

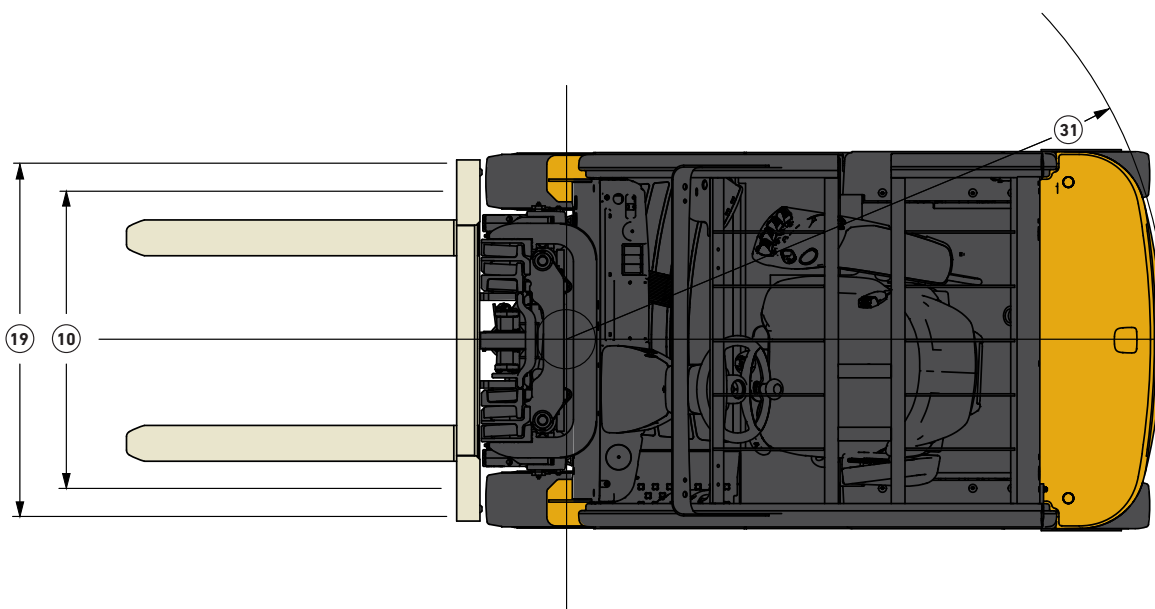
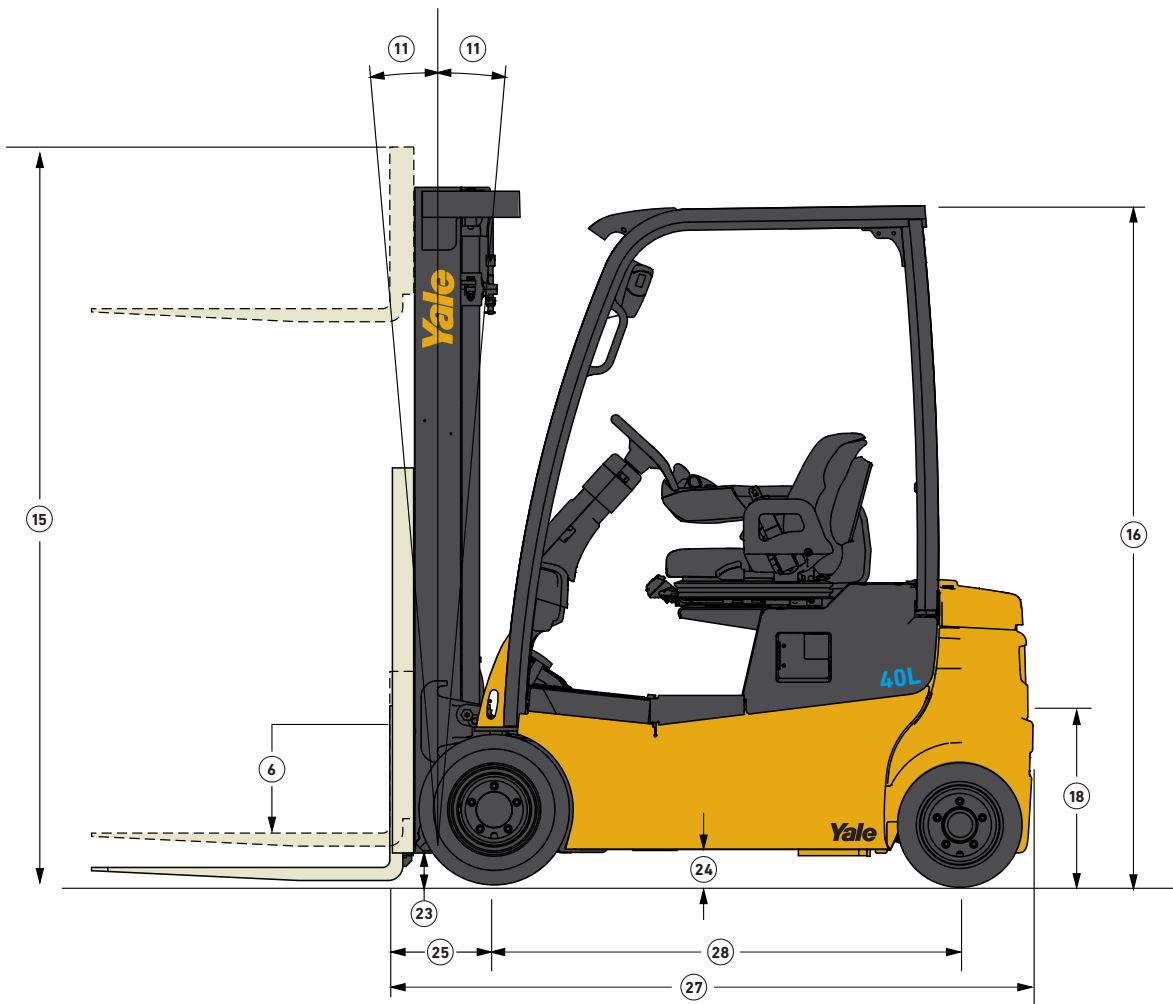


ERP 040VFL

SPEC SHEET

Pneumatic tire integrated
lithium-ion counterbalanced forklift

4,000 lbs.



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

GENERAL SPECIFICATIONS - ERP040VFL

GENERAL	1	Manufacturer			Yale	
	2	Model designation			ERP040VFL	
	3	Power			Electric	
	4	Operation			Sit	
	5	Rated capacity		lb. (kg)	4000 (1814)	
	6	Load center		in. (mm)	24 (610)	
TIRES	7	Tire type	Drive/steer	Pneumatic shaped solid / pneumatic shaped solid		
	8	Tire size	Drive/steer	in.	200/50-10 / 140/55-9	
	9	Wheels - number	X= Driven	Drive/steer	2x / 2	
	10	Tread	Center of tires	Drive/steer	in. (mm)	35.7 / 35.4 (908 / 898)
DIMENSIONS	11	Mast tilt	Std opt opt	degrees	5F/5B 10F/5B 5F/4B	
	12	Mast - lowered height	Std mast	in. (mm)	78 (1980)	
	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)	29 / 55 (750 / 1405)	
	14	Lift height - top of fork	St 2-stg limited free lift mast	in. (mm)	119 (3032)	
	15	Mast - extended height	Std mast with/without LBR	in. (mm)	168 / 142 (4262 / 3606)	
	16	Overhead guard height	Std/flat plate/drive in rack	in. (mm)	81.5 / 77.9 / 81.5 (2070 / 1979 / 2070)	
	17	SIP to bottom std OHG	Nominal	Std/susp/swivel	in. (mm)	38.9 / 39.2 / 38.7 (989 / 997 / 985)
	18	Tow pin height	Vertical center of pin		in. (mm)	14.1 (360)
	19	Overall width			in. (mm)	43.9 (1116)
	20	Forks	Thickness x width x length		in. (mm)	1.6 x 3.9 x 42 (40 x 100 x 1067)
	21	Standard carriage width			in. (mm)	38.5 (977)
	22	Ground clearance	Lowest point	NL/RL	in. (mm)	2.8 / 2.8 (70 / 70)
			Center of truck	NL/RL	in. (mm)	3.7 / 3.5 (95 / 90)
	24	Load distance	Center of wheel to face of forks		in. (mm)	12.6 (321)
	25	Length to face of forks	Chassis Length		in. (mm)	77.8 (1975)
	26	Wheelbase			in. (mm)	56.3 (1431)
	27	Right angle stack			in. (mm)	129 (3278)
	28	Equal aisle	90 Intersecting aisle		in. (mm)	72.2 (1835)
29	Outside turning radius			in. (mm)	65.2 (1656)	
WT.	30	Truck weight			lb. (kg)	7550 (3435)
	31	Axle loading - drive	Static	NL/RL	lb. (kg)	3675 (1665) / 10375 (4705)
	32	Axle loading - steer	Static	NL/RL	lb. (kg)	3900 (1765) / 1200 (545)
PERFORMANCE	33	Travel speed	Extended shift OFF	NL/RL	mph (km/h)	9.8 / 9.8 (15.7 / 15.7)
			Extended shift ON	NL/RL	mph (km/h)	8.7 / 8.7 (14.0 / 14.0)
	34	Lift speed	Std 2-stg LFL mast	NL/RL	ft/min (m/sec)	134 / 83 (0.68 / 0.42)
			Opt 2-stg FFL mast	NL/RL	ft/min (m/sec)	120 / 81 (0.61 / 0.41)
			Opt 3 -stg FFL mast	NL/RL	ft/min (m/sec)	120 / 81 (0.61 / 0.41)
			Opt 4-stg FFL mast	NL/RL	ft/min (m/sec)	126 / 89 (0.64 / 0.45)
	35	Lower speed	Std 2-stg LFL mast	NL/RL	ft/min (m/sec)	93 / 100 (0.47 / 0.51)
			Opt 2-stg FFL mast	NL/RL	ft/min (m/sec)	77 / 93 (0.41 / 0.47)
			Opt 3-stg FFL mast	NL/RL	ft/min (m/sec)	81 / 93 (0.41 / 0.47)
			Opt 4-stg FFL mast	NL/RL	ft/min (m/sec)	94 / 98 (0.48 / 0.50)
	36	Gradability	5 Minutes rating	NL/RL	%	34.0 / 21.0
			60 Minutes rating	NL/RL	%	9.2 / 5.6
37	Drawbar pull	5 Minutes rating	NL/RL	lbf.	2480 / 2410 (11025 / 10715)	
		60 Minutes rating	NL/RL	lbf.	730 / 660 (3260 / 2950)	
38	Brake	Method of control	Service/parking		Hydraulic / mechanical	
		Method of operation	Service/Operation		Foot / automatic	
ELECTRICS	39	Battery	Type		Lithium ion	
	40	Dual voltage battery	Size	Discharge/charge	48V @ 420Ah / 96V @ 210Ah	
	41	Traction motors (dual)	60 Minute rating (each)		hp (kW)	6.7 (5.0)
	42	Pump motor	15 Minute rating		hp (kW)	16.1 (12.0)
	43	Traction motors	Type/control method			AC / transistor
	44	Pump motor	Type/control method			AC / transistor
45	Number of speeds	Traction/pump			Infinitely variable / infinitely variable	
OTHER	46	Step height		in. (mm)	19.1 (484)	
	47	Floor height	Lowest point	in. (mm)	21.9 (557)	
	48	Attachment relief pressure		psi (bar)	2611 / 2248 (180 / 155)	
	49	Auxiliary oil flow	3rd and 4th function	gal/min (l/min)	5.3 / 10.6 (20 / 40)	
	50	Sound level	Measured per ANSI B56.11.5		dB	69

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 - ERP040VFL

Maximum fork height (TOF) +	Overall lowered height	Overall extended height		Free-lift (TOF)	
		w/Load backrest	w/o Load backrest	w/Load backrest	w/o Load backrest
in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)
2-STAGE LIMITED FREE-LIFT (LFL) MAST					
119 (3032)	78 (1980)	168 (4262)	142 (3606)	5 (140)	5 (140)
127 (3232)	82 (2080)	176 (4462)	150 (3806)	5 (140)	5 (140)
2-STAGE FULL FREE-LIFT (FFL) MAST					
118 (3018)	78 (1980)	168 (4262)	143 (3613)	29 (750)	55 (1405)
126 (3218)	82 (2080)	176 (4462)	151 (3813)	33 (850)	59 (1505)
3-STAGE FULL FREE-LIFT (FFL) MAST					
175 (4450)	78 (1980)	224 (5025)	198 (5025)	29 (750)	55 (1405)
187 (4750)	82 (2080)	236 (5325)	210 (5325)	33 (850)	59 (1505)
192 (4900)	84 (2130)	238 (5375)	212 (5375)	35 (900)	61 (1555)
198 (5050)	88 (2230)	248 (5625)	222 (5625)	39 (1000)	65 (1655)
216 (5500)	94 (2380)	265 (6075)	240 (6075)	45 (1150)	71 (1805)
4-STAGE FULL FREE-LIFT (FFL) MAST					
241 (6121)	84 (2121)	291 (7380)	265 (6721)	34 (873)	59 (1511)
259 (6578)	90 (2273)	309 (7837)	283 (7179)	40 (1025)	65 (1663)

The below tables are a helpful guide to visualize the truck run time with different batteries in different applications. Charts are a guide only and not a replacement for a site survey and full power survey.

Heavy - high throughput, typically runs near full capacity, runs either attachments or has high lifts

Medium - high throughput, runs near capacity without attachments or high lifts

Light - lower throughput, runs less than rated capacity without attachments or high lifts

Run time is from 100% to Lift-Lock out.

Charge time is from Lift-Lock out to 100%.

BATTERY RUN TIME - ERP040VFL

		Battery size
		20.1 kWh
Application	Heavy	3h 45m
	Medium	5h 15m
	Light	7h 15m

BATTERY CHARGE TIME - ERP040VFL

		Battery size
		20.1 kWh
Charge size	30 kW	45m
	20 kW	1h 15m
	15 kW	1h 30m
	10 kW	2h 15m
	5 kW	4h 15m

FEATURES LIST - ERP040VFL

PERFORMANCE	STD	OPT
48-Volt electrical system	●	
Dual voltage lithium battery technology	●	
AC tractions and pump motors (completely brushless)	●	
Hydrostatic steer system	●	
Transistor drive and pump control	●	
Advanced VSM (Vehicle System Manager)	●	
Dual drive motors	●	
Wet disc brakes	●	
"Zero turn radius" turning	●	
Regenerative braking	●	
DRIVE	STD	OPT
Pneumatic-shaped solid drive tire and steer tire	●	
Rubber cushion smooth tread drive tire and steer tire		●
LIFT	STD	OPT
2-Stage limited free lift (LFL) mast with maximum fork height of 119"	●	
5 Forward / 5 back mast tilt	●	
2-Stage full free lift mast		●
3-Stage full free list mast		●
4-Stage full free lift mast		●
Mast tilt option - 10F / 5B		●
Mast tilt option - 5F / 4B		●
HANDLING	STD	OPT
38.5" Wide class II carriage with 48" high load backrest extension	●	
42" (1067mm) Long forks	●	
Carriage with integral sideshift		●
Carriage with integral sideshifting forkpositioner		●
Return to set tilt		●
Hydraulic attachment extension tubes with or without quick disconnect fittings		●
Load weight indicator		●
ERGONOMICS	STD	OPT
MONOTROL foot direction control	●	
TouchPoint hydraulic mini-levers	●	
12" Steering wheel with integral spinner knob and tilt column	●	
Vinyl non-suspension 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 (ADS)	●	
Multifunction display (and all its sub features)	●	
Easy ingress/egress with low step height and contoured handhold	●	
Operator convenience station	●	
Adjustable tilt steering column with low profile cowl	●	
Operator Presence System (OPS)	●	
Cushioned floormat	●	
Static strap	●	
Tow pin	●	

ERGONOMICS CONTINUED	STD	OPT
Battery side covers	●	
On-board software (Program, test & diagnose / password protected)	●	
Electronic horn with integral relay (long life / no adjustments)	●	
Non-suspension cloth seat		●
Full-suspension seat (vinyl or cloth)		●
Full-suspension swivel seat (vinyl or cloth)		●
Seatside directional control		●
Telescopic steering column with tilt memory		●
LED and halogen work light packages		●
LED dome / reading light		●
Rear dive handle with horn button		●
Mirrors - dual side view - LH & RH OHG side mounted		●
Mirror - single panoramic - OHG mounted		●
Low mount display		●
OPERATION	STD	OPT
Standard environmental construction	●	
Key switch start	●	
81.5" Grid style overhead guard	●	
3-Function hydraulic valve	●	
Full integrated CANbus communication	●	
Cooler / freezer package: operating temperature 0F to +120F		●
SubZero freezer package: operating temperature -40F to +120F		●
4-Function hydraulic control valve		●
77.9" Flat plate overhead guard		●
81.5" Drive-in rack grid style overhead guard		●
Keyless start (with auxiliary key switch)		●
Basic and premium LED brake / tail / back-up 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		●
Operator password start interlock		●
Operator daily checklist		●
System monitor - hydraulic low fluid level indicator and hydraulic filter service indicator		●
Programmable maintenance reminder		●
Synchronous steering		●
Red, high-visibility, non-cinch seat belt with or without start interlock		●
Yale Vision		●
Yale Reliant™		●
SUPPLEMENTAL	STD	OPT
84 Month / 12,000 hour lithium-ion battery warranty	●	
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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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.