LBR	in. (mm)	182/156 (	(4622/3956)	
	16	Overhead Guard Height	Without/With Batte	ery Rollers	in. (mm)	86.3/90.4	(2193/2297)	
	17	SIP to Bottom of OHG	Seat Depressed	Std/Susp/Swivel	in. (mm)	38.8/39.4/38.9	(986/1001/989)	
	18	Tow Pin Height	Vertical Center of		in. (mm)		3 (262)	
	19	_	Pneumatic Tires	Std/Wide Tread	in. (mm)		(1192/1308)	
S		Overall Width	PSS Tires	Std/Wide Tread	in. (mm)		(1173/1289)	
S	20	Forks	Thickness x Width	x I ength	in. (mm)		40 x 100 x 1067)	
DIMENSIONS	21	Standard Carriage Width		=g	in. (mm)		1067)	
_	22	Floor to Bottom of Battery (Vertical / Rol	l ler / Forks)		in. (mm)		? (259) / 9.9 (252)	
	23	Ground Clearance	Lowest Point (NL/	RI )	in. (mm)			
	24	Ground Clearance	Center of Truck (N		in. (mm)	3.9/3.3 (98/83) 5.4/5.3 (137/134)		
	25	Load Distance	Center of Wheel to Face of Forks		in. (mm)		5 (419)	
	2.0	Edda Bistarice	Center of Wheet to	Nominal	SIZE	28"	34"	
	27	Length to Face of Forks	Chassis Length	Nonlinat	in. (mm)	92.0 (2336)	97.6 (2480)	
	28	Wheelbase	Cliassis Leligili		in. (mm)	63.2 (1606)	68.9 (1750)	
	29				in. (mm)			
	30	Right Angle Stack  Equal Aisle	90° Intersecting A	iala	in. (mm)	141.8 (3602) 78.2 (1986)	147.3 (3742) 80.7 (2049)	
	31	Outside Turning Radius	70 litter secting A	isie	in. (mm)	76.2 (1786)	81.6 (2073)	
		-	Mish and Datham (A)		lb. (kg)			
Ř.	32	Truck Weight	Without Battery (N			6360 (2885)	6560 (2976)	
3	33	Axle Loading - Drive  Axle Loading - Steer	Static with Max. W Static with Max. W		lb. (kg)	5266/13470 (2389/6110) 5236/2032 (2375/922)	5718/13659 (2594/6196) 5762/2821 (2614/1280)	
	34	Axie Loading - Steel	Static With Max. W	t. Dattery (NE/ NE)	tb. (kg)	Standard Performance		
	35	Travel Coord	(NL/RL)		mph (km/h)	11.2/11.2 (18/18)	Premium Performance Package 13/13 (21/21)	
		Travel Speed		+ (NIL /DL )				
	36	Lift Speed	Std 2 Stg LFL Mast (NL/RL)  Opt 2 Stg FFL Mast (NL/RL)		ft/min (m/sec)	124/75 (0.63/0.38)	142/96 (0.72/0.49)	
					ft/min (m/sec)	124/77 (0.63/0.39)	130/93 (0.66/0.47)	
щ	27	Lawren Canad	Opt 3 Stg FFL Mast (NL/RL) Std 2 Stg LFL Mast (NL/RL) Opt 2 Stg FFL Mast (NL/RL)			124/77 (0.63/0.39)	134/94 (0.68/0.48)	
PERFORMANCE	37	Lower Speed			ft/min (m/sec)		(0.51/0.57)	
₹					ft/min (m/sec)		(0.46/0.54)	
Ë.	20	0. 1177	Opt 3 Stg FFL Mas		ft/min (m/sec)		(0.47/0.55)	
☲	38	Gradability	5 Minute Rating (N		%	35/24	38/26	
			60 Minute Rating (		%	12/8	13/9	
	39	Drawbar Pull	5 Minute Rating (N		lbf	4248/4148	4588/4480	
			60 Minute Rating (		lbf	1287/1257	1390/1357	
	40	Brake	Method of Control	· <u> </u>		Hydraulic/Mechanic		
_		_		on (Service/Parking)			utomatic	
	41	Battery	Type	- · · ·			or Lithium-lon	
≌	42	Traction Motors (Dual)	60 Minute Rating (	Each)	hp (kW)	13.4 (10)	13.4 (10)	
ELECTRIC	43	Pump Motor	15 Minute Rating		hp (kW)	21.5 (16)	32.2 (24)	
끏	44	Traction Motors	Type/Control Meth				Transistor	
	45	Pump Motor	Type/Control Meth	000			ansistor 	
	46	Number of Speeds	Traction/Pump		1		e/Infinitely Variable	
	47	Step Height			in. (mm)		(475)	
쏦	48	Floor Height	Without/With Batte	ery Rollers	in. (mm)		7 (706/810)	
OTHER	49	Attachment Relief Pressure			psi (bar)		0 (155)	
	50	Auxiliary Oil Flow	3rd and 4th Functi		gal/min (l/min)		(40)	
(	51	Sound Level Measured per ANSI B56.11.5			dB (A)	63	65	

G	NE	RAL SPECIFICATIONS	ERP060VL						
	1	Manufacturer				V	ale <sup>®</sup>		
	2	Model Designation					060VL		
귛	3	-					/80 Volts		
GENERAL	4	Power/Voltage Operation					it		
뜅	5				lb. (kg)		(2722)		
	6	Rated Capacity  Load Center			in. (kg)		(610)		
	7	Tire Type (Std/Opt)			III. (IIIIII)				
ر س	8	Tire Size (Drive/Steer)			in.		matic Shaped Solid 2/18 x 7 - 8		
TIRES	9	Wheels - Number X=Driven (Drive/Steen	1		front/rear		X/2		
-	10	Tread	Ctr. of Tires	Std Dr/Wide Dr/Steer	in. (mm)		(938/1054/992)		
	11	Mast Tilt	Std Opt Opt	Sta Bir Wide Bir Steel	degrees		, ,		
	12	Mast - Lowered Height	Std Opt Opt		in. (mm)	5F/5B 10F/5B 5F/6B 87 (2192)			
	13 Free Lift - Top of Fork		Std 2 Stg Limited I	Free Lift Mast	in. (mm)		140)		
	10	Tree Ent. Top of Fork	-	Lift Mast with/without LBR	in. (mm)	37/60 (957/1540)			
	14	Lift Height - Top of Fork	Std 2 Stg Limited I		in. (mm)	126 (3209)			
	15	Mast - Extended Height	Std Mast with/with		in. (mm)		4444/3861)		
	16	Overhead Guard Height	Without/With Batte	ery Rollers	in. (mm)		(2193/2297)		
	17	SIP to Bottom of OHG	Seat Depressed	Std/Susp/Swivel	in. (mm)		(986/1001/989)		
	18	Tow Pin Height	Vertical Center of I	Pin	in. (mm)	10.3	(262)		
	19		Pneumatic Tires	Std/Wide Tread	in. (mm)	46.9/51.5	(1192/1308)		
SN		Overall Width	PSS Tires	Std/Wide Tread	in. (mm)	46.2/50.7	(1173/1289)		
SS	20	Forks	Thickness x Width	x Length	in. (mm)	2 x 4.9 x 42 (5	0 x 125 x 1067)		
DIMENSIONS	21	Standard Carriage Width			in. (mm)	42 (	1067)		
	22	Floor to Bottom of Battery (Vertical / Rol	ler / Forks)		in. (mm)	5.7 (145) / 10.2	(259) / 9.9 (252)		
	23	Ground Clearance	Lowest Point (NL/I	RL)	in. (mm)	3.9/3.3 (98/83)			
	24	Ground Clearance	Center of Truck (N	L/RL)	in. (mm)	5.4/5.3	(137/134)		
	25	Load Distance Center of Wheel to Face of Forks		Face of Forks	in. (mm)	17.0 (431)			
		Nominal		Nominal	SIZE	34"			
	27	Length to Face of Forks	Chassis Length		in. (mm)	98.1 (2492)			
	28	Wheelbase			in. (mm)	68.9	(1750)		
	29	Right Angle Stack			in. (mm)	147.3	(3742)		
	30	Equal Aisle	90° Intersecting Ai	secting Aisle in. (mm)		80.7 (2049)			
	31	Outside Turning Radius			in. (mm)	81.6	(2073)		
	32	Truck Weight	Without Battery (N		lb. (kg)		(3053)		
ξ	33	Axle Loading - Drive	Static with Max. W	•	lb. (kg)	5930/15499 (2690/7030)			
	34	Axle Loading - Steer	Static with Max. W	t. Battery (NL/RL)	lb. (kg)	5714/2145 (2592/973)			
	0.5				. (, ()	Standard Performance	Premium Performance Package		
	35	Travel Speed	(NL/RL)	(All (DL)	mph (km/h)	11.2/10.6 (18/17)	13/12.1 (21/19.5)		
	36	Lift Speed	Std 2 Stg LFL Mas		ft/min (m/sec)	116/65 (0.59/0.33)	124/83 (0.63/0.42)		
			Opt 2 Stg FFL Mas Opt 3 Stg FFL Mas		ft/min (m/sec) ft/min (m/sec)	108/65 (0.55/0.33) 112/65 (0.57/0.33)	116/81 (0.59/0.41) 118/81 (0.60/0.41)		
щ	37	Lower Speed	Std 2 Stg LFL Mas		ft/min (m/sec)		0.46/0.56)		
PERFORMANCE	37	Lower Speed			ft/min (m/sec)		0.37/0.52)		
S Š			Opt 2 Stg FFL Mast (NL/RL) Opt 3 Stg FFL Mast (NL/RL)		ft/min (m/sec)		(0.4/0.53)		
监	38	Gradability	5 Minute Rating (N		%	34/22	37/24		
Δ.	50	ordationity	60 Minute Rating (		%	11/7	12/8		
	39	Drawbar Pull	5 Minute Rating (N		lbf	4146/4037	4477/4360		
	-		60 Minute Rating (		lbf	1256/1223	1357/1321		
	40	Brake	Method of Control						
				on (Service/Parking)		Hydraulic/Mechanical Foot/Automatic			
	41	Battery	Type			Lead Acid o	r Lithium-lon		
	42	Traction Motors (Dual)	60 Minute Rating (	Each)	hp (kW)	13.4 (10)	13.4 (10)		
ELECTRIC	43	Pump Motor	15 Minute Rating		hp (kW)	21.5 (16)	32.2 (24)		
띨	44	Traction Motors	Type/Control Meth	od		Dual AC/	Transistor		
ш	45	Pump Motor	Type/Control Meth	od		AC/Tra	ansistor		
	46	Number of Speeds	Traction/Pump			Infinitely Variable	/Infinitely Variable		
	47	Step Height			in. (mm)	18.7	(475)		
~	48	Floor Height	Without/With Batte	ery Rollers	in. (mm)	27.8/31.9	(706/810)		
OTHER	49	Attachment Relief Pressure			psi (bar)	2250	(155)		
	50	Auxiliary Oil Flow	3rd and 4th Functi	on	gal/min (l/min)	11	(40)		
$\bigcup$	51 Sound Level Measured per ANSI B56.11.5			I B56.11.5	dB (A)	63	65		

GI	ENE	ERAL SPECIFICATIONS	ERP070VL							
	1	Manufacturer				Y	ale <sup>®</sup>			
	2	Model Designation					070VL			
됳	3	Power/Voltage					/80 Volts			
GENERAL	4	Operation					Sit			
5	5	Rated Capacity			lb. (kg)		(3175)			
	6	Load Center			in. (mm)	24	(610)			
	7	Tire Type (Std/Opt)				Pneumatic/Pneur	matic Shaped Solid			
S	8	Tire Size (Drive/Steer)			in.	23 x 10 - 1	2/18 x 7 - 8			
TIRES	9	Wheels – Number X=Driven (Drive/Steer	·)		front/rear	27	X/2			
	10	Tread	Ctr. of Tires	Std Dr/Wide Dr/Steer	in. (mm)	36.9/41.5/39.1	(938/1054/992)			
	11	Mast Tilt	Std Opt Opt		degrees	5F/5B 10F/5B 5F/6B				
	12	Mast - Lowered Height	Std Mast		in. (mm)	87 (	2192)			
	13	Free Lift - Top of Fork	Std 2 Stg Limited F	ree Lift Mast	in. (mm)	5 (	140)			
			Opt 2 Stg Full Free	Lift Mast with/without LBR	in. (mm)	37/60 (9	257/1540)			
	14	Lift Height - Top of Fork	Std 2 Stg Limited F	ree Lift Mast	in. (mm)	126 (3209)				
	15	Mast - Extended Height	Std Mast with/with	out LBR	in. (mm)	175/153 (	4444/3861)			
	16	Overhead Guard Height	Without/With Batte	ry Rollers	in. (mm)	86.3/90.4	(2193/2297)			
	17	SIP to Bottom of OHG	Seat Depressed	Std/Susp/Swivel	in. (mm)	38.8/39.4/38.9	(986/1001/989)			
	18	Tow Pin Height	Vertical Center of F	Pin	in. (mm)	10.3	(262)			
S	19	Overall Width	Pneumatic Tires	Std/Wide Tread	in. (mm)		(1192/1308)			
DIMENSIONS			PSS Tires	Std/Wide Tread	in. (mm)		(1173/1289)			
EN S	20	Forks	Thickness x Width	x Length	in. (mm)	,.	0 x 125 x 1067)			
출	21	Standard Carriage Width			in. (mm)		1067)			
	22	Floor to Bottom of Battery (Vertical / Rol	1		in. (mm)		(250)			
	23	Ground Clearance	Lowest Point (NL/F		in. (mm)		(198/83)			
	24	Ground Clearance	Center of Truck (NI		in. (mm)		(137/132)			
	25	Load Distance	Center of Wheel to		in. (mm)		(431)			
	0.77		Nominal		SIZE	34"				
	27	Length to Face of Forks Wheelbase	Chassis Length		in. (mm)	101.2 (2570) 68.9 (1750)				
	29	Right Angle Stack			in. (mm)	149.9 (3808)				
	30	Equal Aisle	90° Intersecting Ai	sle.	in. (mm)		81.8 (2078)			
	31	Outside Turning Radius	70 merseemig Ar	Sic	in. (mm)		(2139)			
	32	Truck Weight	Without Battery (N	)	lb. (kg)		(3366)			
Ř.	33	Axle Loading - Drive	Static with Max. Wi		lb. (kg)	5814/16979 (2637/7702)				
-	34	Axle Loading - Steer	Static with Max. Wi		lb. (kg)	6525/2360 (2960/1070)				
						Standard Performance	Premium Performance Package			
	35	Travel Speed	(NL/RL)		mph (km/h)	11.2/9.9 (18/16)	13/11.2 (21/18)			
	36	Lift Speed	Std 2 Stg LFL Mast	(NL/RL)	ft/min (m/sec)	116/61 (0.59/0.31)	124/73 (0.63/0.37)			
			Opt 2 Stg FFL Mast	: (NL/RL)	ft/min (m/sec)	108/61 (0.55/0.31)	116/73 (0.59/0.37)			
			Opt 3 Stg FFL Mast	(NL/RL)	ft/min (m/sec)	112/61 (0.57/0.31)	118/73 (0.60/0.37)			
NCE	37	Lower Speed	Std 2 Stg LFL Mast (NL/RL) Opt 2 Stg FFL Mast (NL/RL)		ft/min (m/sec)	91/114 (	0.46/0.58)			
PERFORMANCE					ft/min (m/sec)	73/106 (0.37/0.54)				
윤			Opt 3 Stg FFL Mast		ft/min (m/sec)	79/110 (	0.40/0.56)			
퓝	38	Gradability	5 Minute Rating (N		%	32/20	35/22			
			60 Minute Rating (I		%	10/6	11/7			
	39	Drawbar Pull	5 Minute Rating (N		lbf	4243/4064	4583/4389			
		B .	60 Minute Rating (I		lbf	1286/1232	1389/1330			
	40	вгаке	Brake Method of Control (Service/P			Hydraulic/Mechan Foot/Automatic				
	41	Battery	Туре	n (Service/Parking)			r Lithium-lon			
	42			Each)	hp (kW)	13.4 (10)	13.4 (10)			
<u>ي</u>	43			hp (kW)	21.5 (16)	32.2 (24)				
ELECTRIC	44	Traction Motors	Type/Control Meth	od	p. (1117)		Transistor			
ᇤ	45	Pump Motor	Type/Control Meth				ansistor			
	46	Number of Speeds	Traction/Pump				:/Infinitely Variable			
	47	Step Height			in. (mm)		(475)			
ا ہے ا	48	Floor Height	Without/With Batte	ry Rollers	in. (mm)		(706/810)			
OTHER	49	Attachment Relief Pressure			psi (bar)	2250	) (155)			
Ö	50	Auxiliary Oil Flow	3rd and 4th Function	on	gal/min (l/min)	11	(40)			
	51	Sound Level	Measured per ANS	I B56.11.5	dB (A)	63	65			

### **FEATURES LIST**

FEATURES LIST		
PERFORMANCE	STD	OPT
80 Volt electrical system	•	
Standard performance	•	
AC traction and pump motors (completely brushless)	•	
Transistor drive and pump control	•	
Advanced vsm (vehicle system manager)	•	
Dual drive motors	•	
Progressive thermal management system	•	
Powerplus performance		•
Lead Acid	•	
Lithium-ion		•
DRIVE	STD	OPT
Pneumatic drive tire and steer tire	•	
Solid pneumatic tires		•
Wide tread tires		•
LIFT	STD	OPT
2-Stage limited free lift (lfl) Hi-Vis™ mast with maximum fork height of 133" (3392mm) (ERP045-50VL) or 126" (3209mm) (ERP060-70VL)		
5° Forward and 5° back mast tilt	•	
Available with 2-stage limited free lift (IfI) and 2- or 3-stage full free lift (ffI) Hi-Vis™ masts		
Mast tilt option – 10° forward / 5° back		•
Mast tilt option – 5° forward / 6° back		
Return to set tilt		•
Accumulator		
Load weight indicator		
Tilt cylinder boots		
HANDLING	STD	OPT
42" (1067mm) wide class ii (ERP045-50VL) or class iii (ERP060-70VL)		
hook-type carriage with 48" (1219mm) high load backrest extension		
27		
42" (1067mm) long forks	•	
	•	
42" (1067mm) long forks Carriage with integral sideshift Carriage with integral sideshifting fork positioner	•	٠
42" (1067mm) long forks Carriage with integral sideshift Carriage with integral sideshifting fork positioner ERGONOMICS	STD	• • •
42" (1067mm) long forks Carriage with integral sideshift Carriage with integral sideshifting fork positioner  ERGONOMICS  12" Steering wheel with integral spinner knob	•	٠
42" (1067mm) long forks Carriage with integral sideshift Carriage with integral sideshifting fork positioner  ERGONOMICS  12" Steering wheel with integral spinner knob Non-suspension vinyl seat		٠
42" (1067mm) long forks Carriage with integral sideshift Carriage with integral sideshifting fork positioner  ERGONOMICS  12" Steering wheel with integral spinner knob Non-suspension vinyl seat Black, non-cinch seat belt with Emergency Locking Retractor	•	٠
42" (1067mm) long forks Carriage with integral sideshift Carriage with integral sideshifting fork positioner  ERGONOMICS  12" Steering wheel with integral spinner knob Non-suspension vinyl seat Black, non-cinch seat belt with Emergency Locking Retractor Foot Directional Control Pedal	•	٠
42" (1067mm) long forks Carriage with integral sideshift Carriage with integral sideshifting fork positioner  ERGONOMICS  12" Steering wheel with integral spinner knob Non-suspension vinyl seat Black, non-cinch seat belt with Emergency Locking Retractor	•	٠
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42" (1067mm) long forks Carriage with integral sideshift Carriage with integral sideshifting fork positioner  ERGONOMICS  12" Steering wheel with integral spinner knob Non-suspension vinyl seat Black, non-cinch seat belt with Emergency Locking Retractor Foot Directional Control Pedal Power assist braking  Multifunction display  Battery state of charge with low battery lift interrupt Hour meter	•	٠
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42" (1067mm) long forks Carriage with integral sideshift Carriage with integral sideshifting fork positioner  ERGONOMICS  12" Steering wheel with integral spinner knob Non-suspension vinyl seat Black, non-cinch seat belt with Emergency Locking Retractor Foot Directional Control Pedal Power assist braking  Multifunction display  Battery state of charge with low battery lift interrupt Hour meter Performance mode indicator Fault indicator (audible & visible)	•	٠
42" (1067mm) long forks Carriage with integral sideshift Carriage with integral sideshifting fork positioner  ERGONOMICS  12" Steering wheel with integral spinner knob Non-suspension vinyl seat Black, non-cinch seat belt with Emergency Locking Retractor Foot Directional Control Pedal Power assist braking  Multifunction display  Battery state of charge with low battery lift interrupt Hour meter Performance mode indicator Fault indicator (audible & visible)  4 Operator selectable, programmable performance modes"	•	٠
42" (1067mm) long forks Carriage with integral sideshift Carriage with integral sideshifting fork positioner  ERGONOMICS  12" Steering wheel with integral spinner knob Non-suspension vinyl seat Black, non-cinch seat belt with Emergency Locking Retractor Foot Directional Control Pedal Power assist braking  Multifunction display  Battery state of charge with low battery lift interrupt Hour meter Performance mode indicator Fault indicator (audible & visible) 4 Operator selectable, programmable performance modes"  Easy ingress / egress with low step height and contoured handhold	•	٠
42" (1067mm) long forks Carriage with integral sideshift Carriage with integral sideshifting fork positioner  ERGONOMICS  12" Steering wheel with integral spinner knob Non-suspension vinyl seat Black, non-cinch seat belt with Emergency Locking Retractor Foot Directional Control Pedal Power assist braking  Multifunction display  Battery state of charge with low battery lift interrupt Hour meter Performance mode indicator Fault indicator (audible & visible)  4 Operator selectable, programmable performance modes"  Easy ingress / egress with low step height and contoured handhold Operator convenience station - storage areas, beverage & clipboard holders  Adjustable tilt steering column with low	•	٠
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42" (1067mm) long forks Carriage with integral sideshift Carriage with integral sideshifting fork positioner  ERGONOMICS  12" Steering wheel with integral spinner knob Non-suspension vinyl seat Black, non-cinch seat belt with Emergency Locking Retractor Foot Directional Control Pedal Power assist braking Multifunction display  Battery state of charge with low battery lift interrupt Hour meter Performance mode indicator Fault indicator (audible & visible) 4 Operator selectable, programmable performance modes"  Easy ingress / egress with low step height and contoured handhold Operator convenience station - storage areas, beverage & clipboard holders  Adjustable tilt steering column with low profile cowl for excellent visibility Cushioned floormat	•	٠
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42" (1067mm) long forks Carriage with integral sideshift Carriage with integral sideshifting fork positioner  ERGONOMICS  12" Steering wheel with integral spinner knob Non-suspension vinyl seat Black, non-cinch seat belt with Emergency Locking Retractor Foot Directional Control Pedal Power assist braking Multifunction display — Battery state of charge with low battery lift interrupt — Hour meter — Performance mode indicator — Fault indicator (audible & visible) — 4 Operator selectable, programmable performance modes"  Easy ingress / egress with low step height and contoured handhold Operator convenience station - storage areas, beverage & clipboard holders Adjustable tilt steering column with low profile cowl for excellent visibility Cushioned floormat Seatside power disconnect button Accutouch hydraulic mini-levers with fully adjustable armrest	•	OPT
42" (1067mm) long forks Carriage with integral sideshift Carriage with integral sideshifting fork positioner  ERGONOMICS  12" Steering wheel with integral spinner knob Non-suspension vinyl seat Black, non-cinch seat belt with Emergency Locking Retractor Foot Directional Control Pedal Power assist braking  Multifunction display  Battery state of charge with low battery lift interrupt Hour meter Performance mode indicator Fault indicator (audible & visible) 4 Operator selectable, programmable performance modes"  Easy ingress / egress with low step height and contoured handhold Operator convenience station - storage areas, beverage & clipboard holders Adjustable tilt steering column with low profile cowl for excellent visibility Cushioned floormat Seatside power disconnect button Accutouch hydraulic mini-levers with fully adjustable armrest Non-suspension seat (cloth)	•	OPT
42" (1067mm) long forks Carriage with integral sideshift Carriage with integral sideshifting fork positioner  ERGONOMICS  12" Steering wheel with integral spinner knob Non-suspension vinyl seat Black, non-cinch seat belt with Emergency Locking Retractor Foot Directional Control Pedal Power assist braking  Multifunction display  Battery state of charge with low battery lift interrupt Hour meter Performance mode indicator Fault indicator (audible & visible) 4 Operator selectable, programmable performance modes"  Easy ingress / egress with low step height and contoured handhold Operator convenience station - storage areas, beverage & clipboard holders Adjustable tilt steering column with low profile cowl for excellent visibility  Cushioned floormat Seatside power disconnect button Accutouch hydraulic mini-levers with fully adjustable armrest Non-suspension seat (cloth)  Full suspension seat (vinyl or cloth)	•	OPT
42" (1067mm) long forks Carriage with integral sideshift Carriage with integral sideshifting fork positioner  ERGONOMICS  12" Steering wheel with integral spinner knob Non-suspension vinyl seat Black, non-cinch seat belt with Emergency Locking Retractor Foot Directional Control Pedal Power assist braking  Multifunction display  Battery state of charge with low battery lift interrupt Hour meter Performance mode indicator Fault indicator (audible & visible)  4 Operator selectable, programmable performance modes"  Easy ingress / egress with low step height and contoured handhold Operator convenience station - storage areas, beverage & clipboard holders  Adjustable tilt steering column with low profile cowl for excellent visibility  Cushioned floormat  Seatside power disconnect button  Accutouch hydraulic mini-levers with fully adjustable armrest Non-suspension seat (cloth)  Full suspension seat (vinyl or cloth)  Swivel seat, full suspension (vinyl or cloth)	•	OPT
42" (1067mm) long forks Carriage with integral sideshift Carriage with integral sideshifting fork positioner  ERGONOMICS  12" Steering wheel with integral spinner knob Non-suspension vinyl seat Black, non-cinch seat belt with Emergency Locking Retractor Foot Directional Control Pedal Power assist braking  Multifunction display  Battery state of charge with low battery lift interrupt Hour meter Performance mode indicator Fault indicator (audible & visible) 4 Operator selectable, programmable performance modes"  Easy ingress / egress with low step height and contoured handhold Operator convenience station - storage areas, beverage & clipboard holders  Adjustable tilt steering column with low profile cowl for excellent visibility  Cushioned floormat Seatside power disconnect button Accutouch hydraulic mini-levers with fully adjustable armrest Non-suspension seat (cloth)  Full suspension seat (vinyl or cloth) Swivel seat, full suspension (vinyl or cloth) Seat side directional control	•	OPT
42" (1067mm) long forks Carriage with integral sideshift Carriage with integral sideshifting fork positioner  ERGONOMICS  12" Steering wheel with integral spinner knob Non-suspension vinyl seat Black, non-cinch seat belt with Emergency Locking Retractor Foot Directional Control Pedal Power assist braking Multifunction display  Battery state of charge with low battery lift interrupt Hour meter Performance mode indicator Fault indicator (audible & visible) 4 Operator selectable, programmable performance modes" Easy ingress / egress with low step height and contoured handhold Operator convenience station - storage areas, beverage & clipboard holders Adjustable tilt steering column with low profile cowl for excellent visibility Cushioned floormat Seatside power disconnect button Accutouch hydraulic mini-levers with fully adjustable armrest Non-suspension seat (cloth) Full suspension seat (vinyl or cloth) Swivel seat, full suspension (vinyl or cloth) Seat side directional control Telescopic steering column with tilt memory	•	OPT
42" (1067mm) long forks Carriage with integral sideshift Carriage with integral sideshifting fork positioner  ERGONOMICS  12" Steering wheel with integral spinner knob Non-suspension vinyl seat Black, non-cinch seat belt with Emergency Locking Retractor Foot Directional Control Pedal Power assist braking Multifunction display Battery state of charge with low battery lift interrupt Hour meter Performance mode indicator Fault indicator (audible & visible) 4 Operator selectable, programmable performance modes"  Easy ingress / egress with low step height and contoured handhold Operator convenience station - storage areas, beverage & clipboard holders Adjustable tilt steering column with low profile cowl for excellent visibility  Cushioned floormat Seatside power disconnect button Accutouch hydraulic mini-levers with fully adjustable armrest Non-suspension seat (cloth) Full suspension seat (vinyl or cloth) Swivel seat, full suspension (vinyl or cloth) Seat side directional control Telescopic steering column with tilt memory Rear drive handle with integrated horn button	•	OPT
42" (1067mm) long forks Carriage with integral sideshift Carriage with integral sideshifting fork positioner  ERGONOMICS  12" Steering wheel with integral spinner knob Non-suspension vinyl seat Black, non-cinch seat belt with Emergency Locking Retractor Foot Directional Control Pedal Power assist braking Multifunction display Battery state of charge with low battery lift interrupt Hour meter Performance mode indicator Fault indicator (audible & visible) 4 Operator selectable, programmable performance modes"  Easy ingress / egress with low step height and contoured handhold Operator convenience station - storage areas, beverage & clipboard holders Adjustable tilt steering column with low profile cowl for excellent visibility Cushioned floormat Seatside power disconnect button Accutouch hydraulic mini-levers with fully adjustable armrest Non-suspension seat (cloth) Full suspension seat (vinyl or cloth) Swivel seat, full suspension (vinyl or cloth) Swivel seat, full suspension (vinyl or cloth) Seat side directional control Telescopic steering column with tilt memory Rear drive handle with integrated horn button Mirrors – rear view or panoramic	•	OPT

ERGONOMICS continued		
Black ELR (Emergency Locking Retractor) non-cinch		
seat belt with start interlock		•
Low mount display		•
Oil-cooled wet disc brakes	•	
Automatic park brake	•	
ADS (Auto Deceleration System) with regenerative braking	•	
Anti cinch operator restraint system	•	
Operator presence system (ops)	•	
Full steel cab: includes front panel with wiper / washer, rear panel with wiper/ washer, steel doors, top panel with headliner and dome light		•
Front and top cab panels: includes front panel with wiper / washer and top panel		•
Battery side covers	•	
OPERATION	STD	OPT
Battery compartment size: 28" (ERP45-50VL); 34" (ERP60-70VL)	•	
IP54 sealed drive axle/motors with belly pan and side shields		•
Lift out battery extraction	•	
Standard construction	•	
Ul classification type "E"	•	
Key switch start	•	
86.3" Grid style overhead guard	•	
Fully integrated canbus communication	•	
On-demand power steering	•	
Static strap	•	
Tow pin	•	
Side extraction battery removal with rollers		•
Rapid / fast charge		•
Ul classification type "EE"		•
Continuous Stability System (CSS™)	•	
3 Function hydraulic control valve with seat side mechanical levers	•	
On-board software -Program, test & diagnose -Password protected	•	
"Zero turn" steer axle	•	
34" Battery compartment for the ERP050VL		
4 Function hydraulic control valve		
Keyless start (with auxiliary key switch)		
LED and halogen work light packages		
LED dome / reading light		
LED brake / tail / back-up light packages		
Audible reverse activated alarm		
Visible amber strobe light - continuous		
activated, overhead guard mounted		•
Impact monitor		•
Operator password		•
Operator daily checklist		•
System monitor – hydraulic low fluid level indicator and hydraulic filter service indicator		•
Hydraulic attachment extension tubes with or without quick disconnect fittings		•
Fire extinguisher – 2.5 Lb. Dry chemical		•
Integrated rapid charge		•
Front mud guards		•
Electronic horn with integral relay (long life / no adjustments)	•	
Outdoor protection / wash-down package		•
Yale Reliant™		•
SUPPLEMENTAL	STD	ОРТ
36 Month / 6,000 hour powertrain warranty	•	
12 Month / 2,000 hour full truck warranty	•	
Operating manual	•	

# About Yale®



Yale Materials Handling Corporation is one of the oldest manufacturers of lift trucks in the world. We've been in the business of lifting since 1875 and we apply that experience to help customers solve materials handling challenges. Our full line of lift trucks range in capacity from 2,000 to 36,000 pounds and are powered by internal combustion engines or electric options. Yale also offers robotic solutions, telemetry, fleet management, parts, financing and training. From traditional lift truck equipment to emerging technologies, our goal, every day, is to work with our nationwide dealer network to continually improve and provide the solutions you need, when and how you need them.

#### MATERIALS HANDLING FOR:



3PL



Auto Parts Distribution



Beverage



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Food Distribution



Food Processing



Furniture & Furnishings



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### Yale Materials Handling Corporation

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Trucks may be shown with optional equipment. 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.